

HASHMATRAI & GANGARAM HIMATHMAL MANSUKHANI INSTITUTE OF MANAGEMENT



Ref.No: H&GHM/2022-23/143 6.

Date: 12 /08/2022

To, Ms. Juhi Ganwani

Sub: Invitation for a guest lecture on the topic Scope of IT under our program "Invictus"

Dear Madam,

We are pleased to invite you to deliver a session on "Scope of IT" under our program "Invictus" on August 20, 2022 from 02.00 p.m. to 03.00 p.m.

We are sure that your knowledge and experience will help our students to develop Creativity, Confidence and Leadership.

Warm Regards,

Dr. Swati Sabale

Director

C.C. To:

1. Dr. Diya Udasi.

2. Accounts Department

3. Administrative Department



Tel.: 0251-2571867 • Fax: 0251-256 2662 • E-mail: hsncb.mgmt@gmail.com • Website: www.hghmim.edu.in



HASHMATRAI & GANGARAM HIMATHMAL MANSUKHANI INSTITUTE OF MANAGEMENT



Ref. No. H& GHM/2022-23/189C

Date: - 29.09.2022

To,

Ms Juhi Janjua

Assistant Professor

Thadomal Shahani Engineering College

Subject: - Invitation for Guest Session Under All India Council for
Technical Education

Dear Sir/Madam

We are pleased to invite you to conduct a session an interactive session on 'See Yourself in Cyber" under All India Council for Technical Education on 1st October 2022 from 11:00 a.m. to 12:00 p.m.

Warm Regards

Dr. Swati Sabale

Director

C.C. To:

- 1. Mrs. Priya Mulchandani
- 2. Accounts Department
- 3. Administration Department





Panel details for Preliminary Evaluation Round

Panel 1: Web Application Development – Problem Statement 1

Evaluator Names: Dr. Jayant Gadge and Prof. Sanjay Kumar Pandey

Team Number	Team Name	Team Leader
7	Hash It Out	Ishika Khokhani
8	Load Code Mode	Dhawal Choudhary
10	LitCode	Vaibhavi Pore
12	Ideal Bit	Siddhant Rao
14	Hacky Paky	Yash Dalvi
21	AI PANTHERS	Vishesh Gatha
22	Keyboard Interrupt	Aneesh Shamraj

Panel 2: Web Application Development – Problem Statement 1

Evaluator Names: Dr. Tanuja Sarode and Prof. Sampada Pinge

Team Number	Team Name	Team Leader
24	ElCaTeam	Atharva kadam
27	Big Byte League	Krish Shah
28	4 more light	Parth Shah
32	Skillissue	Vedant Jumle
33	Dijkstra	Rohit dagaluram nehara
37	Debug Thugs	Manav Gandhi
38	Software giants	Diven Sirwani

Panel 3: Web Application Development – Problem Statement 3

Evaluator Names: Dr. Archana Athawale and Dr. Seema Kolkur

Team Number	Team Name	Team Leader
6	200_ok	Jaden Furtado
9	armageddon	Kaushal Joshi
18	Terrible dev5elopers	Kundan Baniya
19	Binary Beasts	Priyansh Salian
30	MinGWx86	Suraj Chavan
39	Ice	Parth Cheulkar
40	Dartaholics	Rukshar Khan
		Bandra (W), Mumbal - 400 030.

Panel details for Preliminary Evaluation Round

Panel 4: Web Application Development – Problem Statement 4

Evaluator Names: Dr. Tasneem Mirza and Dr. Bhushan Jadhav

Team Number	Team Name	Team Leader
11	Bootstrap Bandits	Radha Tumbre
13	Nexus	Krish Manghani
16	GitCtrl	Pavan Metkari
17	Decoders	Chris Gracias
20	Geeks Speaks Hertz	Harsh Shukla
23	CodewithCoffee	Aditya Surve
26	Nothing	Fahad Charolia

Panel 5: Web Application Development – Problem Statement 2 and 4

Evaluator Names: Prof. Sakshi Surve and Prof. Kumkum Saxena

Team Number	Team Name	Team Leader
15	Coding Monkeys	Kaushal Patil
25	Consoleio	Mann Bhanushali
36	VAKR	Kuldeep Rathor
29	Sahil Samel	Bde
31	Brainstormers	Parth Puranik
34	brogrammers	Yash Dave
35	VADAPAV	Pranit Patil

Panel 6: Social Cause Application Development – Problem Statement 1

Evaluator Names: Dr. Anil Changani and Prof. Archana Kale

Team Number	Team Name	Team Leader
43	Cool As Code	Candida Noronha
45	Syntactical	Neil Shukla
46	Brainstorm	Murtaza Udaipurwala
49	Run Time Terror	Rudra Trivedi
50	Syntax Enemies	Athary Salian
51	Clash of Code	Sarah Khan
52	Hooli XYZ	Anas Khanng college
54	are we there yet?	Ria Chandiramani

Panel details for Preliminary Evaluation Round

Panel 7: Social Cause Application Development – Problem Statement 1 and 2

Evaluator Names: Dr. Shanti Therese and Prof. Himani Deshpande

Team Number	Team Name	Team Leader
55	Techies	Meet Shah
56	Internet Explorers	Sanyog Jain
41	Devshaks	Jayesh Potlabattini
42	codesome	Krishna Khadke
44	Challengers	Jay Aslaliya
47	team kppp	Krishana dave
48	punk hazard	Khushi Ruparel
53	Terrifying Terabytes	Sumanta Jena

Panel 8: Blockchain Development – All Problem Statement

Evaluator Names: Dr. Gopal Pardesi and Prof. Chetan Agarwal

Team Number	Team Name	Team Leader
1	Dragon	Krishit Shah
2	Elite Coders	Yash Joshi
3	The bug stops here	Mokshit surana
4	Localhost	Mukul Kolpe
5	Hackoholics	Vedant Kadam





VIDYAVARDHINI'S COLLEGE OF ENGINEERING & TECHNOLOGY

Founder President Late Padmashri H. G. Vartak

(Approved by AICTE and Affiliated to the University of Mumbai) Four Branches Permanently Affiliated by University of Mumbai

K. T. Marg, Vasai Road (W), Dist. Palghar - 401202, Maharashtra.
Tel.: 0250 - 2338234 (6 Lines) • Fax : 0250 - 2339486 • Email : vcet inbox@vcet.edu.in • Website : www.vcet.edu.in

Date: - July 8, 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Dr. Tanuja Sarode has attended her duties as a Subject Expert at an interview conducted in online mode at Vidyavardhini's College of Engineering and Technology, Vasai Road on 1st July, 2022 at 11.00 a.m

Dr. Harish Vankudre PRINCIPAL, VCET





Tanuja Sarode <tanuja.sarode@gmail.com>

Invitation for TAC Meeting Scheduled on Monday 04th July, 2022

Sharvari Naik (MPSTME) <Sharvari.Naik@nmims.edu>

Tue, Jun 28, 2022 at 4:01 PM

To: "tanuja.sarode@gmail.com" <tanuja.sarode@gmail.com>, "archana.patankar@thadomal.org"

<archana.patankar@thadomal.org>, Prachi Natu <Prachi.Natu@nmims.edu>

Cc: "Alka Mahajan (Dr.)" <alka.mahajan@nmims.edu>, "Archana Bhise (Dr.)" <Archana.Bhise@nmims.edu>, manjusha joshi <mjmanjusha12@gmail.com>

Dear Sir/Madam,

A meeting of Thesis Advisory Committee (TAC) for following Ph.D. Scholars is scheduled on Monday 04th July ,2022 as per below mentioned schedule through Online Platform.

Name of Research Scholar	Area	Timing of TAC Meeting
Ms Vidya Sagvekar	EXTC	1.30 pm
Mr Atul Patil	EXTC	2.00 pm

You have been invited as a Thesis Advisory Committee Member for the meeting.

You are requested to please confirm your presence through an online platform to attend the TAC meeting.

The link for the TAC meeting is as follows.

https://teams.microsoft.com/l/meetup-join/19%3ameeting NjA5NjQxYzMtZmI0MS00ZWM5LTg5N2 YtMTY00TI5YmJiMWY5%40thread.v2/0?context=%7b%22Tid%22%3a%22d1f14348-f1b5-4a09-ac99-7ebf213cbc81%22%2c%22Oid%22%3a%22e16ebd9d-cd43-4f59-97dd-f2ae1448f31e%22%7d

Thanking you,

Yours Truly,



Sd/-

Dr. Alka Mahajan

Dean, MPSTME

Panel details for Preliminary Evaluation Round

Panel 1: Web Application Development – Problem Statement 1

Evaluator Names: Dr. Jayant Gadge and Prof. Sanjay Kumar Pandey

Team Number	Team Name	Team Leader
7	Hash It Out	Ishika Khokhani
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21	AI PANTHERS	Vishesh Gatha
22	Keyboard Interrupt	Aneesh Shamraj

Panel 2: Web Application Development – Problem Statement 1

Evaluator Names: Dr. Tanuja Sarode and Prof. Sampada Pinge

Team Number	Team Name	Team Leader
24	ElCaTeam	Atharva kadam
27	Big Byte League	Krish Shah
28	4 more light	Parth Shah
32	Skillissue	Vedant Jumle
33	Dijkstra	Rohit dagaluram nehara
37	Debug Thugs	Manav Gandhi
38	Software giants	Diven Sirwani

Panel 3: Web Application Development – Problem Statement 3

Evaluator Names: Dr. Archana Athawale and Dr. Seema Kolkur

Team Number	Team Name	Team Leader
6	200_ok	Jaden Furtado
9	armageddon	Kaushal Joshi
18	Terrible dev5elopers	Kundan Baniya
19	Binary Beasts	Priyansh Salian
30	MinGWx86	Suraj Chavan
39	Ice	Parth Cheulkar
40	Dartaholics	Rukshar Khan

Panel details for Preliminary Evaluation Round

Panel 4: Web Application Development – Problem Statement 4

Evaluator Names: Dr. Tasneem Mirza and Dr. Bhushan Jadhav

Team Number	Team Name	Team Leader
11	Bootstrap Bandits	Radha Tumbre
13	Nexus	Krish Manghani
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20	Geeks Speaks Hertz	Harsh Shukla
23	CodewithCoffee	Aditya Surve
26	Nothing	Fahad Charolia

Panel 5: Web Application Development – Problem Statement 2 and 4

Evaluator Names: Prof. Sakshi Surve and Prof. Kumkum Saxena

		. 114
Team Number	Team Name	Team Leader
15	Coding Monkeys	Kaushaha Patti Ingineering College
25	Consoleio	Mann Bhanushali
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29	Sahil Samel	Bde
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Panel 6: Social Cause Application Development – Problem Statement 1

Evaluator Names: Dr. Anil Changani and Prof. Archana Kale

Team Number	Team Name	Team Leader
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54	are we there yet?	Ria Chandiramani

Panel details for Preliminary Evaluation Round

Panel 7: Social Cause Application Development – Problem Statement 1 and 2

Evaluator Names: Dr. Shanti Therese and Prof. Himani Deshpande

Team Number	Team Name	Team Leader
55	Techies	Meet Shah
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Panel 8: Blockchain Development – All Problem Statement

Evaluator Names: Dr. Gopal Pardesi and Prof. Chetan Agarwal

Team Number	Team Name	Team Leader
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Archana Patankar <archana.patankar@thadomal.org>

Invitation for TAC Meeting Scheduled on Monday 04th July, 2022

1 message

Sharvari Naik (MPSTME) <Sharvari.Naik@nmims.edu>

Tue, Jun 28, 2022 at 4:01 PM

To: "tanuja.sarode@gmail.com" <tanuja.sarode@gmail.com>, "archana.patankar@thadomal.org"

<archana.patankar@thadomal.org>, Prachi Natu <Prachi.Natu@nmims.edu>

Cc: "Alka Mahajan (Dr.)" <alka.mahajan@nmims.edu>, "Archana Bhise (Dr.)" <Archana.Bhise@nmims.edu>, manjusha joshi <mjmanjusha12@gmail.com>

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Thanking you,

Yours Truly,



Sd/-

Dr. Alka Mahajan

Dean, MPSTME





UNESCO Chair on Secure High-performance Computing for Higher Education and Research

3rd International Conference Data Science & Big Data Analytics (IDBA-ACMWIR 2023) 16-17 June 2023

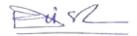
CERTIFICATE OF APPRECIATION

This certificate is awarded to

Dr. Archana Patankar

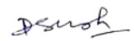
(Professor, Thadomal Shahani Engineering College, Mumbai, Maharashtra, India)

For imparting his/her valuable insights and inspiration in 3rd International Conference on Data Science & Big Data Analytics (IDBA-ACMWIR 2023) as **Advisory Committee Member** held on 16th - 17th June.



Dr Durgesh Mishra

Director, Sri Aurobindo Institute of Technology, Indore, India Conference General Chair, IDBA-ACMWIR 2023



Dr Dharam Singh Jat

Professor, Namibia University of Science and Technology and UNESCO Chairholder Editor, IDBA-ACMWIR 2023



Dr Nilanjan Dey

Associate Professor, Techno International, New Town, Kolkata Series Editor, Springer















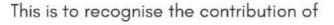






SHRI DHARMASTHALA MANJUNATHESHWARA COLLEGE OF ENGINEERING AND TECHNOLOGY, DHARWAD

Certificate of Appreciation



Dr. Archana B. Patankar

Thhadomal Shahani Engineering College

as **REVIEWER** for **IEEE International Conference on Applied Intelligence and Sustainable Computing (ICAISC - 2023)** organized by Shri Dharmasthala Manjunatheshwara College of Engineering and Technology, Dharwad, 16th - 17th June 2023.



Organizing Co-Chair, ICAISC - 2023 Public Relation Officer (PRO) SDMCET, Dharwad Dr. SATISH BHAIRANNAWAR

Organizing Chair, ICAISC - 2023 Dean (III) & IEEE STB Counsellor SDMCET, Dharwad Dr. K. GOPINATH

Principal, SDMCET, Dharwad





St. Francis Institute of Technology

4th International Conference on Communication Systems, Computing and IT Applications (CSCITA-23)

IEEE Conference #55725

Certificate of Appreciation

This is to certify that, **Dr. Archana Patankar(Athawale)** from the **Thadomal Shahani Engineering College** has been a reviewer at the 4th International

Conference on Communication Systems, Computing and IT Applications

(CSCITA-23) organized on March 31st - April 1st 2023 by the St. Francis Institute of Technology (SFIT), Mumbai and technically co-sponsored by IEEE Bombay

Section.

Dr. Prachi Raut

Conference Chair, CSCITA23

Dr. Sincy George

Principal, SFIT

Bro. Shantilal Kujur

Director, SFIT











Panel details for Preliminary Evaluation Round

Panel 1: Web Application Development – Problem Statement 1

Evaluator Names: Dr. Jayant Gadge and Prof. Sanjay Kumar Pandey

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37	Debug Thugs	Manav Gandhi
38	Software giants	Diven Sirwani

Panel 3: Web Application Development – Problem Statement 3

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39	Ice	Parth Cheulkar
40	Dartaholics	Rukshar Khan



Panel details for Preliminary Evaluation Round

Panel 4: Web Application Development – Problem Statement 4

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23	CodewithCoffee	Aditya Surve
26	Nothing	Fahad Charolia

Panel 5: Web Application Development – Problem Statement 2 and 4

Evaluator Names: Prof. Sakshi Surve and Prof. Kumkum Saxena

Team Number	Team Name	Team Leader
15	Coding Monkeys	Kaushal Patil
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36	VAKR	Kuldeep Rathor
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35	VADAPAV	Pranit Patil

Panel 6: Social Cause Application Development – Problem Statement 1

Evaluator Names: Dr. Anil Changani and Prof. Archana Kale

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Panel details for Preliminary Evaluation Round

Panel 7: Social Cause Application Development – Problem Statement 1 and 2

Evaluator Names: Dr. Shanti Therese and Prof. Himani Deshpande

Team Number	Team Name	Team Leader	
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Panel 8: Blockchain Development – All Problem Statement

Evaluator Names: Dr. Gopal Pardesi and Prof. Chetan Agarwal

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ST. FRANCIS INSTITUTE OF TECHNOLOGY

(ENGINEERING COLLEGE)

(Roman Catholic Christian Minority Educational Institute)
(Approved by AICTE & Govt. of Maharashtra with permanent Affiliation to University of Mumbai)

P. B. No. 8456, Mt. Poinsur, S.V.P. Road, Borivli (West), Mumbai - 400 103.
Tel.: 28908585 / 28928585 Fax: 28954787 E-mail: sfedu@sfit.ac.in Website: www.sfit.ac.in

Ref:

Date:

SFIT/OFFICE/2021-2022

25.04.2022

To,

Dr. Shachi Natu

Thadomal Shahani College of Engineering,

Mumbai

Date: 26/02/2022

Subject: Appreciation for session on 26th and 27th February 2022 at St. Francis Institute of

Technology Mumbai.

Dear Sir/Madam,

On behalf of Information Technology department at St. Francis Institute of Technology Mumbai, we wish to record our sincere thanks for delivering an excellent and very informative session on the topic "Animation using Python" on 26th and 27th February 2022 for our Second Year IT Engineering students.

We were extremely fortunate to have you as a resource person and thank you once again for providing valuable inputs to our participants during your session. We look forward to a long, fruitful association with you and wish you the very best in all your future endeavors.

Sur

Dr. Joanne Gomes Prof and Head Dept. of Information Technology SFIT Mumbai





Two programs at UG level are NBA Accredited (ISO - 9001:2015 CERTIFIED)

----- Forwarded message ------

From: NEELAM PHADNIS <neelam.phadnis@slrtce.in>

Date: Thu, Jul 7, 2022 at 10:05 PM

Subject: Invitation to be part of Interview Panel

To: <madhuri.rao@thadomal.org>

Greetings of the day..!!

Dear Madam,

I am pleased to invite you for the Adhoc faculty appointment interview scheduled on 8th July 2022 at 10.30 a.m, as Subject Expert for CS and IT department. Thank you for your time and please consider being a part of the interview panel.

Thanking you, Yours sincerely Mrs.Neelam Phadnis.

Mrs. Neelam Phadnis

ME(Computer)

Head and Assistant Professor, Department of Computer Engineering



Fwd: Invitation as a Reviewer for 5th IEEE-International Conference on "Advances in Science & Technology (IEEE-ICAST - 2022)" at KJSIEIT, Sion, Mumbai

On 15-Jul-2022, at 3:28 PM, ICAST KJSIEIT icast.kjsieit@somaiya.edu wrote:

Dear Sir/Madam,

K. J. Somaiya Institute of Engineering and Information Technology (KJSIEIT) is an Autonomous reputed engineering institute approved by AICTE, DTE, and permanently affiliated with the University of Mumbai. It was established by the Somaiya Trust in the year 2001, at the Sion campus in the heart of Mumbai city, Maharashtra, India. The institute provides quality engineering education in the modern fields of technology disciplines at UG viz. Computer Engineering, Information Technology, **Electronics** Engineering, **Electronics** Telecommunication Engineering, and Artificial Intelligence & Data Science and PG in Artificial Intelligence. The institute aims to provide the necessary dynamism in the light of expanding knowledge and changing the socio-economic requirements of modern society.

KJSIEIT is an Autonomous institute further accredited till December 2026 with 'A' Grade by the National Assessment & Accreditation Council (NAAC) of India with a CGPA of 3.21 and three programs of the institute are accredited by the National Board of Accreditation, India (NBA) till June 2025. Institute's NIRF 2020 rank band was 251-300, ARIIA 2021 Performer rank band, ARIIA 2020 in Top 50 Private/Self-financed colleges, MICs-IIC in Top 10,40, 25 for 2021,2020,2019.

KJSIEIT is organizing "5th IEEE-International Conference on Advances in Science and Technology (5th IEEE-ICAST-2022))" in association with the University of Mumbai, India, and technically co-sponsored by IEEE Bombay Section, India, which will be held on December 2nd and 3rd, 2022 at KJSIEIT, Sion, Mumbai,



Maharashtra, India with paper publications at <u>IEEE Xplore</u> Digital Library. ICAST-2022 aims to bring together academicians, researchers, developers, engineers, Ph.D./ PG Scholars, UG students, industry experts, and practitioners working in India and abroad promoting research and developmental activities & scientific information interchange in the field of Science, Technology & Engineering.

Accepted papers will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements.

We will be honored if you would accept our invitation as a Reviewer of ICAST-2022

Kindly review the papers received through icast.kjsieit@somaiya.edu and enlighten the conference with your eminent presence and guidance.

Warm Regards

--

Dr. Suresh K. Ukarande B. E., M. Tech., Ph. D. (IIT, Bombay)

Principal,

K. J. Somaiya Institute of Engineering & Information Technology Somaiya Ayurvihar Complex, Eastern Express Highway, Sion (East), Mumbai - 400022.

Tel.: 022-24061300, Fax : 022-24028804 Mobile : 9820555761, 9619918518

Associate Dean, Faculty of Science and Technology. National Executive Council Member, ISTE, New Delhi.

Former Dean (I/c), Faculty of Science and Technology.
Former Dean, Faculty of Technology
Member, Management Council, Senate, Academic Council.
Chairman, BOS in Civil Engineering, University of
Mumbai, Mumbai.



University of Mumbai

Dr Suresh K. UkarandeAssociate Dean
Faculty of Science & Technology
University of Mumbai



Tel No (O) : 02148-320524

(M) : 9820555761

Date:1/7/2022

Email: ukarande@yahoo.com :deanfotuom@gmail.com

"University with Potential for Excellence"

Ref.No. UoM/2019-2020/50

Letter of Appreciation

I hereby extend my sincere thanks to <u>Dr. Madhuri Rao as a Subject Chairman</u>, in <u>Information Technology</u> for contribution to the revision of syllabus with <u>Rev-2019</u> 'C' <u>Scheme from Academic Year 2019-20</u> for Engineering Program (UG) in <u>Information Technology</u> for <u>Final Year with effect from Academic Year 2022 -23</u> onwards.

I recognize and appreciate contribution for the following subject in **Information Technology Programme.**

Sr. No. Name of Subject 1 Big Data Analytics

Semester VIII

Drs.

Dr. Deven Shah Ad-hoc BOS IT Chairman University of Mumbai Dr. Suresh K. Ukarande Associate Dean Faculty of Science & Technology University of Mumbai



UNIVERSITY OF MUMBAI

URGENT/BY REGISTERED POST

Tel:: 022-22675232/22708742

Email: ar.affiliation2@fort.mu.ac.in



COLLEGE ID: ETH28539 College Affiliations & Development Department

No.: Aff./ICE/22-23/669

Date: 01-07-2022

To,

1) Dr. SANGEETA MILIND JOSHI - Convener

Vidyalankar Institute of Technology, Vidyalankar Campus, Vidyalankar College Marg, Wadala(East) Dist. Mumbai

: 9405204023

[: sangeeta.joshi@vit.edu.in

2) Dr. MADHURI YOMESH RAO - Member

Thadomal Sahani College of Engineering, Advocate Nari gursahani Marg, 37th Road, (off Linking Road), TPS III Bandra West, Mumbai - 400050. Dist.Mumbai Sub-Urban

= : 9820920333

🏏: my rao@yahoo.com

3) Dr. SANDHYA SANDEEP SAVE - Member

Thakur College of Engineering & Technology, A-Block, Thakur Educational Campus, Shyamnarayan Thakur Marg, Thakur Village, Kandivali (East), Mumbai? 400 101 Dist. Mumbai Sub-Urban

: 9820725686

🎽: save sandhya@rediffmail.com

Sub : Continuation of affiliation for the academic year 2020-21,

2021-22 & 2022-23; with previous years, if any

Ref : Provisions of Section 114 of the Maharashtra

Universities Act, 2016

Name of the College : DATTA MEGHE ENGINEERING COLLEGE, AIROLI

DATTA MEGHE COLLEGE OF ENGINEERING, CIDCO, PLOT

NO 98, AIROLI, Airoli Dist. Thane

🍙: 022 27797130 🕍 : 9819768930 🙋: principaldmce@yahoo.com

Course Details

- (1) M.E. (Computer Engineering)
- (2) M.E. (Electronics & Telecommunication Engineering)
- (3) M.E. Civil Engineering (Structure)
- (4) M.E. Mechanical Engineering (CAD/CAM)
- (5) B.E. (Civil and Infrastructure Engineering)
- (6) B.E. (Information Technology)
- (7) B.E. (Mechanical Engineering)
- (8) B.E. Artificial Intelligence and data Science
- (9) B.E. Civil Engineering (Second Shift)





I am directed to inform you that the University has appointed you as a member of the Committee to make local inquiry and to report thereof on the application for continuation of affiliation of the above mentioned college for the academic year 2020-21, 2021-22 & 2022-23 with previous years, if any.

I am, therefore, to request you to kindly form yourselves into a Local Inquiry Committee and to visit the said college, to strictly verify the infrastructure with requisite documentary evidence and **submit your report within 15 days**. Kindly, treat this as mandatory duty as per University rules.

You are requested to verify the compliance made by the college as per the recommendations in earlier LIC committee report. You will also note the compliance of the conditions laid down by A.I.C.T.E./ N.C.T.E./ C.O.A./ B.C.I./ P.C.I., Higher & Technical Education Department.

If you are connected with any committees or bodies of Management of the college, you are requested to inform this office immediately. I am enclosing herewith all the relevant documents for your kind perusal.

Thanking You.

Yours faithfully,

(Deepak Wasave)
DEPUTY REGISTRAR
College Affiliations &
Development Department

Encl: as above

[Kindly contact Ambaji Travels for transport assistance, if required: 9821316821 / 8097359474]

Copy forwarded for information to:

The Principal, DATTA MEGHE ENGINEERING COLLEGE, AIROLI, DATTA MEGHE COLLEGE OF ENGINEERING, CIDCO, PLOT NO 98, AIROLI, Airoli Dist: Thane. He is requested to make the necessary arrangement for the visit of the Committee and also provide all the necessary documents including copies of permission issued by the competent authorities, Higher & Technical Education Department and University to the Convener of the Committee and also forward one copy to the College Affiliations & Development Department, University of Mumbai, Fort, Mumbai – 400 032, positively, failing which the concerned Society/Trust/Sanstha will liable responsible for the same.

(Deepak Wasave)
DEPUTY REGISTRAR
College Affiliations &
Development Department

Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahari Engineering College
Bandra (W), Mumbal - 400 50.

The Finance & Accounts Officer, Fort, Mumbai- 400 032.

ऑनलाईन प्रणालीद्वारे शैक्षणिक वर्ष २०२२-२३ साठी पदवी / पदव्युत्तर अभ्यासक्रमास संलग्निकरणाचे नूतनीकरण करण्यासाठी संलग्नीकरण अहवाल सादर करण्याची पद्धत

- 1. अध्यक्षांनी भेट दिलेल्या महाविद्यालयाच्या Login ID (प्राचार्यांना त्यांच्या महाविद्यालयाचा Login ID/Password नमूद करून) शैक्षणिक वर्ष २०२२-२३ (AY 2022-23) -> निरंतर संलग्नीकरण २०२२-२३ (Continuation of Affiliation 2022-23) विभागामध्ये प्रवेश करून Prepare LIC Report या लिंक वर क्लिक केल्यानंतर स्वतःचा पासवर्ड (अध्यक्षांचा) नमूद (Submit) करावा.
- 2. पासवर्ड ची पडताळणी यशस्वी झाल्यानंतर ऑनलाईन पद्धतीद्वारे संलिग्निकरणाच्या नूतनीकरणाचा अहवाल भरण्याची प्रक्रिया पूर्ण करावी व ऑनलाईन पद्धतीने हा अहवाल विद्यापीठाला सादर करावा.
- 3. त्यानंतर View/Print LIC Report ची सुविधा उपलब्ध होईल.
- 4. तदनंतर ऑनलाईन पद्धतीने विद्यापीठाला सादर केलेल्या अहवालाचे प्रिंट आऊट घेऊन त्यावर अध्यक्षांनी व सदस्यांनी भेट दिलेल्या महाविद्यालयाच्या प्राचार्यांसमोर प्रत्येक प्रपत्रावर स्वाक्षऱ्या कराव्यात.
- 5. तदनंतर स्वाक्षांकीत अहवालाची प्रत स्कॅन करावी व त्याची PDF फाईल तयार करून ती अपलोड करावी.
- 6. तसेच भेट दिलेल्या महाविद्यालयाच्या प्राचार्य, संलग्नीकरण समितीचे अध्यक्ष व सदस्य इत्यादी मान्यवरांचा एकत्रीतपणे काढलेल्या छायाचित्राची प्रत स्कॅन करून अपलोड करावी.
- 7. अध्यक्ष/सदस्यांच्या पूर्व माहितीकरिता रिकामा अहवाल (Blank Format) "View/Print LIC Report Format" या लिंक मध्ये उपलब्ध आहे. त्याचे प्रिंट आऊट अध्यक्ष/सदस्य काढू शकतात व ऑनलाईन पद्धतीने अहवाल भरतांना उपयोग करू शकतात.



University of Mumbai



No.Exam./Engg/ 1539 of 2022, Mumbai – 400 098.

SEL 77 2022.

1]	Dr. Satish Ket (RGIT) (Convener)	10]	Dr. Jyoti More (LTCE)
2]	Dr. Tanuja Sarode (TSEC)	11]	Dr. Arti Deshpande (TSEC)
3]	Dr. Kranti Ghag (SAKEC)	12]	Prof. Deepti Reddy (SIESGST)
4]	Dr. Lakshmisudha (SIESGST)	13]	Dr. Ashok Kanthe (MGMCET)
5]	Dr. Rekha Ramesh (SAKECE)	14]	Dr. Anup Kunte (KGCE)
6]	Dr. Madhuri Rao (TSEC)	15]	Dr. S. M. Patil (BVCE)
7]	Dr. Vijay Katkar (SFIT)	16]	Dr. Vinayak Shinde (SLRTCE)
8]	Dr. Anjali Yeole (VESIT)	17]	Dr. Prachi Raut (SFIT)
9]	Dr. Sujata Deshmukh (FCRCE)		

Mesdames/Gentlemen,

This is to inform you, that the Hon'ble Vice-Chancellor has appointed your Moderation Committee to scrutinize the results of engineering examinations in Computer Engineering, Computer Science and Engg. (Internet of Thing & Cyber Security including Blockchain) and Artificial Intelligence & Data Science branches, at the Semester III to VI (Rev.2012, Rev. 2016 & Rev.2019) held by the colleges on behalf of the University in the First Half 2022.

The Convener of the respective committee will co-ordinate with all committee members for moderation of the result & sent the report to the University of Mumbai, so as to get the moderation work done quickly to declare the result within stipulated time as per Maharashtra Public Universities Act, 2016.

Offg. Deputy Registrar

(Results Unit)





HASHMATRAI & GANGARAM HIMATHMAL MANSUKHANI INSTITUTE OF MANAGEMENT



Ref.No: H&GHM/2022-23/381(a)

Date:20.01.2023

To, Mrs. Juhi Januja

Sub: Invitation for Guest Lecture.

Dear Madam,

We are delighted to invite you to deliver a guest lecturer at our Institute on 28.01.2023 from 12.00 p.m. to 2.00 p.m. We would like you to speak on the topic "Data Privacy" For Data Protection Day You shall conduct desired sessions and shall be paid an amount of Rs.2000/-per session.

We are sure that your knowledge and experience will help our students to develop Creativity, Confidence and Leadership.

We look forward to benefit from your presence in our quest for excellence.

Warm Regards,

Dr. Swati Sabale

Director

C.C. To:

1. Mrs. Priya Mulchandani

2. Accounts Department

3. Administration Department

Dt. G. T. Thampi PRINTIPAL Thadomal Shahani Engineering College Bandra (W), Mumbai - 400 030.

SOUTH STATE OF THE STATE OF THE



HASHMATRAI & GANGARAM HIMATHMAL MANSUKHANI INSTITUTE OF MANAGEMENT



Ref.No: H&GHM/2023-2024/ 16

Date: 11.05.2023

To, Mrs. Juhi Janjua

Sub: Invitation for Guest Lecture.

Respected Madam,

We are delighted to invite you to conduct a Guest lecture at our Institute on 12.05.2023. We would like you to speak on the topic "National Technology Day". You shall conduct desired sessions and shall be paid an amount of Rs.1000/-.per hour.

We are sure that your knowledge and experience will help our students to develop Creativity, Confidence and Leadership.

We look forward to benefit from your presence in our quest for excellence.

Warm Regards,

Dr. Swati Sabale

Director

C.C. To:

1. Mrs. Priya Mulchandani

2. Accounts Department

3. Administration Department

C.H.M. Campus, Opp. Railway Station, Smt.Chandibai Himathmal Mansukhani Road, Ulhasnagar (West) - 421003, Dist.Thane (Maharashtra)

Tel.: 0251-2571867 • Fax: 0251-256 2662 • E-mail: hsncb.mgmt@gmail.com • Website: www.hghmim.edu.in



Computer Society of India

Mumbai Chapter – TSEC Student Branch



Thadomal Shahani Engineering College | Bandra (W) | Mumbai – 400050

Date: February 07, 2023

To, Kumkum Saxena

Subject: Letter of appreciation for the Internal Judging Round of RUBIX 2023.

Respected Madam,

We are thankful for your gracious presence at RUBIX'23 organized by CSI-TSEC from 18th January to 21st January, 2023. We sincerely appreciate your time and effort for judging 'Rubix Hackathon' which took place on 20th January, 2023 and making our event a success.

The participants and the team members had outstanding judging round and weappreciate all the assistance provided by you! Hoping to inculcate learnings from these three days event to our future events and endeavors.

Again, thanks for your generous support and we hope to have you with us at CSI-TSEC again for competitions in the future!

Regards, CSI-TSEC.

Dr. Archana Patankar CSI-Counsellor





INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS

TSEC STUDENT CHAPTER



16th October, 2022

Letter Of Appreciation

Respected Kumkum Saxena,

The student chapter of the Institution of Electronics and Telecommunication Engineers at Thadomal Shahani Engineering College (IETE-TSEC) provides research and leadership opportunities in Scientific and Technical areas of direct importance. The Government of India has recognized IETE as a Scientific and Industrial Research Organization (SIRO) and also notified as an Educational Institution of national eminence.

The letter has been issued in appreciation of the contribution of Ms. Kumkum Saxena for judging and giving her valuable inputs in Pitch Perfect which was a start-up competition. The business acumen and the practical skills exhibited by Ms. Kumkum Saxena assisted the society in smooth execution of the event along with insightful analytics of the business and technical ideas which were proposed during the course of the competition.

IETE would like to express sincere gratitude to Ms.Kumkum Saxena for her time and willingness to share her insight and wisdom. Her tireless support and efforts are much appreciated. We hope that you will consider supporting IETE-TSEC in all of its future endeavours and competitions.

Regards,

Team IETE-TSEC

Dr. G.T. Thampi

Principal

TSEC

Dr. (Mrs.) Tanuja Sarode

Branch Counsellor

IETE-TSEC

Ms. Ananya Garg

Secretary

IETE-TSEC

Thadomal Shahani Engineering College

P.G. Kher Marg, T.P.S. III, Bandra (W), Mumbai - 400050





Panel details for Preliminary Evaluation Round

Panel 1: Web Application Development – Problem Statement 1

Evaluator Names: Dr. Jayant Gadge and Prof. Sanjay Kumar Pandey

Team Number	Team Name	Team Leader
7	Hash It Out	Ishika Khokhani
8	Load Code Mode	Dhawal Choudhary
10	LitCode	Vaibhavi Pore
12	Ideal Bit	Siddhant Rao
14	Hacky Paky	Yash Dalvi
21	AI PANTHERS	Vishesh Gatha
22	Keyboard Interrupt	Aneesh Shamraj

Panel 2: Web Application Development – Problem Statement 1

Evaluator Names: Dr. Tanuja Sarode and Prof. Sampada Pinge

Team Number	Team Name	Team Leader	
24	ElCaTeam	Atharva kadam	
27	Big Byte League	Krish Shah	
28	4 more light	Parth Shah	
32	Skillissue	Vedant Jumle	
33	Dijkstra	Rohit dagaluram nehara	
37	Debug Thugs	Manav Gandhi	
38	Software giants	Diven Sirwani	

Panel 3: Web Application Development – Problem Statement 3

Evaluator Names: Dr. Archana Athawale and Dr. Seema Kolkur

Team Number	Team Name	Team Leader	
6	200_ok	Jaden Furtado	
9	armageddon	Kaushal Joshi	
18	Terrible dev5elopers	Kundan Baniya	
19	Binary Beasts	Priyansh Salian	
30	MinGWx86	Suraj Chavan	
39	Ice	Parth Cheulkar	
40	Dartaholics	Rukshar Khan	



Panel details for Preliminary Evaluation Round

Panel 4: Web Application Development – Problem Statement 4

Evaluator Names: Dr. Tasneem Mirza and Dr. Bhushan Jadhav

Team Number	Team Name	Team Leader	
11	Bootstrap Bandits	Radha Tumbre	
13	Nexus	Krish Manghani	
16	GitCtrl	Pavan Metkari	
17	Decoders	Chris Gracias	
20	Geeks Speaks Hertz	Harsh Shukla	
23	CodewithCoffee	Aditya Surve	
26	Nothing	Fahad Charolia	

Panel 5: Web Application Development – Problem Statement 2 and 4

Evaluator Names: Prof. Sakshi Surve and Prof. Kumkum Saxena

Team Number	Team Name	Team Leader
15	Coding Monkeys	Kaushal Patil
25	Consoleio	Mann Bhanushali
36	VAKR	Kuldeep Rathor
29	Sahil Samel	Bde
31	Brainstormers	Parth Puranik
34	brogrammers	Yash Dave
35	VADAPAV	Pranit Patil

Panel 6: Social Cause Application Development – Problem Statement 1

Evaluator Names: Dr. Anil Changani and Prof. Archana Kale

Team Number	Team Name	Team Leader	
43	Cool As Code	Candida Noronha	
45	Syntactical	Neil Shukla	
46	Brainstorm	Murtaza Udaipurwala	
49	Run Time Terror	Rudra Trivedi	
50	Syntax Enemies	Atharv Salian	
51	Clash of Code	Sarah Khan	
52	Hooli XYZ	Anas Khan	
54	are we there yet?	Ria Chandiramani	



Panel details for Preliminary Evaluation Round

Panel 7: Social Cause Application Development – Problem Statement 1 and 2

Evaluator Names: Dr. Shanti Therese and Prof. Himani Deshpande

Team Number	Team Name	Team Leader	
55	Techies	Meet Shah	
56	Internet Explorers	Sanyog Jain	
41	Devshaks	Jayesh Potlabattini	
42	codesome	Krishna Khadke	
44	Challengers	Jay Aslaliya	
47	team kppp	Krishana dave	
48	punk hazard	Khushi Ruparel	
53	Terrifying Terabytes	Sumanta Jena	

Panel 8: Blockchain Development – All Problem Statement

Evaluator Names: Dr. Gopal Pardesi and Prof. Chetan Agarwal

Team Number	Team Name	Team Leader	
1	Dragon	Krishit Shah	
2	Elite Coders	Yash Joshi	
3	The bug stops here	Mokshit surana	
4	Localhost	Mukul Kolpe	
5	Hackoholics	Vedant Kadam	



University of Mumbai



No.Exam./Engg/2999 of 2022,

Mumbai - 400 098.

13 9 2022

1] 116	Dr. Satish Ket (RGIT) (Convener)	10]	Dr. Jyoti More (FCRIT)
2]	Dr. Tanuja Sarode (TSEC)	11]	Dr. Arti Deshpande (TSEC)
3]	Dr. Kranti Ghag (DJSCE)		Prof. Deepti Reddy (SIESGST)
4]	Dr. Lakshmisudha (SIESGST)	13]	Dr. Ashok Kanthe (MGMCET)
5]	Dr. Rekha Ramesh (SAKECE)	14]	Prof. Anup Kunte (KGCE)
6]	Dr. Madhuri Rao (TSEC)	15]	Dr. S. M. Patil (BVCE)
7]	Dr. Vijay Katkar (SFIT)	16]	Dr. Vinayak Shinde (SLRTCE)
8]	Dr. Anjali Yeole (VESIT)	17]	Dr. Prachi Raut (SFIT)
9]	Dr. Sujata Deshmukh (FCRCE)		

Mesdames/Gentlemen,

This is to inform you, that the Hon'ble Vice-Chancellor has appointed your Moderation Committee to scrutinize the results of engineering examinations in Computer Science and Engg., (Internet of Thing & Cyber Security including Blockchain) and Artificial Intelligence & Data Science branches, at the Semester III to VI (Rev.2012, Rev. 2016 & Rev.2019) held by the colleges on behalf of the University in the First Half 2022.

You are therefore, requested to form yourself into a Committee and kindly make it convenient to attend the Third Meeting scheduled to be held on Wednesday, 21st September, 2022 at 11.00 a.m. in Room No.36-A, Engineering Unit, First Floor, M. J. Phule Bhavan, University of Mumbai, Vidyanagari, Kalina, Santacruz (East), Mumbai – 400 098, and extend your co-operation in maintaining the schedule, so as to get the moderation work done quickly to declare the result within stipulated time as per Maharashtra Public Universities Act, 2016.

Soliciting your co-operation in the matter.

Yours faithfully,

(Offg. Superintendent) (Engg. Results Unit)

Note for Convener - Please send Three/Four members of your committee for Moderation as per your convenience.

Dr. G. T. Thampi PRINCIPAL Thadomal Shahari Engineering College andra (W), Mumba) - 400 050.



No.Exam./Engg./ 3000

13 September, 2022. of 2022, Mumbai - 98,

Copy forwarded for information and necessary action to:

- The Principal, Manjra Charitable Trust's Rajiv Gandhi Institute of Tech., Juhu Versova Link Road, Near H.D.F.C., Versova, Andheri (West), Mumbai - 400 053.
- The Principal, Thadomal Shahani Engineering College, P. G. Kher, Bandra (W), Mumbai – 400 050.
- The Principal, Shah & Anchor Kutchhi Engg. College, Shivaji Maharaj Chowk, Waman Tukaram Patil Marg, Next to Dukes Co. Chembur, Mumbai - 400 088.
- 4. The Principal, S.I.E.S. Graduate School of Tech., Sri Chandrasekarendra Saraswathy Vidyapuram, Plot No.1, C & E, Sector-5, Nerul, Navi Mumbai – 400 706.
- The Principal, St. Frances Inst. of Technology Borivali, Mumbai 400 101.
- The Principal, V.E.S. Institute of Technology, Hashu Advani Memorial Complex, Collector's Colony, Chembur, Mumbai – 400 074.
- 7. The Principal, Fr. Conceicao Rodrigues College of Engineering, Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai - 400 050.
- The Principal, Fr. C. Rodrigues Institute of Technology, Sector 9/A, Vashi Navi Mumbai - 400 703.
- The Principal, M. G. M. College of Engg. & Tech., Sector 18, Kamothe, Navi Mumbai - 410 209.
- 10. The Principal, Kokan Gyanpeeth's College of Engg., Vengaon, Dahivali, Karjat, Dist.: Raigad - 410 201.
- 11. The Principal, Bharati Vidyapeeth's College of Engineering, Sector-7, C.B.D., Belpada, Navi Mumbai - 400 614.
- 12. The Principal, Shree L. R. Tiwari College of Engg., Near Commissioner Bunglow, Kanakiya Park, Mira Road (E), Dist: Thane – 401 107.
- 13. P. A. to Director, Board of Examinations & Evaluation, University of Mumbai, Vidyanagari, Santacruz (E), Mumbai - 400 098.
 - 14. The Deputy Registrar, Finance & Accounts Section, University of Mumbai, Vidyanagari, Santacruz (E), Mumbai – 400 098.

(Offg. Superintendent)

(Engg. Results Unit)



TSEC CodeStrom CODEISSANCE-22

Panel details for Preliminary Evaluation Round

Panel 1: Web Application Development – Problem Statement 1

Evaluator Names: Dr. Jayant Gadge and Prof. Sanjay Kumar Pandey

Team Number	Team Name	Team Leader	
7	Hash It Out	Ishika Khokhani	
8	Load Code Mode	Dhawal Choudhary	
10	LitCode	Vaibhavi Pore Siddhant Rao	
12	Ideal Bit		
14	Hacky Paky	Yash Dalvi	
21	AI PANTHERS	Vishesh Gatha	
22	Keyboard Interrupt	Aneesh Shamraj	

Panel 2: Web Application Development – Problem Statement 1

Evaluator Names: Dr. Tanuja Sarode and Prof. Sampada Pinge

Team Number	Team Name	Team Leader		
24	ElCaTeam	Atharva kadam		
27	Big Byte League	Krish Shah		
28	4 more light	Parth Shah		
32	Skillissue	Vedant Jumle		
33	Dijkstra	Rohit dagaluram nehara		
37	Debug Thugs	Manav Gandhi		
38	Software giants	Diven Sirwani		

Panel 3: Web Application Development – Problem Statement 3

Evaluator Names: Dr. Archana Athawale and Dr. Seema Kolkur

Team Number	Team Name	Team Leader	
6	200_ok	Jaden Furtado	
9	armageddon	Kaushal Joshi	
18	Terrible dev5elopers	Kundan Baniya	
19	Binary Beasts	Priyansh Salian Suraj Chavan	
30	MinGWx86		
39	Ice	Parth Cheulkar	
40	Dartaholics	Rukshar Khan	



TSEC CodeStrom CODEISSANCE-22

Panel details for Preliminary Evaluation Round

Panel 4: Web Application Development – Problem Statement 4

Evaluator Names: Dr. Tasneem Mirza and Dr. Bhushan Jadhav

Team Number	Team Name	Team Leader		
11	Bootstrap Bandits	Radha Tumbre		
13	Nexus	Krish Manghani		
16	GitCtrl	Pavan Metkari		
17	Decoders	Chris Gracias		
20	Geeks Speaks Hertz	Harsh Shukla		
23	CodewithCoffee	Aditya Surve		
26	Nothing	Fahad Charolia		

Panel 5: Web Application Development – Problem Statement 2 and 4

Evaluator Names: Prof. Sakshi Surve and Prof. Kumkum Saxena

Team Number	Team Name	Team Leader	
15	Coding Monkeys	Kaushal Patil	
25	Consoleio	Mann Bhanushali	
36	VAKR	Kuldeep Rathor	
29	Sahil Samel	Bde	
31	Brainstormers	Parth Puranik	
34	brogrammers	Yash Dave	
35	VADAPAV	Pranit Patil	

Panel 6: Social Cause Application Development – Problem Statement 1

Evaluator Names: Dr. Anil Changani and Prof. Archana Kale

Team Number	Team Name	Team Leader		
43	Cool As Code	Candida Noronha		
45	Syntactical	Neil Shukla		
46	Brainstorm	Murtaza Udaipurwala		
49	Run Time Terror	Rudra Trivedi		
50	Syntax Enemies	Athary Salian		
51	Clash of Code	Sarah Khan		
52	Hooli XYZ	Anas Khan		
54	are we there yet?	Ria Chandiramani		



TSEC CodeStrom CODEISSANCE-22

Panel details for Preliminary Evaluation Round

Panel 7: Social Cause Application Development – Problem Statement 1 and 2

Evaluator Names: Dr. Shanti Therese and Prof. Himani Deshpande

Team Number	Team Name	Team Leader		
55	Techies	Meet Shah		
56	Internet Explorers	Sanyog Jain		
41	Devshaks	Jayesh Potlabattini		
42	codesome	Krishna Khadke		
44	Challengers	Jay Aslaliya		
47	team kppp	Krishana dave		
48	punk hazard	Khushi Ruparel		
53	Terrifying Terabytes	Sumanta Jena		

Panel 8: Blockchain Development – All Problem Statement

Evaluator Names: Dr. Gopal Pardesi and Prof. Chetan Agarwal

Team Number	Team Name	Team Leader		
1	Dragon	Krishit Shah		
2	Elite Coders	Yash Joshi		
3	The bug stops here	Mokshit surana		
4	Localhost	Mukul Kolpe		
5	Hackoholics	Vedant Kadam		





VIDYAVARDHINI'S COLLEGE OF ENGINEERING & TECHNOLOGY

Founder President Late Padmashri H. G. Vartak

(Approved by AICTE and Affiliated to the University of Mumbai) Four Branches Permanently Affiliated by University of Mumbai

K. T. Marg, Vasai Road (W), Dist. Palghar - 401202, Maharashtra.

Tel.: 0250 - 2338234 (6 Lines) • Fax : 0250 - 2339486 • Email : vcet_inbox@vcet.edu.in • Website : www.vcet.edu.in

Department of Information Technology

Date: 20th October 2022

To,

Dr. Arti Deshpande

Associate Professor & Dean Student Affairs

Department of Computer Engineering

TSEC, Bandra.

Subject: Letter of Appreciation

Dear Sir,

I am thankful to you for carrying out Academic Audit of Department of Information Technology for the Academic Year 2021-22 on Thursday 20th October 2022.

I appreciate the efforts taken by you in scrutinizing the academic documents and giving your valuable comments/suggestions regarding the same.

We hope for your association with us in future too. Thanking you in anticipation.

Prof. Thaksen Parvat

HOD – INFT, VCET, Vasai(w).







Baylon G. Fernandes NCETIS Coordinator & Professor, Department of Electrical Engineering

Date: 27.9.2022

To, The Principal Thadomal Shahani College of Engineering Bandra, Mumbai

Subject: Acknowledgement of efforts by Prof. Arati Deshpande CSE Department on 21st September, 2022

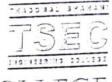
Dear Sir,

We really appreciate the efforts of Prof. Arati Deshpande CSE Department to take out time from her busy schedule and evaluate the Poster and Paper competition conducted by NCETIS and DSCI. The competition was a part of the Cyber Security R&D Roadshow held in IIT Bombay.

Her interaction with the students provided much needed opportunity to under stand dimensions of Cyber Security domain.

Thanks and Regards.

Prof. B.G. Fernandes





THADOMAL SHAHANI ENGINEERING COLLEGE

Date: 09-01-2023

LETTER OF APPRECIATION



To.

Ms. Vaishali Suryawanshi,

Assistant Professor,

Thadomal Shahani Engineering College

Dear Madam,

Thank you very much for accepting our request to deliver your sessions on "Regression and SVM in Machine Learning" scheduled on 09/01/2023 during our one week hands on workshop on "Advanced Machine Learning and IOT" held from January 9 to January 14, 2023 organized by the Department of Computer Engineering for the students of Thadomal Shahani Engineering College. Your in-depth coverage of the topic, presentation skill, time management and insightful interaction with delegates during the session were highly appreciated by the delegates and our faculty members.

We look forward to your valuable participation in our future programs also.

Thanking you,

Yours sincerely,

Dr. Tanuja Sarode

Head, Computer Engineering Dept.

Program Co-Convener







XAVIER INSTITUTE OF ENGINEERING

(Approved by AICTE, Govt. of Maharashtra, Affiliated to University of Mumbai and Accredited by NAAC)

Mahim Causeway, Mahim, Mumbai 400 016. • Phone : (022) 2446 0359 / 2445 4559 / 2445 1961

Mobile No. +91 7249371505 • Email ID : office@xavier.ac.in • Website : www.xavier.ac.in

Date: 19/12/2022

To,
Prof. Vaishali Suryawanshi,
Assistant Professor,
Computer Engineering Department,
Thadomal Shahani Engineering College,
Bandra, Mumbai.

Subject :

Invitation for conducting Orientation Session during ISTE approved STTP on

"Foundations of Applied Data Science & its Applications".

Respected Sir.

It's our great pleasure to inform you that the Department of Computer Engineering at Xavier Institute of Engineering, Mumbai in association with IET, Mumbai Local Network is organizing a Short Term Training Program on "Foundations of Applied Data Science & its Applications" scheduled from January 06-12, 2023.

It would be a great honor if you could accept our invitation as Speaker for conducting an Orientation Session as a part of the above mentioned STTP, which we believe will truly benefit the teaching fraternity.

Kindly acknowledge this invitation and please confirm your acceptance.

Thanks and Warm Regards,

Beatrice.S./Sushama Khanvilkar

(STTP Coordinators)

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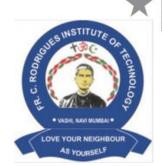
Dr. Vaishali Gaikwad

(STTP Convener)





CERTIFICATE OF APPRECIATION



FR. C. RODRIGUES INSTITUTE OF TECHNOLOGY

This is to certify that

Ms. Vaishali Suryawanshi

from

Thadomal Shahni Engg. College, Mumbai

has conducted the Online Faculty Orientation Program of "CSDC8011 Deep Learning" and "CSDL8021 Deep Learning Lab", Rev 2019 'C' Scheme of Semester VIII, Computer Engineering Department Level Optional Course -5 held on January 06, 2023, at FCRIT, Vashi on Behalf of the University of Mumbai.

*

Mr. Amroz Siddiqui Program Co-ordinator Meta

Dr. Ms. Lata Ragha Head, Department of Computer engineering



Dr. S. M. Khot Principal FCRIT, Vashi





MANJARA CHARITABLE TRUST
RAJIV GANDHI INSTITUTE OF TECHNOLOGY, MUMBAI



CERTIFICATE

OF RECOGNITION

IS AWARDED TO

PROF. MAHOJ KAVEDIA

IN GRATEFUL ACKNOWLEDGEMENT OF
HIS DISTINGUISHED AND INVALUABLE SERVICE RENDERED
AS GUEST OF HONOUR AND TRAINER OF 'MASTERCLASS ON IOT'

VIGHNESH SADHLE CHAIRPERSON IEEE RGIT PROF. NAZAHAT J. BALUR BRANCH CONVENER IEEE RGIT DR. POONAM SONAR BRANCH CONVENER IEEE RGIT

Sonde

DR. S. D. DESHMUKH BRANCH COUNSELOR IEEE RGIT





VCET IETE STUDENTS FORUM

Vidyavardhini's College of Engineering & Technology
K. T. Marg, Vasai Road (W), Dist. Palghar - 401202, Maharashtra.

Tel.: 0250 - 2338234 (6 Lines) • Fax : 0250 - 2339486 • Email : vcet_inbox@vcet.edu.in

Website : www.vcet.edu.in

9th March, 2023

To, Mr. Manoj S. Kavedia Assistant Professor, Thadomal Shahani College, Bandra.

Subject: Letter of Appreciation

Respected Sir,

The Department of Electronics And Telecommunication Engineering in association with the VCET IETE-SF has organized a workshop on "Raspberry Pi" on 09th & 11th March, 2023.

The workshop provided participants with insight into the technology, utilization and applications of Raspberry pi. The workshop has opened multi-dimensional doors of opportunity to shape their careers. With your guidance, continuous support and encouragement to our students, the event became a grand success. We look forward to similar cooperation and support in future endeavors.

Thanking you

Yours truly,

Ms. Shaista Khanam VCET IETE-SF INCHARGE

Dr. Amrita Ruperee HOD-EXTC





Vishnu Waman Thakur Charitable Trust's

VIV Institute of Technology

Approved by AICTE, New Delhi, DTE, Government of Maharashtra and Affiliated to University of Mumbai

Shri. Hitendra V. Thakur President

Ms. Aparna P. Thakur Secretary

Dr. Arun Kumar Principal

Ref. No.: VIVA/VIT/3009 /2022-2023

Date: 03-01-2023

To,
Prof. Manoj Kavedia,
Assistant Professor,
Thadomal Sahani Engineering College,
Bandra (W.),
Mumbai.

Subject: Letter of Appreciation

Dear Sir,

We are really grateful to you for your valuable time and effort for delivering a session on "Basics of 8051 Trainer Kit, Arduino and IOT" for ISTE approved one week Short Term Training Program (STTP) on "Application of Sensors in Various Mechanical Systems and IOT" at VIVA Institute of Technology on 3rd January 2023.

Your session was very informative, knowledgeable and motivating.

Hope for similar support in future too.

Principal Principal

Dr. Arun Kumar







Atharva Educational Trust's

Atharva College of Engineering

(ISO 9001-2015, AQA International Certified Institute)
(NAAC Accredited)

Approved by AICTE, DTE & Affiliated to University of Mumbai

S. No. 263, Plot No. 8-12, Malad Marve Road, Charkop Naka, Malad (West), Mumbai - 400 095, INDIA
Tel.: +91-22-4029 4949 • +91-22-40294911 • Email ace@athervaeducation.com • Website: www.athervacoe.ac.in

Ref. No. ACE/ L/695/2022

Date: 18/10/2022

To, Prof Manoj Kevadia Thadomal Sahani Engineering College , Bandra Mumbai

Subject: Appreciation Letter for Seminar delivered at EXTC Dept. of Atharva College of Engineering .

Respected Sir,

The Department of Electronics & Telecommunication Engineering of Atharva College of Engineering would like to thank you for conducting a seminar on "Programming Skill for Placement on the 16 th September 2022.

We appreciate your efforts and sincerity in successfully delivering the seminar session for our college students, thereby imparting fundamental understanding programming Skill in C++.

Thank you very much for making the session a success. We look forward for your valuable guidance and long collaboration with our college for more such sessions.

Thanking you.

Prof. Mahalaxmi Palinje

HOD, EXTC

Dr. S.P Kallurkar

Principal







Zagdu Singh Charitable "Trust's (Regd.)

THAKUR COLLEGE OF **ENGINEERING & TECHNOLOGY**

Autonomous College Affiliated to University of Mumbai
Approved by All India Council for Technical Education(AICTE) and Government of Maharashtra(GoM)

Conferred Autonomous Status by University Grants Commission (UGC) for 10 years w.e.f. A.Y 2019-20
Amongst Top 200 Colleges in the Country, Ranked 195" in NIRF India Ranking 2019 in Engineering College category

150 9001:2015 Certified - Programmes Accredited by National Board of Accreditation (NRA), New Delhi

150 9001:2015 Certified - Programmes Accredited by National Board of Accreditation (NRA), New Delhi

· Institute Accredited by National Assessment and Accreditation Council (NAAC), Bang

Ph.D. (Technology) - Information Technology

Formation of Research Advisory Committee (RAC)

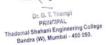
Constituted as per No.Exam,/Thesis/Univ,/VCD/947 of 2018 AND UOM-Th/ICD/2019-20/4457 Dated 11.02.2020

For conduct of Six Monthly Research Progess Seminar (RPS)- IV

Tentative Date: 17/01/2022 to 21/01/2022

Tentative Time: First Half- 11:00am to 2:00pm | Second Half- 2:30pm to 5:30pm

SR. NO.	NAME OF CANDIDATE	DATE OF ADMISSION	UNIVERSITY REGISTRATION NO. & DATE	RESEARCH TOPIC	Head, Research Center HOD (Ph.D Programs) (CHAIRPERSON)	RESEARCH GUIDE (CONVENOR)	EXTERNAL EXPERT NO. 1	EXTERNAL EXPERT NO. 2	Date of RPS-IV / Second Half
1	ARUNA ANIMISH PAVATE	14-02-2018	11/18-12-2019	DESIGN, TEST AND ANALYZE VARIOUS ADVERSARIAL MECHANISMS USING MACHINE LEARNING PRACTICES	DR. R. R. SEDAMKAR	DR, RAJESH S, BANSODE	DR. G. T. THAMPI	Dr.J.W.BAKAL	17/01/2021
2	ROHINI ANANT PATIL	19-03-2018	12/18-12-2019	DESIGN OF PREDICTIVE MODEL USING VARIOUS MACHINE LEARNING ALGORITHMS FOR IMPROVING DIAGNOSIS OF TYPE 2 DIABETES	DR. R. R. SEDAMKAR	DR. KAMAL SHAH	DR. VAISHALI KHAIRNAR	DR. MADHURI RAO	20/01/2021
3	UJWALA VISHWAJIT GAIKWAD	17-04-2018	15/18-12-2019	DESIGN AND DEVELOPMENT OF ADVANCED MACHINE LEARNING ALGORITHM TO IMPROVE SEGMENTATION OF CANCER MEDICAL IMAGES	DR. R. R. SEDAMKAR	DR. KAMAL SHAH	DR. VAISHALI KHAIRNAR	DR. MADHURI RAO	20/01/2021
4	SANDIP ANANDRAO BANKAR	26-03-2018	13/18-12-2019	BOLOCKCHAIN BASED FRAMEWORK TO ENHANCE DEVOPS	DR. R. R. SEDAMKAR	DR. DEVEN SHAH	DR. VAISHALI KHAIRNAR	DR. SUNIL WANKHADE	21/01/2021
5	NEERAJ KUMARI KHAIRWAI	12-02-2018	17/18-12-2019	DESIGN AND OPTIMIZATION OF BLOCKCHAIN FRAMEWORK FOR INDIAN JUDICIAL SYSTEM	DR. R. R. SEDAMKAR	DR. DEVEN SHAH	DR. VAISHALI KHAIRNAR	DR. SUNIL WANKHADE	21/01/2021



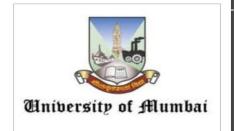
6	SUNNY BHAVAN SALL	08-03-2018	18/18-12-2019	PERFORMANCE EVALUATION OF SECURE DATA TRANSMISSION IN WIRELESS SENSOR NETWORK USING IEEE 802.11X STANDARDS	DR. R. R. SEDAMKAR	DR. RAJESH S. BANSODE	DR. G. T. THAMPI	DR. SUNIL WANKHADE	19/01/2021
7	ANITA JITENDRA CHAUDHARI	16-03.2018	14/18-12-2019	DESIGN AND DEVELOPMENT OF FRAMEWORK USING FULLY HOMOMORPHIC ENCRYPTION BASED HYBRID APPROACH TO SECURE IOT DATA	DR. R. R. SEDAMKAR	DR. RAJESH S. BANSODE	DR. G. T. THAMPI	Dr.J.W.BAKAL	Pre-Synopsis Done
8	BHUSHAN KUMAR PITAMBA	10-03-2018	16/18-12-2019	IOT BASED ADAPTIVE AUTOMATED ENVIRONMENT QUALITY MONITORING AS A SERVICE	DR. R. R. SEDAMKAR	DR. DEVEN SHAH	DR. G. T. THAMPI	DR. SUNIL WANKHADE	Pre-Synopsis done





K J Somaiya Institute of Engineering and Information Technology

An Autonomous Institute Permanently Affiliated to the University of Mumbai





Certificate of Appreciation

This is to appreciate and compliment that



Dr. Madhuri Rao

Reviewed papers of the 5th IEEE - International Conference on Advances in Science & Technology (IEEE-ICAST - 2022) organized by K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai, in association with University of Mumbai and Technically Sponsored by IEEE Bombay Section on 2nd and 3rd of December 2022.



Dr. Sunita Patil

Convenor - IEEE - ICAST 2022, Vice Principal, KJSIEIT ayeer

Dr. Suresh Ukarande

Chairperson-IEEE - ICAST 2022, Principal, KJSIEIT



FACULTY ORIENTATION PROGRAM ON DEEP LEARNING

(BE-EXTC-Semester-7)(R-2019 'C' Scheme) (Subject Code-ECCDLO7012)

Organized by Thadomal Shahani Engineering College

On behalf of BoS-EXTC, University of Mumbai on 15th July

2022

On behalf of BoS-EXTC, University of Mumbai





FACULTY MEMBERS INVOLVED IN DRAFTING THE SYLLABUS FOR "DEEP LEARNING"

SI No	Name	Institute	Role
1	Dr Maniroja Edinburgh	TSEC, Mumbai	Convener
2	2 Dr. Milind Shah FCIRT	FCIRT	Coordinator
3	Dr. Ashish Vasant Vanmali	Vidyavardini's College of Engineering & Technology	Member
4	Fr. Fabian Tommy Rose Barreto	mmy Rose Barreto XIE, Mahim	
5	Prof. Umakant Bhaskar Gohatre	Indira Gandhi College of Engineering	Member
6	Prof. Aarti Manoj Bakshi	KCCEMSR, Thane	Member
7	Prof. Pushkar Manohar Sathe	SIES	Member
8	Prof. Shyamala Ezhil Mathi	SIES	Member



TEACHING SCHEME & EXAMINATION SCHEME

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	Total
ECCDLO 7012	Deep Learning	03			03			03

Course	Course	Examination Scheme								
Code	Name Theory Marks E			Theory Marks			Term	Practical	Total	
		Internal A	Internal Assessment			Duration	Work	and Oral		
		Test 1	Test2	Avg.	Exam.	(Hrs.)				
ECCDLO 7012	Deep Learning	20	20	20	80	03			100	



PREREQUISITES

ECC 604-Artificial Neural Networks and Fuzzy logic



COURSE OBJECTIVES: AT THE END OF THE COURSE, THE STUDENTS WILL BE EXPECTED TO:

Learn how to use TensorFlow for building and testing Deep Learning models

Compare various CNN architectures



Know the importance of Regularisation and Optimization techniques in Deep Learning networks

Learn Deep Learning models for working with sequential data

Understand motivation and functioning of the most common types of Autoencoders and apply such mechanisms to various learning problems



COURSE OUTCOMES AFTER SUCCESSFUL COMPLETION OF THE COURSE STUDENT WILL BE ABLE TO:

Understand the fundamentals of Deep Learning

Understand the concepts of TensorFlow, its main functions, operations and the execution pipeline

Improve deep learning models using Regularization and Optimization techniques

Compare the Convolution Neural Network architectures and use them as per the application

Design and implement Sequence Neural Network systems and solve real-world problems

Illustrate the working of Autoencoders and use them for real-life applications



MODULE 1: INTRODUCTION TO DEEP LEARNING

No	Unit No	Topics	Hrs	Approximate Marks	Books	CO Mapping
1		Introduction to Deep learning				
	1.1	History of Deep Learning- A Probabilistic Theory of Deep Learning		10-15	Т1,Т2	CO1
	1.2	Introduction to Deep Feedforward Networks, Gradient Based Learning, Hidden Units		10-13	11,12	
	1.3	Architecture Design, Back propagation Algorithm				



MODULE 2: TENSORFLOW FOR DEEP LEARNING

No	Unit No	Topics	Hrs	Approximate Marks	Books	CO Mapping
2		TensorFlow for Deep learning				
	2.1	Introduction to TensorFlow using Python: Computational Graph, Key Highlights, Creating a Graph		15-20	OR5,OR6,R1	CO2
	2.2	Regression example, Gradient Descent, TensorBoard, Modularity, Sharing Variables, Keras				COZ
	2.3	Preprocessing and Data Augmentation of Images and Datasets using TensorFlow				



MODULE 3:REGULARIZATION & OPTIMIZATION TECHNIQUES

	No	Unit No	Topics	Hrs	Approximate Marks	Books	CO Mapping
)	3		Regularization and Optimizaction Techniques				
		3.1	Regularization: Need of Regularization, L2 Regularization, L1 Regularization, Early Stopping and Dropout	06	15-20	т1,т2	CO3
)		3.2	Optimization: Challenges in NN Optimization, Gradient Descent Approaches, Parameter Initialization Approach, Adaptive Approaches - AdaGrad, RMSProp and Adam				
		3.2	Introduction to Batch Normalization				



MODULE 4: EVOLUTION OF CNN IN DEEP LEARNING

-\								
	No	Unit No	Topics	Hrs	Approximate Marks	Books	CO Mapping	
)	4		Evolution of CNN in Deep Learning					
		4.1	Review of CNN Architecture, Introduction of various CNN Architectures: LeNet, AlexNet, VGG, GoogleNet, ResNet and UNet	08				
		4.2	Comparison of CNN Architectures, Evaluation Parameters		25-30	T1,T2	CO1	
		4.3	Applications of CNN in Image Classification and Object Detection					



MODULE 5: **SEQUENCE MODELLING**

\	No	Unit No	Topics	Hrs	Approximate Marks	Books	CO Mapping
Į	5		Sequence Modeling				
		5.1	Recurrent and Recursive Nets: Recurrent Neural Networks, Bidirectional RNN, Encoder Decoder Architectures				
		5.2	Introduction to Long Short-Term Memory (LSTM) and Temporal Dependencies	08	25-30	T1,T2	
		5.3	Gated Recurrent Units (GRUs)				CO5
		5.4	Applications of RNN in Real World- Image Captioning and Time Series Forecasting and Prediction				



MODULE 6: ENCODER DECODER MODELS

No	Unit No	Topics	Hrs	Approximate Marks	Books	CO Mapping
6		Encoder Decoder Models				
	6.1	Autoencoder: Encoder-Decoder Model, Training & Learning Manifold Space Encoder-Decoder Dr. G. T. TRADITION STRAINING STRAI	ering College			
	6.2	Regularized Autoencoders: Sparse, De-noising and Contractive	08	25-30	T1,T2	CO6
	6.3	Deep Autoencoder: Architecture and Working				
	6.4	Variational Autoencoders: Limitations of Autoencoders, Loss Function, Reparameterization Trick, Latent Space Visualization				



SELF-LEARNING TOPICS (NO QUESTIONS TO BE ASKED IN EXAMS.)

Deep learning applications in Object Localization

Video Classification

Content based Image Retrieval

Recommender System

End-to-End Speech Recognition and Machine Translation



TEXT BOOKS:

T1. Charu C. Aggarwal,
Neural Networks and
Deep Learning,
Springer International
Publishing, 2018.

T2. Ian Goodfellow,, Deep Learning, Yoshua Bengio and Aaron Courville MIT Press, 2016.





REFERENCE BOOKS

R1-Christopher M. Bishop, Pattern Recognition and Machine Learning, Springer-Verlag, 2006.

R2-Duda, Richard, Peter Hart, and David Stork, Pattern Classification, 2nd edition, Wiley-Interscience, 2000.

R3-Michael Nielsen, Neural Networks and Deep Learning, Determination Press, 2015.

R4-Reza Zadeh, Bharath Ramsundar, TensorFlow for Deep Learning, 1st edition, O'Reilly Media Inc, 2018.

R5-Zaccone, Giancarlo, Deep Learning with TensorFlow, 2nd edition, Packt Publishing, 2018.





NPTEL course on Deep learning by Prof. Sudarshan Iyengar, IIT Ropar.

https://nptel.ac.in/course

NPTEL Course on Practical Machine Learning with TensorFlow by Prof. Balaraman Ravindran, IIT Chennai. https://nptel.ac.in/courses/ 106/106/106106213/

NPTEL course on Deep learning by Prof. Prabir Kumar Biswas, IIT Kharagpur.

https://nptel.ac.in/courses/10 6/105/106105215/





ONLINE RESOURCES:

OR1-https://www.tensorflow.org/tutorials/images/data_augmentation

OR2-https://towardsai.net/p/machine-learning/improving-artificial-neural-network-with-regularization-and-optimization

OR3-https://towardsdatascience.com/regularization-techniques-for-neural-networks-e55f295f2866

OR4-https://www.kaggle.com/sid321axn/regularization-techniques-in-deep-learning

OR5-https://medium.com/@minions.k/optimization-techniques-popularly-used-in-deep-learning-3c219ec8e0cc

OR6-https://www.jeremyjordan.me/variational-autoencoders/



INTERNAL ASSESSMENT 20 MARKS

Assessment (IA) consists of two class tests of 20 marks each.

IA-1 is to be conducted on approximately 40% of the syllabus and IA-2 will be based on remaining contents (approximately 40% syllabus but excluding contents covered in IA-I).

Duration of each test shall be one hour. Average of the two tests will be considered as IA marks.



END SEMESTER EXAMINATION: 80 MARKS

Weightage to each of the modules in end-semester examination will be proportional to number of respective lecture hours mentioned in the curriculum.

- 1. Question paper will comprise of **total 06** questions, each carrying **20 marks**.
- 2. Question No: 01 will be compulsory and based on entire syllabus wherein 4 to 5 sub-questions will be asked.
- 3. Remaining questions will be mixed in nature and randomly selected from all the modules.
- 4. Total 04 questions need to be attempted.



PROPOSED BREAKUP OF QUESTIONS FOR CONTINUOUS INTERNAL EVALUATION TO EVALUATE THE VARIOUS EDUCATIONAL COMPONENTS (BLOOMS TAXONOMY)

1/9	Level	Skill Demonstrated	Question cues / Verbs for tests	Weightage (%)
1° 0	1. Remember	 Ability to recall of information like facts, conventions, definitions, jargon, technical terms, classifications, categories, and criteria Ability to recall methodology and procedures, abstractions, principles, and theories in the field Knowledge of dates, events, places Mastery of subject matter 	list, define, tell, describe, recite, recall, identify, show, label, tabulate, quote, name, who, when, where	15%
	2. Understand	 Understanding information Grasp meaning Translate knowledge into new context Interpret facts, compare, contrast Order, group, infer causes Predict consequences 	describe, explain, paraphrase, restate, associate, contrast, summarize, differentiate interpret, discuss	25%
	3. Apply	Use information Use methods, concepts, laws, theories in new situations Solve problems using required skills or knowledge Demonstrating correct usage of a method or procedure	calculate, predict, apply, solve, illustrate, use, demonstrate, determine, model, experiment, show, examine, modify	50%
	4. Analyse	 Break down a complex problem into parts Identify the relationships and interaction between the different parts of a complex problem Identify the missing information, sometimes the redundant information and the contradictory information, if any 	classify, outline, break down, categorize, analyze, diagram, illustrate, infer, select	10%



No	Unit No	Topics	Books
1		Introduction to Deep learning	
	1.1	History of Deep Learning- A Probabilistic Theory of Deep Learning	T2 11-12, T1 54-56, and 67,68
	1.2	Introduction to Deep Feedforward Networks, Gradient Based Learning, Hidden Units	/_ 6x_ / / /_ X 9 _ 94
	1.3	Architecture Design, Back propagation Algorithm	T2-197-201, 207-212 T1 21-24,107-109



No	Unit No	Topics	Books		
2		TensorFlow for Deep learning			
	2.1	Introduction to TensorFlow using Python: Computational Graph, Key Highlights, Creating a Graph	RA 19=.10 .19=4		
	2.2	Regression example, Gradient Descent, TensorBoard, Modularity, Sharing Variables, Keras			
	2.3	Preprocessing and Data Augmentation of Images and Datasets using TensorFlow	OR1		



No	Unit No	Topics	Books		
3		Regularization and Optimization Techniques			
	3.1	Regularization: Need of Regularization, L2 Regularization, L1 Regularization, Early Stopping and Dropout			
	3.2	Optimization: Challenges in NN Optimization, Gradient Descet nApproaches, Parameter Initialization Approach, Adaptive Approaches - AdaGrad, RMSProp and Adam			
	3.2	Introduction to Batch Normalization	T1 317-320, 151-156		



No	Unit No	Topics	Books		
4		Evolution of CNN in Deep Learning			
	4.1	Review of CNN Architecture, Introduction of various Architectures: LeNet, AlexNet, VGG, GoogleNet, ResNet and UNet	T1 40-42, 318-330,338-341,342-350		
	4.2	Comparison of CNN Architectures, Evaluation Parameters			
	4.3	Applications of CNN in Image Classification and Object Detection	T1 364-366		



N	lo	Unit No	Topics	Books	
1			Sequence Modeling		
		5.1	Recurrent and Recursive Nets: Recurrent Neural Networks, Bidirectional RNN, Encoder Decoder Architectures		
		5.2	Introduction to Long Short-Term Memory (LSTM) and Temporal Dependencies		
		5.3	Gated Recurrent Units (GRUs)	T2- 411-	
		5.4	Applications of RNN in Real World- Image Captioning and Time Series Forecasting and Prediction	T1-298,299, 305-307	



	No	Unit No Topics		Books		
כ	6 Encoder Decoder Models		Encoder Decoder Models			
		6.1	Autoencoder: Encoder-Decoder Model, Training & Learning Manifold Space	T1 - 71-76 T2 - 14 502-504, 515-520		
		6.2	Regularized Autoencoders: Sparse, De-noising and Contractive	T2-14 502-508, 510-515,521-523		
		6.3	Deep Autoencoder: Architecture and Working	T1 78-80		
		6.4	Variational Autoencoders: Limitations of Autoencoders, Loss Function, Re-parameterization Trick, Latent Space Visualization	OR4		



SAMPLE QUESTIONS BUT NOT RESTRICTED



- 1. What do you mean by Deep learning? Briefly describe the history of Deep Learning.
- 2. What is the need for Probabilistic Theory in Deep Learning?
- 3. Draw the architecture of Feed Forward networks and discuss their working
- 4. What are the various steps involved in Back propagation Algorithm?
- 5. What are Hidden Units? What is the purpose of Hidden units in Neural Network architecture
- 6. Define gradient based learning. Support your answer with necessary equations



- What is TensorFlow?
- How does Tensorflow architecture works?
- What do you mean by Tensors and and Graphs in Tensorflow?
- What are variables and placeholders in Tensorflow?
- What do you mean by dataflow graph in TensorFlow?
- How do you create a graph in Tensor flow?
- Create a graph of binary addition in TensorFlow
- What are the important features of Tensor flow?
- Define the following terms in Tensor Flow
 - Gradient Descent
 - TensorBoard
 - Modularity,
- List out the various steps involved in the implementation of Linear regression/Image Augumentation using
 Tensor Flow using necessary equations
- what is the use of KERAS in machine learning?







- Why do we need Regulaization and optimization?
- What is L2 Regularization? Give the necessary equations
- What is L1 Regularization? Is it better than L1 regularization?
- What is the need for using early stopping and dropouts in Deep learning?
- Discuss the challenges in Optimization Algorithm.
- What is the purpose of using Parameter Initialization Approach in Deep Learning? What are the different types of parameter initialization techniques?
- What are the various adaptive algorithm used for optimization in Deep Learning. Explain AdaGrad, RMSProp and Adam optimization algorithms
- Differentiate the optimization algorithms AdaGrad, RMSProp and Adam.
- Can we use gradient descent approach for optimization?
- biscuss the advantages of batch normalization in deep learning?
- Define vanishing and exploding gradients.
- What is batch normalization?



- Discuss the architecture of LeNet/ AlexNet/VGG/ GoogleNet/ ResNet and Unet.
- Compare the performance of LeNet, AlexNet, VGG, GoogleNet, ResNet and Unet.
- List down the parameters associated with LeNet/ AlexNet/VGG/ GoogleNet/ ResNet and Unet
- What is inception model in GoogleNet architecture
- What are the total learning parameters in various CNN architectures?
- What are Skip Connections in ResNet?
- What are the different parameters involved in the comparison of CNN architectures?
- What is the use of stride and pooling operation in CNN? Is it necessary to use flattening in CNN?
- What are the various applications of CNN s?
- •/What are the various steps involved in image classification/Object detection using CNN?



- Discuss the encoder decoder architecture of Recurrent Neural Networks/Bidirectional RNN
- What do you mean by sequence modelling? Which networks can be used for sequence modelling?
- What are the different types of RNNs?
- Compare LSTM with RNN
- What are issues associated with standard RNN?
- What are the advantages of LSTM with RNN?
- Analyse the architecture of LSTM
- What is the use of forget gate, input gate and output gate in LSTM?
- What are the advantages of GRUs? Draw the architecture
- •/What are the uses of update gate and reset gate in GRU architecture
- ✓ List the applications of RNN with brief description. Compare RNN with feedforward networks.
- Compare LSTM with GRUs



- Analyse the encoder decoder model for Auto encoders
- What are Regularized autoencoders? What are the different types of regularized auto encoders?
- What are the parameters considered while training autoencoders?
- Briefly explain sparse/denoising/contractive auto encoders
- With near architecture explain the working of Deep Autoencoder
- What are the limitations of autoencoders? How can we overcome these limitations by variational auto encoders
- Write notes on Loss Function/Re-parameterization Trick/Latent Space Visualization
- What are the applications areas of auto encoders? Explain Dimensionality Reduction /Image Denoising and Compression using autoencoders
- What is bottleneck in autoencoders?



DEMONSTRATION DURING LECTURE-IF POSSIBLE

- Pre-processing of images using Tensor Flow
- Image Augmentation using Tensor flow
- Image Classification and object detection using CNN
- Image captioning using RNN
- Image DE noising using Autoencoders
- Content base image retrieval
- Video classification



THANK YOU





University of Mumbai



No.Exam./Engg/535 of 2023, Mumbai – 400 098.

1]	Dr. Ramesh Kulkarni (VESIT) (Convener)	10]	Prof. Amit Mehta (PCE)
2]	Dr. S. D. Deshmukh (RGIT)	11]	Prof. Dinesh Deore (RIZVI)
3]	Dr. P. A. Ghonge (ST.JHON)	12]	Prof. Rajan Deshmukh (RIZVI)
4]	Dr. Duche Ravindra (LTCE)	13]	Prof. Smita Lonkar (SSJCE)
5]	Dr. B. U. Rindhe (KCCE)	14]	Prof. Shruti Patil (SLRTCE)
6]	Dr. B. G. Hogade (TERNA)	15]	Dr. Ravindra Choudhari (SFIT)
7]	Dr. Avinash Vaidya (PCE)	16]	Prof. Jagdish Sarode (SAKCE)
8]	Dr. Manasi Subhedar (PHCET)	17] .	Prof. Uma Raj (SAKEC)
9]	Dr. Maniroja Edinburgh (TSEC)		

Mesdames/Gentlemen,

This is to inform you, that the Hon'ble Vice-Chancellor has appointed your Moderation Committee to scrutinize the results of engineering examinations in <u>Electronics & Telecommunication Engineering</u>, Computer Science and Engg (Data Science), Internet of Things branch, at the Semester III to VI (Rev.2012, Rev. 2016 & Rev.2019) held by the colleges on behalf of the University in the <u>Second Half 2022</u>.

You are therefore, requested to form yourself into a Committee and kindly make it convenient to attend the Second Meeting scheduled to be held on Wednesday, 5th April, 2023 at 11.00 a.m. in Room No.36-A, Engineering Unit, First Floor, M. J. Phule Bhavan, University of Mumbai, Vidyanagari, Kalina, Santacruz (East), Mumbai – 400 098, and extend your co-operation in maintaining the schedule, so as to get the moderation work done quickly to declare the result within stipulated time as per Maharashtra Public Universities Act, 2016.

Soliciting your co-operation in the matter.

Yours faithfully,

Shri Narendra Gangaram Khalane (Offg. Deputy Registrar) (Results Unit)







2

No.Exam./Engg./ 53 6 of 2023, Mumbai – 98,

53 April, 2023.

Copy forwarded for information and necessary action to:

- The Principal, V.E.S. Institute of Technology, Hashu Advani Memorial Complex, Collector's Colony, Chembur, Mumbai – 400 074.
- The Principal, Manjra Charitable Trust's Rajiv Gandhi Institute of Tech., Juhu Versova Link Road, Near H.D.F.C., Versova, Andheri (West), Mumbai – 400 053.
- 3. The Principal, St. John College of Engineering & Technology, St. John Educational Complex, Village Vevoor, Manor Road, Dist: Palghar 401 404.
- 4. The Principal, Lokmanya Tilak College of Engineering, Sector 4, Koparkhairane, Navi Mumbai 400 709.
- The Principal, Excelsior's Education Society's K. C. College of Engineering, Mith Bunder Road, Kopri, Thane (E) – 400 603.
- 6. The Principal, Terna Engineering College, Sector 22, Phase 2, Nerul, Navi Mumbai 400 706.
- The Principal, Pillai College of Engineering, Sector 16, New Panvel, Navi Mumbai 410 206.
- The Principal, Pillai Hoc College of Engg. & Tech., Pillai HOCL Education Campus, HOC Colony, Rasayani, Dist: Raigad – 410 207.
- The Principal, Thadomal Shahani Engineering College, P. G. Kher, Bandra (W), Mumbai 400 050.
- The Principal, Rizvi College of Engineering, Rizvi Educational Complex, Off. Carter Road, Bandra (W), Mumbai – 400 050.
- 11. The Principal, S. S. Jondhale College of Engg., Sonarpada, Post Manpada, Dombivli (E), Dist: Thane 421 204.
- The Principal, Shree L. R. Tiwari College of Engg., Near Commissioner Bunglow, Kanakiya Park, Mira Road (E), Dist: Thane – 401 107.
- 13. The Principal, St. Frances Inst. of Technology Borivali, Mumbai 400 101.
- The Principal, Shah & Anchor Kutchhi Engg. College, Shivaji Maharaj Chok, Waman Tukaram Patil Marg, Next to Dukes Co. Chembur, Mumbai – 400 088.
- P. A. to I/c Director, Board of Examinations & Evaluation, University of Mumbai, Vidyanagari, Santacruz (E), Mumbai – 400 098.
- The Deputy Registrar, Finance & Accounts Section, University of Mumbai, Vidyanagari, Santacruz (E), Mumbai – 400 098.

Shri Narendra Gangaram Khalane (Offg. Deputy Registrar) (Results Unit)

Dr. G. T. Thampi PRINCIPAL Thadomal Shahari Engineering College Bandra (W), Mumbal - 400 050.

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University of Mumbai

No.Exam./Engg/ 480 of 2023, Mumbai – 400 098. 24/02/2023.

1]	Dr. Ramesh Kulkarni (VESIT) (Convener)	10]	Prof. Amit Mehta (PCE)
2]	Dr. S. D. Deshmukh (RGIT)	11]	Prof. Dinesh Deore (RIZVI)
3]	Dr. P. A. Ghonge (ST.JHON)	12]	Prof. Rajan Deshmukh (RIZVI)
4]	Dr. Duche Ravindra (LTCE)	13]	Prof. Smita Lonkar (SSJCE)
5]	Dr. B. U. Rindhe (KCCE)	14]	Prof. Shruti Patil (SLRTCE)
6]	Dr. B. G. Hogade (TERNA)	15]	Dr. Ravindra Choudhari (SFIT)
7]	Dr. Avinash Vaidya (PCE)	16]	Prof. Jagdish Sarode (SAKCE)
8]	Dr. Manasi Subhedar (PHCET)	17]	Prof. Uma Raj (SAKEC)

Mesdames/Gentlemen,

(TSEC)

Dr. Maniroja Edinburgh

This is to inform you, that the Hon'ble Vice-Chancellor has appointed your Moderation Committee to scrutinize the results of engineering examinations in <u>Electronics & Telecommunication Engineering</u>, <u>Computer Science and Engg (Data Science)</u>, <u>Internet of Things</u> branch, at the Semester III to VI (Rev.2012, Rev. 2016 & Rev.2019) held by the colleges on behalf of the University in the <u>Second Half 2022</u>.

You are therefore, requested to form yourself into a Committee and kindly make it convenient to attend the First Meeting scheduled to be held on Tuesday, 28th February, 2023 at 11.00 a.m. in Room No.36-A, Engineering Unit, First Floor, M. J. Phule Bhavan, University of Mumbai, Vidyanagari, Kalina, Santacruz (East), Mumbai – 400 098, and extend your co-operation in maintaining the schedule, so as to get the moderation work done quickly to declare the result within stipulated time as per Maharashtra Public Universities Act, 2016.

Soliciting your co-operation in the matter.

Yours faithfully.

Superintendent (Engg. Results Unit)





No.Exam./Engg 48 02 of 2023, Mumbai – 98, 24 February, 2023.

Copy forwarded for information and necessary action to:

- The Principal, V.E.S. Institute of Technology, Hashu Advani Memorial Complex, Collector's Colony, Chembur, Mumbai – 400 074.
- 2. The Principal, Manjra Charitable Trust's Rajiv Gandhi Institute of Tech., Juhu Versova Link Road, Near H.D.F.C., Versova, Andheri (West), Mumbai 400 053.
- The Principal, St. John College of Engineering & Technology, St. John Educational Complex, Village Vevoor, Manor Road, Dist: Palghar – 401 404.
- 4. The Principal, Lokmanya Tilak College of Engineering, Sector 4, Koparkhairane, Navi Mumbai 400 709.
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- 9. The Principal, Thadomal Shahani Engineering College, P. G. Kher, Bandra (W), Mumbai 400 050.
- The Principal, Rizvi College of Engineering, Rizvi Educational Complex, Off. Carter Road, Bandra (W), Mumbai – 400 050.
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- The Principal, Shree L. R. Tiwari College of Engg., Near Commissioner Bunglow, Kanakiya Park, Mira Road (E), Dist: Thane – 401 107.
- 13. The Principal, St. Frances Inst. of Technology Borivali, Mumbai 400 101.
- 14. The Principal, Shah & Anchor Kutchhi Engg. College, Shivaji Maharaj Chok, Waman Tukaram Patil Marg, Next to Dukes Co. Chembur, Mumbai 400 088.
- P. A. to I/c Director, Board of Examinations & Evaluation, University of Mumbai, Vidyanagari, Santacruz (E), Mumbai – 400 098.
- The Deputy Registrar, Finance & Accounts Section, University of Mumbai, Vidyanagari, Santacruz (E), Mumbai – 400 098.

Superintendent (Engg. Results Unit)



University of Alumbai, No. Exam. /Engg/2995 of 2022,

Mumbai - 400 098.

13/9/2022

1]	Dr. Ramesh Kulkarni (VESIT) (Convener)	Tomor Brown (Brit)	10]	Prof. Amit Mehta (PCE)
2]	Dr. S. D. Deshmukh (RGIT)		11)	Prof. Dinesh Deore (RIZVI)
3]	Dr. P. A. Ghonge (ST.JHON)		12]	Prof. Rajan Deshmukh (RIZVI)
4]	Dr. Duche Ravindra (LTCE)		13]	Prof. Smita Lonkar (SSJCE)
5]	Dr. B. U. Rindhe (KCCE)		14]	Prof. Shruti Patil (SLRTCE)
6]	Dr. B. G. Hogade (TERNA)		15]	Dr. Ravindra Choudhari (SFIT)
7]	Dr. Avinash Vaidya (PCE)		16]	Prof. Jagdish Sarode (SAKCE)
8]	Dr. Manasi Subhedar (PHCET)		17]	Prof. Uma Raj (SAKEC)
9]	Dr. Maniroja Edinburgh (TSEC)			

Mesdames/Gentlemen,

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You are therefore, requested to form yourself into a Committee and kindly make it convenient to attend the Second Meeting scheduled to be held on Monday, 19th September, 2022 at 11.00 a.m. in Room No.36-A, Engineering Unit, First Floor, M. J. Phule Bhavan, University of Mumbai, Vidyanagari, Kalina, Santacruz (East), Mumbai – 400 098, and extend your co-operation in maintaining the schedule, so as to get the moderation work done quickly to declare the result within stipulated time as per Maharashtra Public Universities Act, 2016.

Soliciting your co-operation in the matter.

Yours faithfully,

(Offg. Superintendent) (Engg. Results Unit)

Note for Convener - Please send Three/Four members of your committee for Moderation as per your convenience.



No.Exam./Engg./ 2946 of 2022, Mumbai - 98,

13 September, 2022

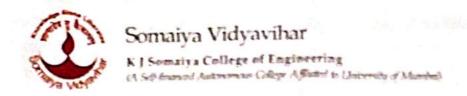
Copy forwarded for information and necessary action to:

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- The Principal, Manjra Charitable Trust's Rajiv Gandhi Institute of Tech., Juhu Versova Link Road, Near H.D.F.C., Versova, Andheri (West), Mumbai – 400 053.
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- 5. The Principal, Excelsior's Education Society's K. C. College of Engineering, Mith Bunder Road, Kopri, Thane (E) 400 603.
- 6. The Principal, Terna Engineering College, Sector 22, Phase 2, Nerul, Navi Mumbai 400 706.
- 7. The Principal, Pillai College of Engineering, Sector 16, New Panvel, Navi Mumbai 410 206.
- The Principal, Pillai Hoc College of Engg. & Tech., Pillai HOCL Education Campus, HOC Colony, Rasayani, Dist: Raigad – 410 207.
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- The Principal, Shree L. R. Tiwari College of Engg., Near Commissioner Bunglow, Kanakiya Park, Mira Road (E), Dist: Thane – 401 107.
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- The Deputy Registrar, Finance & Accounts Section, University of Mumbai, Vidyanagari, Santacruz (E), Mumbai – 400 098.

(Offg. Superintendent) (Engg. Results Unit)







KISCE/COMP/ 77

Date: 15/03/2023

Attendance Certificate

This is to certify that **Dr. Archana Patankar** of Thadomal Sahani College of Engineering, has attended our college for External Exam Audit for Computer Department on 15/03/2023 (No. of days 1).

Dr. G. T. Thampi PRINCIPAL Thadomal Shahani Engineering College Bandra (W), Mumbai - 400 050. EGILLOS COLLEGES

нор,

Department of Computer Engineering









INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS

TSEC STUDENT CHAPTER



8th March, 2023

To,
Dr. Archana Patankar
Thadomal Shahani Engineering College,
Bandra (West),
Mumbai – 400050

SUBJECT: LETTER OF APPRECIATION FOR JUDGING NEWBIETHON

Dear Ma'am,

The INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS (IETE-TSEC) would like to express our heartfelt appreciation for your valuable contribution as a judge for the Mini Hackathon (Newbiethon) held on March 11 which was the headliner event of our even semester technical fest Oscillation'23.

The hackathon, part of the technical fest Oscillation'23, provided a platform for new developers to enhance their problem-solving, coding, and development skills. Your role as a judge was instrumental in making the event a success and helping students overcome their fears of larger hackathons.

Your expertise, guidance, and feedback during the hackathon were remarkable. Your thorough evaluation of the participants' projects and insightful comments provided them with valuable knowledge and motivation to refine their skills. Your encouragement fostered determination and inspired them to push their boundaries. Your mentorship has not only enhanced their technical skills but also cultivated teamwork, critical thinking, and creativity.

Thank you for your invaluable contribution to the IETE-TSEC mini hackathon. Your dedication, expertise, and enthusiasm have inspired countless students to fearlessly pursue their passion for technology. We are truly grateful for your unwavering commitment to the growth and development of our future technology leaders.

With deep appreciation,

Yours Sincerely,

Ms. Ananya Garg Secretary IETE-TSEC

Dr. Tanuja Sarode Branch Counsellor IETE-TSEC

