The Director Maharaja Agraven Institute of Technology PSP Area, Sector-22 Rohini, Delhi-110086 Robini (Sec \$2 Delhi - 86 May 20, 2025 Subject: Request for grant of OD for PhD presentation semester progress Keepected Ma'an Kindly grant OD for semester progress of PhD scheduled on the following dates: (1) SRC on May 27, 2025 (2) DRC on May 30, 2025 I have attached the relevant mails for your kind reference I mould be highly obliged 25. Thanking You Yours sincerely Monika Bhardway )
A.P., EEED

## EEE-RAC Intimation for all batches PhD scholars, May 2025

From: Rajkumar Viral (rviral@amity.edu)

- monika\_gupta2208@yahoo.com; evagupta695@gmail.com; sreedipghosh54321@gmail.com; psolanki@gn.amity.edu; shilpasxna@gmail.com; kpandey@amity.edu; adnan.mukhtar1@s.amity.edu To:
- pmtiwari@amity.cdu; sksinha6@amity.cdu; bmoulik@amity.cdu; hpsingh2@amity.cdu; vktayal@amity.cdu; sgupta20@amity.cdu Ö

Date: Tuesday, May 13, 2025 at 01:24 PM GMT+5:30

Dear Research Scholar(s)/PhD Guide(s)/RAC Member(s),

Research Advisory Committee (RAC ) meeting of all batches Ph.D Scholars from the Department of Electrical & Electronics Engineering is planned to be scheduled on 27 May 2025 (Tuesday) at 10:00 AM at E-1, G-12 in physical mode.

All research Scholar(s) is requested to please prepare the presentation as per the template sent and as discussed with their allocated guide(s). All please make yourself available on the same date and time.

# Further, it requested to all Research Scholars/Guide(s)/RAC member(s), please ensure to expedite the submission of the following documents:

- It is mandatory for all research scholars that they must upload the SPR on Amizone before the date of RAC presentation and request to all Guide(s) please ensure this.
- All Research Scholars have to submit documents to their Guides.
- Guides after endorsing all the documents will submit the same to the respective Ph.D Coordinator of the department.
- Ph.D scholars will submit the hard copy of SPR and Minutes of the RAC Meeting and progress report with signature to their respective Guide(s), who will forward the same with signature to departmental coordinators.

Some updated documents are enclosed for your ready reference.

### Thanks & Warm Rgds.

O. R. Via, D. O.

Associate Professor & EEE-PHD Coordinator

E1-103C, Department of Electrical and Electronics Engineering,

Amity University Campus, Sector-125, Noida (UP)-201313, India Amity School of Engineering & Technology (ASET),

P(O): +91-1204392469, M: +91-9897675190

Email: rviral@amity.edu.in, rajkumarviral@gmail.com

LINKEDIN | GOOGLE SCHOLAR | ORCID | SCOPUS | PUBLONS WEBPAGE | RESEARCHGATE | WOS |



Updated RAC minutes - Proforma format.docx

23.7kB

Semester Progress Report Performa - Updated.docx

57kB

Updated\_SPR\_PPT\_Format.ppt

445kB



## Fw: Circulation of Updated Proforma for RAC, PPT, and DRC

ion of opticated Protoffile for R. PPT, and DRC

From: Dr. P.M. Tiwari (pmtiwari@amity.edu)

To: monika\_gupta2208@yahoo.com; adnan.mukhtar143@gmail.com

Cc: rviral@amity.edu

Date: Tuesday, May 13, 2025 at 01:39 PM GMT+5:30

Use this template

With Best Regards,

Dr. P. M. Tiwari, PhD(IIT, Delhi)

Professor & Head

Department of Electrical & Electronics Engg.

Amity School of Engineering and Technology

Amity University Uttar Pradesh, Noida, INDIA

From: Dr. Sumit Gupta <sgupta20@amity.edu>

Sent: Tuesday, May 13, 2025 10:06

To: Shubhra Dixit <sdixit3@amity.edu>; Sanjeev K Sharma <sksharma6@amity.edu>; Rajkumar Viral <rviral@amity.edu>; Sumit Kumar <skumar59@amity.edu>; Dr.

Priyanka Singh <psingh28@amity.edu>

Cc: Dr. J K Rai <jkrai@amity.edu>; Basant S Sikarwar <bssikarwar@amity.edu>; Dr. P.M. Tiwari <pmtiwari@amity.edu>; Sanjeev Thakur <sthakur3@amity.edu>; Ravinder

K Tomar <rktomar@amity.edu>; Prof (Dr) Manoj Kumar Pandey <mkpandey1@amity.edu>

Subject: Fw: Circulation of Updated Proforma for RAC, PPT, and DRC

Dear Colleagues,

Ref. the trailing email, the DRC meeting of all batches PhD for Jan.-June 2025 has been scheduled as follow:

3/10/23, 10:11 AM

PhD Programme	Batch	Date	Day	Time	Venue
Computer Science and Engineering	All Batches	28.05.2025	Wednesday	10:00 AM	E1-204
Mechanical and Automation Engineering					
Civil Engineering	All Batches	29.05.2025	Thursday	10:00 AM	E1-204
Slectronics and Communication Engineering	All Batches	30.05.2025	Friday	10:00 AM	E1-204
Sectrical Engineering	All Batches	30.05.2025	Friday	03:00 PM	E1-204

You are requested to kindly inform to the guides and scholars accordingly.

Also, Please instruct guides to approve the scholar's SPR for Jan.-June2025 before DRC Meeting.

Ph.D Coordinators are requestd to send the RAC meeting dates of your respective department. (Please ignore those who have already given the RAC meeting Dates.)



### progress presentation OD

essage

jayan Jha <ukj26.uj@gmail.com> io:Suresh Kumar Patyal <patyalsk@gmail.com>

Thu, Jul 31, 2025 at 9:12 AM

194.0.21 TO THE

Hi Patyal Ji PFA Regards Udayan Kr Jha

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

From: phd mait <phdmait2023@gmail.com>

Date: Wed, Jul 23, 2025, 1:00 PM

Subject: Regarding PhD progress presentation

To: Udayan Jha <ukj26.uj@gmail.com>

Cc: Director MAIT <directormait2014@gmail.com>, <registrar@mau.ac.in>, NAVEEN TYAGI <nvntyagi04@grnail.com>

Dear Mr. Udayan Kumar Jha,

is to inform you that your six monthly PhD progress presentation has been scheduled on 25th July'25 at 11:00 AM in Room MAIT. You are required to be present for the same.

Further you are directed to clear your pending dues positively.

Best Regards,

Prof. (Dr.) Aparna N. Mahajan
Director
Maharaja Agrasen Institute of Technology (MAIT)
Maharaja Agrasen University
Atal Shiksha Kunj, Vill. Kalujhanda
Baddi (Distt. Solan)- 174 103 (H.P.) India
Past Chair, WIE. IEEE Delhi Section
Life Member ISTE
Fellow Member IETE
Member CSTA

Mob:-9540817129



C. Interviews or Focus Groups E Strengths: o Rich, qualitative insights through indepth discussions.

o Flexibility to explore emerging themes.

Weaknesses: o Time-consuming and less scalable.

o Responses may be influenced by group dynamics or interviewer bias.

### 3. Comparison of Insights

Which method provides the most comprehensive insights?

 Interviews/Focus Groups often yield the most comprehensive insights due to their ability to probe deeper into individual perspectives and group dynamics. However, they are best used in conjunction with other methods for triangulation.

Discrepancies between self-reported survey data and observed behaviors?

Common Discrepancies: o Participants may overestimate positive behaviors (e.g., exercising, recycling) in surveys, while observational studies reveal lower actual engagement.

o Self-reports often underrepresent negative behaviors (e.g., smartphone usage during work).

### Example Case Study:

• Students: Self-report spending 2 hours daily on academic tasks but are observed to spend only 45 minutes actively studying.

Professionals: Self-report prioritizing work-life balance, yet observational data shows frequent after-hours

email activity.

• Community Members: Self-report high community engagement, while observations indicate limited participation in local events.

### Conclusion

For comprehensive insights:

- Use a mixed-methods approach: Surveys for breadth, observations for accuracy, and interviews for depth.
- Cross-validate self-reported data with observed behaviors to identify and understand discrepancies.

### VIVA VOCE QUESTION:

Q1: What are the main differences between surveys, interviews, and observations? Ans:

• Surveys: Structured questionnaires administered to gather data from a large group, often quantitatively.

• Interviews: One-on-one or small group conversations, offering detailed qualitative insights.

 Observations: Watching and recording behaviors or phenomena in real time, capturing contextual and natural data.

Q2: What is the importance of choosing the right data collection method?

Ans: The right method ensures that the collected data aligns with research objectives, improves validity and

reliability, and minimizes biases or errors.



### Maharaja Agrasen Institute of Technology

PSP AREA, MAHARAJA AGRASEN CHOWK, SECTOR-22, ROHINI, DELHI-110086 Application for Earned Leave/Medical Leave/Casual Leave

1. Name	: Neha Aggarwal
2. Designation	: Assistant Professor
3. Department	EEE
4. Date of Joining M	1AIT: 11 Ay 2014
5. Earned Leave/Me	dical Leave/Casual Leave (Attach Certificate/s Where necessary)
From	: 24 Mar
То	: 24 Mar
N	o. of Days:: 1Day (OD)
6. Reason	Pre-PhD at MAU, Badde
7. Contact address	s on Leave AR MW records
8. Contact Telep	hone No. on Leave 9873939119

Director / Dean

**Head of Department** 

signature of Applicant



### Regarding rescheduling of Pre-Ph.D Presentation on 24th March, 2025

1 message

phd mait <phdmait2023@gmail.com>

Wed, Mar 19, 2025 at 1:17 PM

To: Dimple Saproo <a href="mailto:com">dimplesaproo@gmail.com</a>, Neha Gupta <nehagupta2589@gmail.com</a>, neha aggarwal

<nehaagg2589@gmail.com>

Cc: Director MAIT <directormait2014@gmail.com>, registrar@mau.ac.in, NAVEEN TYAGI <nvntyagi04@gmail.com>, Amit Verma <verma0152@gmail.com>, Sushil Bansal <sk93recj@gmail.com>, dr.tanvisharawat@gmail.com, ranjit kumar <ranjitpes@gmail.com>, mamta <dahiya.mamta56@gmail.com>, Dr Suneev Anil Bansal <suneev@gmail.com>, Ankush Gupta <ankush03gupta@gmail.com>, Rahul Gupta <er.rahulgupta3164@gmail.com>, "Dr. Paramjit Singh" <ppparamjitsingh@gmail.com>, drneha.kishore@gmail.com

Dear Research Scholars,

Greetings!!!

Your Pre-Ph.D Presentation has been re-scheduled on 24th March, 2025. The details are as elow:

Name of Research Scholar

Roll No.

Name of Supervisor

Venue

Time

Dimple Saproo

MAU19DEC004

Neha Aggarwal

Prof. (Dr.) A.N. Mahajan

Smart Room-MAIT

10:00 AM onwards

Name of Research Scholar

Roll No.

Name of Supervisor

Venue Time

MAU20DEC001 Prof. (Dr.) A.N. Mahajan

Smart Room-MAIT

10:00 AM onwards

You are required to be present in the University beforehand on 24th March, 2025.

You are also required to fill Annexure-10 duly signed by your Supervisor and Co-supervisor and pring it by hand on the same date and submit it to the undersigned.

Annexure-10 is attached herewith for your reference.

Thanks & regards,

Dr. Neha Kishore Coordinator, PhD MAIT Maharaja Agrasen University, Atal Shiksha Kunj, Vill. Kalujhanda Baddi (Distt. Solan)- 174 103 (H.P.) India Mob. No.- 07888458867



### Maharaja Agrasen Institute of Technology

PSP AREA, MAHARAJA AGRASEN CHOWK, SECTOR-22, ROHINI, DELHI- 110086

### Application for Earned Leave/Medical Leave/Casual Leave

1. Name	: Ravi Shaema	
2. Designation	. A.P.	
3. Department	: EEE	
4. Date of Joining MAIT	:01 Aug, 2015	
5. Earned Leave/Medical Le	eave/Casual Leave (Attach C	ertificate/s Where necessary)
From	: 22/01/2025	
То	: 22/61/2825	
No. of Days	:1	
6. Reason	: ph.D Present	MM
7. Contact address on Le	eave DIV, DUY	й
8. Contact Telephone No.	on Leave <u>9&amp;113</u> &76	72
	24/1/2	
Director/Dean	Head of Department	Signature of Applicant



### Maharaja Agrasen Institute of Technology

PSP AREA, MAHARAJA AGRASEN CHOWK, SECTOR-22, ROHINI, DELHI-1100
Application for Earned Leave/Medical Leave/Casual Leave

1. Name : Ms. Shashibala Aganual

2. Designation : Alst prof

3. Department : EEE

4. Date of Joining MAIT: 01/09/2011

5. Earned Leave/Medical Leave/Casual Leave (Attach Certificate/s Where necessary)

From: 17/04/25 (ON DUTY LEAVE)

To:

No. of Days: : 01

6. Reason : DRC (Jadtu)

7. Contact address on Leave Sector - 22 Robin'

Director / Dean

8. Contact Telephone No. on Leave\_

Head of Department

Signature of Applicant



### Indira Gandhi Delhi Technical University For Women (Established by Govt. of Delhi vide Act 09 of 2012) Kashmere Gate, Delhi-110006



Department of Electronics and Communication Engineering Ref. No. IGDTUW/ECE/DRC/2023/04

Dated: 15th April, 2025

### **NOTICE**

Subject: Schedule of 21st DRC for pre-submission Ph.D. seminar permission and Research progress presentation on 17th April, 2025.

The Pre-submission Ph.D. Seminar/Synopsis permission of the following research scholars of ECE department has been scheduled on 17th April, 2025 in the conference room, Administrative building, IGDTUW, as

S. No	amort	Name	Supervisor/ Joint Supervisor	Topic	Time
1.	01/08/2018	Pushpanjali Kumari	Dr. Richa Yada & Prof. S.R.N Reddy	Design and development of sensor fusion technique in IOT Enabled system	10.30 am
2.	01705022018/PT Registration Date: 05/12/2019	Garima	Prof. Nidhi Goel/ Dr. Neeru Rathee	EEG Signal Processing with Machine Learning	10.45 am
3.	Registration Date: 07/07/2020	Harshita Prasad	Prof. Ashwini Kumar	Power estimation of digital systems for FPGAs using machine learning	11.00 am
4	05405022019/PT Registration Date: 25/03/2021	Neeraj	Dr. Shobha Sharma/Prof. R. S. Gupta	Modeling, simulation characterization of nanowire (GAA) Field Effect transistor	11.15 am
	00905022019/SRF Registration Date: 25/03/2021	Isha Malhotra	Prof. Nidhi Goel	Dynamics of Infectious Disease: Modeling and Impact	11.30 am
	05305022019/PT Registration Date: 25/03/2021	Anushree	Prof. Jasdeep Kaur Dhanoa	Designing and performance improvement of bandgap reference circuit	11.45 am
1	Registration Date: 19/04/2022			Classification and Detection of Plant Diseases using machine learning and soft computing techniques.	

Research Progress Presentation of 5-10 minutes after 2.00 pm onwards for the following research scholars of ECE department has been scheduled on 17th April, 2025 in the conference room, Administrative building, IGDTUW, as per the details given below

Dept/ Enrolment		Supervisor/ Joint	Topic/Area
Number	Name	Supervisor	Christian Christian Christian
00305022018/PT	Ragini Sharma	Prof. Vandana Niranjan	MIMO Antenna Design using Substrate
Reg date:05/12/2019	9	Prof. V. K. Sachan	Integrated Circuits
01005022018/PT	Shraddha Sood	Prof. Vandana Niranjan	Microwave Dual- Band Bandpass Filter
Reg date:05/12/2019		Prof. V. K. Sachan	Design using Substrate Integrated Circuits (SICs)
01505022018/PT	Annu Dagar	Prof. Vandana Niranjan/	Microgrid Protection Prior and
Reg date:05/12/2019		Dr. Pankaj Gupta	Subsequent to Islanding
01605022018/PT		Prof. Jasdeep Kaur	Seizure Detection using Machine
		Dhanoa	Learning Model
		Prof. Nidhi Goel	Medical Image Analysis for Diagnosis of
			Cancer
		Prof. Jasdeep Kaur	Implementation of wideband MIMO
		Dhanoa/ Dr. Mukesh	antenna for sub-6 GHz applications
		Kumar Khandelwal	
00305022019/PT	M.	Prof. Vandana Niranjan	Analysis and recognition of Thermal
	A STATE OF THE PARTY OF THE PAR		Images in adverse weather conditions
			Modeling, Propagation and
	.,,	Parmod Kumar	Identification of Mental Stress
	Supriya Sharma		Dynamic Energy Management of Grid Tied Microgrid.
	00305022018/PT Reg date:05/12/2019 01005022018/PT Reg date:05/12/2019 01505022018/PT Reg date:05/12/2019 01605022018/PT Reg date:05/12/2019 00105022019/PT Reg date:15/09/2020 00205022019/PT Reg date:15/09/2020 00305022019/PT Reg date:15/09/2020	00305022018/PT Ragini Sharma Reg date:05/12/2019 01005022018/PT Shraddha Sood Reg date:05/12/2019 01505022018/PT Annu Dagar Reg date:05/12/2019 01605022018/PT Jigyasa Nayak Reg date:05/12/2019 00105022019/PT Jasmine Chhikara Reg date:15/09/2020 00205022019/PT Monika Kaushik Reg date:15/09/2020 00305022019/PT M. Reg date:15/09/2020 Tirupathamma 00405022019/PT Shashibala Reg date:15/09/2020 00805022019/PT Shashibala Reg date:15/09/2020 00805022019/PT Supriya Sharma	00305022018/PT Ragini Sharma Prof. Vandana Niranjan/Prof. V. K. Sachan  01005022018/PT Shraddha Sood Prof. Vandana Niranjan/Prof. V. K. Sachan  01505022018/PT Annu Dagar Prof. Vandana Niranjan/Prof. V. K. Sachan  01505022018/PT Annu Dagar Prof. Vandana Niranjan/Dr. Pankaj Gupta  01605022018/PT Jasmine Chhikara Prof. Jasdeep Kaur Dhanoa  00105022019/PT Annu Dagar Prof. Nidhi Goel  Prof. Jasdeep Kaur Dhanoa  00205022019/PT Monika Kaushik Prof. Jasdeep Kaur Dhanoa/Dr. Mukesh Kumar Khandelwal  00305022019/PT M. Prof. Vandana Niranjan  00405022019/PT Shashibala Dr. Marla Jamal/Prof. Parmod Kumar  00405022019/PT Shashibala Dr. Marla Jamal/Prof. Parmod Kumar  00805022019/PT Supriya Sharma Dr. Pankaj Gupta

10.	01005022019/PT	Shilpa Garg	Dr. Richa Yadav/Dr.	Optimal Designing of digital fractional
	Reg date:15/09/2020		Manjeet Kumar	Optimal Designing of digital fractional
11	05105022019/FT Reg date:	Surbhi Bharti	Prof. Ashwni Kumar	Improvement of Quality of Service Parameters of Memories for Multimedia Applications
12	05205022019/PT Reg date:	Neha Vaish	Gaurav Gupta	Aspect based Sentiment Analysis using Machine Learning
13	00105022020/PT Reg date:	Aakanksha Gupta	Prof. Ashwni Kumar	Efficient techniques/methods for lung disease detection and its classification using deep learning
14	00605022020/PT Reg date:	Jagrati Gupta	Dr. Shobha Sharma	Design and analysis of efficient and high performance VLSI based data processing systems
15	05205022020/FT Reg date:	Komal Duggal	Prof. Vaṇdana Niranjan	Design of CMOS Voltage References for Low Power VLSI Circuits
16	05305022020/JRF Reg date:	Megha Dua	Dr. Pankaj Gupta	Frequency Control of Microgrid Embedded with Converter based renewable energy resources
17	05405022020/PT Reg date:	Shalu Garg	Prof. Jasdeep Kaur	Analytical Modelling, Design and Simulation of Ferroelectric Field Effect transistor (FET) Architecture for High Erroguency Applications
18	00405022021/JRF Reg date:	Vaishali Kikan	Prof.Ashwini Kumar	Design and analysis of passive 5G mm- wave MIMO Antenna on low permittivity dielectric substrate
19	00305022021/JRF Reg date:	Ramsha Suhail	Dr. Richa Yadav	Performance Enhancement of digital circuits using low power techniques
20	00205022021/PT Reg date:	Nirma Peter	Prof. Nidhi Goel	Intelligent protection strategies for hybrid microgrid
21	00105022021/PT Reg date:	Diksha Singh	Prof. Nidhi Goel	Modeling and analysis of upconversion based green radio communication
22	00305022022/FT Reg date:	Sonam Yadav	Prof. Ashwni Kumar	Security enhancement of visible light communication (VLC) systems using hybrid OCDMA technique
23	00105022022/PT Reg date:	Mohini. Preetar Singh	nProf. Nidhi Goel	Facial expression detection and deduction of the relevant emotions
24	00205022022/PT Reg date:	Shipra Srivastav	a Dr. Kanchan Sharma	Design and analysis on electromagnetic metasurface assisted 5G MIMO antennas for cellular communication
25	00505022022/PT Reg date:	Vidhi Goswami	Dr. Richa Yadav and Joint supervisor: Prof. Brijesh Kumar	applications
26	00405022022/JRF Reg date:	Shambhavi Tiwa	riDr. Kanchan Sharma	communication system
27	00105022023/FT	Ms. Aruna Toma	Prof Brijesh Kumar	ha/Analysis of Organic Light Emitting Diode based Biosensor
28	00205022023/PT	Ms Bindia Sahu	Prof. Ashwni Kumar/ I Kanchan Sharma	Dr.Performance analysis of Multi-Channe Techniques in Wireless Communicatio System.
29	00405022023/PT	Ms Nirmala Pradhan	Dr. Greeshma Arya	A novel framework for IOT enable sustainable precision agriculture
30	00505022023/FT	Ms Shivya Srivastava	Dr. Greeshma Arya	Prediction based energy efficient an secure routing framework for underwate sensor network

All DRC members of ECE department, expert members, supervisors, all interested faculty members and research scholars are invited to attend the same.

> Dr. Kanchan Sharma DRC Coordinator (ECE)

Copy of same is forwarded through email to the following for kind information and necessary action, please

- Members of DRC ECE department
   All faculty members of ECE department
- iii) Student concerned
- iv) Notice board ECE department
- **Guard File**

The Director
Maharaja Agrasen Institute of Technology
Maharaja Agrasen Institute of Technology Roturi Sec-22
New Delhi
March 04, 2025
Subject: Request for grant of OD for paper presenta
Respected Ma'an
This is to inform you that my paper got selected in RAIT 2025, IEEE conference to be held from 06-08 March, 2025 at ISM (IIT) Dhanbad.
06-08 March, 2025 at ISM (IIT) Dhanbad.
The presentation of my paper is scheduled for March 07, 2025.
Kindly grant me OD for I day for the same.
Thanking You
Yours sincerely
/ Monika Chardwaj)
Monika Chardwaj  EEED, Arlo  July 25.

Search mail

Compose

Mail B

indox

Starred

Chat

Snoozed

Sent

Meet

More

Labels

6 Sem Assignments Cor...

BEE8 MCQs 20 May 2020

Final Year August 2...

Recipients

[

--- Forwarded message -----

From: Microsoft CMT < email@msr-cmt.org>

Date: Wed, 26 Feb, 2025, 6:22 pm

Subject: Urgent RAIT 2025 update: Important Information Regarding Your Presentation for the Conference

To: Monika Bhardwaj <monikagupta.eee@mait.ac.jn>

Dear Authors,

that the link may be updated with some changes, as it is a dynamic link. You can use the same link We are pleased to inform you that the schedule for your paper titled "Mental Health Monitoring Dev schedule.

https://drive.google.com/file/d/lL-NdoQdgu8M5RRyyjkvnk\_kyyqHB0t9O/view?usp=sharing

physical and virtual presentation procedures: We would like to provide some important details and instructions regarding your participation in t

Session Groups and WhatsApp Links:

GROUP 1 (GJLT-PTS): attached to this email. Please join the corresponding WhatsApp group based on your session number assigned Paper ID and session details. We have created separate groups for each session (both physical and virtual). You can find the ses

Fixed Wid...

Send

-		1	Date: 06/03/2	Venue		
Slots	Time 1	GJLT	SEMINAR HALL	CR-I		LAB-4
		GJI T-PTS, Session-1	VTS Seminar Hall, Session-2		CR-2	VIII, Sendon-1
Shet #1	2:30 PM - 3:45 PM	Cryptopraphy and Network Security (327, 398, 409, 476)	Al in Energy, Healthcare and Life Sciences (253, 96, 256, 289, 356,	Artificial Intelligence and Machine Learning	Image, Speech, and Video Processing (159,	Cyber Security (127, 290,
		Cyber Security (204)	362, 368, 411)	(556, 562, 569, 649, 675, 682, 696)	Image, Speech, and Video Processing (197, 199, 306) MISC (180, 474)	310, 352) MISC (574)
	1	GJLT-PTS, Sexsion-6	VTS, Session-7	VTS, Session-8	VTS, Session-9	VTS, Session-19
Stel E2	3 00 PM - 6:00 PM (86, 262, 298, 449, 502, 544) and Life Scie (396, 419, 420, 4		Al in Energy, Healthcare and Life Sciences (396, 419, 420, 481, 506	Sciences Processing	Image, Speech and Video Processing	Cyber Security (555) MISC- 183, 524, 683
	5	MISC (191,188)	(396, 419, 420, 481, 506, 521, 535, 536)	(300, 323, 344, 345, 428, 530, 673, 676)	Processing (357, 397, 400, 406, 416, 437)	Data Science and Big Data Analytics (283, 387)
	· confidence		Date: 07/03/20	100 100 100 100 100 100 100 100 100 100		W. T. L. A.
			T	Venue	A CONTRACTOR OF THE CONTRACTOR	LAB-4
Slets	Time	GJLT	SEMINAR HALL	CR-1	CR-2	and the same of the format of the
	1	GJLT-PTS, Session-11	VTS, Session-12	VTS, Session-13	VTS. Session-14	VTS, Session-15
		Artificial Intelligence and Machine	Application of IT in various  Domains	AI in Energy, Healthcare and Life Sciences (674)	Image, Speech and Video	Application of IT in various
Stot #1	10:00 AM - 11:30 AM	30 AM Learning (329, 330, 331, 333, 525)	(117, 118, 189, 213, 353, 711)	Artificial Intelligence and Machine Learning (5, 21, 71, 84, 90, 155, 187, 538)	Processing (442, 453, 471, 510, 511, 513)	(246, 376, 384, 445, 541)
		GJLT-PTS, Session-16	VTS, Session-17	VTS, Session-18	VTS, Session-19	VTS, Session-20
lot #2	11:45 AM - 12:45 PM	Artificial Intelligence and Machine Learning	Artificial Intelligence and Machine Learning (231, 260, 270, 284, 321,	Pattern Recognition and Machine Learning (381, 382,703)	Image, Speech and Video Processing (518, 558, 680)	Computing in Sustainable development (224, 443)
	-	(358, 465, 466, 467, 488 (533)	338)	Robotic Process  Automation (88, 222, 308, 689)	Signal Processing and VLSI for Signal Processing (436, 484, 678, 568)	IOT in practice ( 472, 685, 709)
		GJLT-PTS, Session-21	VTS, Session-22	VTS, Session-23	VTS, Session-24	VTS, Session-25
		Blockchain Technology and Digital  Twins	Artificial Intelligence and	MISC (512, 492, 571, 404, 389)		MISC (708,175, 177, 313)
lot #3	3:15 PM - 5:30 PM	(554) Cyber Security (692) MISC (312, 681, 178)	Machine Learning (305, 372, 388, 390, 549, 550, 539)	Natural Language Processing(701)	MISC (421, 468, 225, 691)	IOT model and Model Checking (429, 508)
		GJLT-PTS, Session-26	VTS, Session-27	VTS, Session-28	VTS, Session-29	VTS, Session-30
	1	Optimization Techniques (489, 531, 677)	Artificial Intelligence and Machine	Biomedical Engineering (240, 259,	MISC (296, 500) Big Data Security and	
los#4	5:45 PM - 6:15 PM	NLP (439)	Learning (487, 493, 499, 505, 514, 515,	458) Computer Vision and Applications (19,	Privacy Issues (495, 557, 704) Blockchain	MISC (315, 334, 339, 348, 383)
	1	Robotic Process Automation (477)	516, 693, 694)	47)	Technology and Digital Twins (209, 241)	, , ,
STIFE.	TEGERALIA.	ENVERON STATE OF STATE	Date: 08/03/202		STATE OF THE PARTY OF THE PARTY.	K BERGODAF BERGODA
	!	GJLT	SEMINAR HALL	CR1	CR-2	LAB-4
	9	GJLT-PTS, Session-31	VTS, Session-32	VTS, Session-33	VTS, Session-34	VTS, Session-35
	10.00 414 12.2001	Data Science and Big Data Analytics (706)		Computer Vision and Application	Blockchain Technology and Digital Twins	
lot#1	10:00 AM - 12:30PM	Computer Vision and Applications (281, 523, 564, 707)	Artificial Intelligence and Machine Learning (407, 408, 520, 522, 542, 551, 552, 553)	(172, 206, 258, 337, 430, 434)  Image, Speech and Video Processing	(695)  Cryptography and Network Security(169,	MISC (684, 504)



### Maharaja Agrasen Institute of Technology

PSP AREA, MAHARAJA AGRASEN CHOWK, SECTOR-22, ROHINI, DELHI- 110086

### Application for Earned Leave/Medical Leave/Casual Leave

1. Name	: Ravi Shaemu	da chi
2. Designation	: A.C.	4 6
3. Department	EEE	200
4. Date of Joining MAIT	01 Aug 2015	
•	eave/Casual Leave (Attach Certificate/s \	Where necessary)
From	: 22/01/2025	
То	: 22/61/2015	
No. of Days	:1	
6. Reason	: 1h.D Presentation	
7. Contact address on Le	ave DIU, Delhi	
	on Leave <u>9811387672</u>	
	du 27/1/25 (2000)	Ne
Director/Dean	Head of Department Signatur	e of Applicant

### DEPARTMENT OF LEFT TRICAL ENGINEERING DELHI FECHNOLOGICAL UNIVERSITY (LORMERLY DELHI COLLEGE OF ENGINEERING) BAWANA ROAD DELHI - 110042

+ EED/Ph.D./2025/1645

Date: 16-01-2025

### Ph.D. Progress Seminar Notice

The Ph.D. Progress Seminar will be held on 21-01-2025 and 22-01-2025. All Ph.D. scholars are required to:

- Give a ten-minute power point presentation of the research work carried out during the last six months. They are required to submit the hard copy of their presentation in the office of Head. EED
- Submit the hardcopy of the proforma for progress report duly signed by their respective supervisor(s) in the office of Head. FFD on the day of their presentation:

(Prof. Rachana Garg)

Head,

Electrical Engineering Department

Copy to

1. All Faculty Members (EED)

2. All Ph.D. Scholars (CED)

### Department of Electrical Engineering

### Delhi Technological University

### Ph.D. Six Month Progress Seminar (Aug-Dec.2024)

5.	Prof. Mukhtiar Singh	1. Nimmi (PT) 2K19/PHDEE/02	, ,	Prof. J.N. Rai	Naokant Deo	Prof Dheeral Joshi	22 Jan 2025 1:00 AM to 12:00 PM EVRT Conference Room EED
		2. Ravi Sharma (PT) 2K19/PHDEE/09				Valluru Dr. Prem Prakash	Koom ECO
		3. Kuldeep Singh (PT) 2K19/PHDEE/14	Prof. S.K. Valluru			Fidkasii	
		4. Krishna Bhushan Sahay (PT) 2K18/PHDEE/13		Naokant			
	-	5. Gaurav Yadav (FT) 2K21/PHDEE/17					
		6 Ashish Chandra (PT) 2K21/PHDEE/20	200	P			
		7 Philemon Yegon (Foreign) 2K21/PHDEE/24	38-8	t san			
		21/21/11/2007		A *	1 2 6	Prof. Vishal	22 Jan 2025
	Prof. Dheeraj Joshi	1. Mr. Kailash Rana (PT) 2K18/PHDEE/506		Prof. Rachna Garg	Prof. Rajeshwar i Pandey	Verma	12:00 PM to 12:50 PM EVRT
		2. Mr. Manas Taneja (PT) 2K17/PHDEE/18				Prof. S. Bhowmick	Conference Room EED
		3. Ms. Ritambhra Katoch (PT) 2K20/PHDEE/12	1500 g			Dr. D.C Meena	
	NAME OF THE PROPERTY OF THE PR	4. ASHUTOSH (FT) 2K20/PHDEE/504		Prof. Narendra Kumar-II	Prof. Qasin Murtaza	Dr. Anup Mandpura	

### EEE DEPARTMENT OD FORM

NAME: <u>Udayan Kuman Tha</u> DESIGNATION: <u>Associate Professio</u>
DESIGNATION TO THE PROPERTY OF
PURPOSE PhD Six-monthly presentation at Mari
OD (Taken in Current Semester)
30/1/25. CTAFF MEMBEFS

SIGNATURE OF HOD

SIGNATURE OF FACULTY /STAFF MEMBER'S



### Fwd: Six Monthly Progress Presentation Schedule

1 message

Udayan Jha <uki26.uj@gmail.com> To: Suresh Kumar Patyal <patyalsk@gmail.com> Thu, Jan 30, 2025 at 4:01 PM

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

From: phd mait <phdmait2023@gmail.com>

Date: Wed, Jan 8, 2025, 11:11 AM

Subject: Six Monthly Progress Presentation Schedule

To: raj <raj\_1984\_mca@yahoo.com>, Upinder Kaur <upinder1981@gmail.com>, <madhuanand87@yahoo.com>,

Mohit Dayal <mohitdayal.md@gmail.com>, lateshwari chauhan lizu.chauhan31@gmail.com>,

<moudgil16@gmail.com>, <bharat.pnp@gmail.com>, Ashok Kaushik <ashok275428@gmail.com>, Namita Goyal

<er.namitagoel@gmail.com>, ambitionnegi <ambition.negi@gmail.com>, Kanika <kanikaks1441@gmail.com>, <meenakshikondal3@gmail.com>, Nidhi Walia <nidi1990@gmail.com>, Gaurav Dutt <gauravdut@gmail.com>,

<jsihmario@gmail.com>, swarn singh <swarnsinghsony@gmail.com>, <aebby07@gmail.com>, Udayan Jha <ukj26.uj@gmail.com>, Dimple Saproo <dimplesaproo@gmail.com>, Neha Gupta <nehagupta2589@gmail.com>,

Visha Sharma <er.nishasharma89@gmail.com>, ishan thakur <ishan.capricorn9001@gmail.com>, lucky sharma luckysharma98055@gmail.com>, Samarth Wadhwa <swsam21@gmail.com>, <muneshdutt05@gmail.com>

Cc: Director MAIT < directormait 2014@gmail.com >

Dear Research Scholars,

Greetings!!

This is to inform you that your Ph.D six monthly progress presentation is scheduled on 18th Jan, 2025 (Saturday).

Please find attached the schedule for the same. All are requested to be present with their presentation as per the schedule attached.

You are also informed to submit the scanned copy of Annexure 9 (attached with this email) before 14th Jan, 2025 and carry the hardcopy of Annexure-9 at the time of your presentation. The details of the presentation is as follows:-

Date: 18th Jan, 2025 Time: 10:00 am onwards

Venue: Smart Room.(A-107) and Board Room (A-102) MAIT

ote:- The Annexure-9 must be duly signed by your supervisor & Co-supervisor (Mandatory).

Please reply back on this mail ID only.

Thanks & regards,

Dr. Neha Kishore Coordinator, PhD MAIT Maharaja Agrasen University, Atal Shiksha Kunj, Vill. Kalujhanda Baddi (Distt. Solan)- 174 103 (H.P.) India Mob. No.- 07888458867

The scheduld presentation was postponed to 27/1/2025

(U. K. The)

2 attachments

### EEE DEPARTMENT

### OD FORM

NAME: Lalit Agarwal	
DESIGNATION: Assistant Professor	
DATE 21/01/2025	
PURPOSE PhD progress Report.	
OD (Taken in Current Semester)	

SIGNATURE OF HOD

SIGNATURE OF FACULTY /STAFF MEMBER

### Engineering

### Delhi Technological University

### Ph.D. Six Month Progress Seminar (Aug-Dec.2024)

I Post Mini Secolath		
Prof. Mini Sreejeth		21 Jan 2025 11:00 AM to 11:30 AM
	CONTRACTOR OF STATE O	Project & Research Lab, EED
	The state of the s	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Prof. M. Rizwan	1. Rahma Aman (FT)	21 Jan 2025
	2K21/PHDEE/08	11:30 AM to 12:10 PM
		UEE Cabin
,		
	3. Mis Lipika Dutta (PT)	
	2K20/PHDEE/512	
		•
		-
, ,		
Dr. Bhaynesh Jaint	1. Lalit Agarwal (PT)	21 Jan 2025
DI. Dila i il dina	2K19/PHDEE/12	12:10 PM to 12:40 PM
	2. SHOBANA.R (PT)	UEE Cabin
	2K20/PHDEE/509	
	3 Javed Ahmad(FT)	
Prof Vinod Kumar Yaday	1. Mr. Nikhil Kushwaha(PT)	22 Jan 2025
Tion, Vinda Italian	2K18/PHDEE/16	02:00 PM to 03:00 PM EVRT Conference Room EED
	2 Mr. Manigh Kumar Singh (PT)	EVRI Comerciae Room 222
- / *	2K20/PHDEE/14	·
	21(20/1110)25.11	
		-
	4. Ms. Shalu	1 =
	(PT)2K20/PHDEE/507	-
	5. Anshika Pathak (FT)	1.3 163 4
		22 Jan 2025
Dr. D.C. Meena	1, Mond Familian(11)	01:40 PM to 02:00 PM
	2. Mohit Tyagi (PT)	EVRT Conference Room EED
	1 Z. MOHIL I YAYI (I 17	
	2K22/PhDEE/502	
	2K22/PhDEE/502	
	2. Monte Tyagret Ty 2K22/PhDEE/502 3. Bajrangi Maurya 2k23/PhDEE/	
	2K22/PhDEE/502  3. Bajrangi Maurya 2k23/PhDEE/	
Dr. PremPrakash	2K22/PhDEE/502 3. Bajrangi Maurya 2k23/PhDEE/  1. Kashika Baranwal (FT)	22 Jan 2025
Dr. PremPrakash	2K22/PhDEE/502 3. Bajrangi Maurya 2k23/PhDEE/  1. Kashika Baranwal (FT) 2K21/PHDEE/10	22 Jan 2025 01:40 PM to 02:00 PM
Dr. PremPrakash	2K22/PhDEE/502 3. Bajrangi Maurya 2k23/PhDEE/  1. Kashika Baranwal (FT) 2K21/PHDEE/10 2. Ishita Sharma (PT)	22 Jan 2025
Dr. PremPrakash	2K22/PhDEE/502 3. Bajrangi Maurya 2k23/PhDEE/  1. Kashika Baranwal (FT) 2K21/PHDEE/10 2. Ishita Sharma (PT) 2K21/PHDEE/23	22 Jan 2025 01:40 PM to 02:00 PM
Dr. PremPrakash	2K22/PhDEE/502 3. Bajrangi Maurya 2k23/PhDEE/  1. Kashika Baranwal (FT) 2K21/PHDEE/10 2. Ishita Sharma (PT) 2K21/PHDEE/23 3. Priyanka Hooda (FT)	22 Jan 2025 01:40 PM to 02:00 PM
Dr. PremPrakash	2K22/PhDEE/502 3. Bajrangi Maurya 2k23/PhDEE/  1. Kashika Baranwal (FT) 2K21/PHDEE/10 2. Ishita Sharma (PT) 2K21/PHDEE/23	22 Jan 2025 01:40 PM to 02:00 PM
Dr. PremPrakash	2K22/PhDEE/502 3. Bajrangi Maurya 2k23/PhDEE/  1. Kashika Baranwal (FT) 2K21/PHDEE/10 2. Ishita Sharma (PT) 2K21/PHDEE/23 3. Priyanka Hooda (FT) 2K21/PHDEE/514 4. Gaurav Srivastava (PT)	22 Jan 2025 01:40 PM to 02:00 PM
Dr. PremPrakash	2K22/PhDEE/502 3. Bajrangi Maurya 2k23/PhDEE/  1. Kashika Baranwal (FT) 2K21/PHDEE/10 2. Ishita Sharma (PT) 2K21/PHDEE/23 3. Priyanka Hooda (FT)	22 Jan 2025 01:40 PM to 02:00 PM
	Prof. M. Rizwan  Dr. Bhavnesh Jaint  Prof. Vinod Kumar Yadav  Dr. D.C. Meena	2K20/PHDEE/506   2. Ompal Yadav (FT) 24/PHDEE/03

### OD for PAD convocation Maharaja of Agrasen Institute Technology

PSP AREA, MAHARAJA AGRASEN CHOWK, SECTOR-22, ROHINI, DELHI-1100 Application for Earned Leave/Medical Leave/Casual Leave

1. Name : <u>Roonam Juneja</u>
2. Designation : AP
3. Department : <u>QCC</u>
4. Date of Joining MAIT: 21 July 2011
5. Earned Leave/Medical Leave/Casual Leave (Attach Certificate/s Where necessary)
From: 19/12/2024
To: 19/12/2024
No. of Days: :
6. Reason : DTU PhD Convocation :
Choop attached)
7. Contact address on Leave Plot No - 14, Sec - 4, Dwarka
8. Contact Telephone No. on Leave <u>8800618584</u>

Director / Dean

Head of Department

Signature of Applicant



### The Vice Chancellor, Members of the Board of Management & the Academic Council DELHI TECHNOLOGICAL UNIVERSITY, DELHI

विकसित श्रभारत

Solicit the pleasure of your gracious presence

at

### II<sup>th</sup> Convocation

of the University

### Shri Vinai Kumar Saxena

Hon'ble Lt. Governor, Delhi and Chancellor, DTU will preside over the Convocation

### Dr. Anil Kakodkar

Former Chairman, Atomic Energy Commission, India will be the Chief Guest and deliver the Convocation Address

### Ms. Atishi

Hon'ble Chief Minister, Govt. of NCT of Delhi will be the Guest of Honour

### Thursday, December 19, 2024 | 11:00 AM



Dr. B.R. Ambedkar Auditorium

R.S.V.P Registrar

registrar@dtu.ac.in Ph: 011-27294669

- Please bring this card with you. This card is non-transferable.
- \* You are requested to be scated latest by 10,30 A.M.
- \* Keep your mobile in switch off/silent, mude during the program
- \* Hemo such as hand bags, briefdasos, cameras, weapons, catables, ambrehas tite the not also ked to be the Auditors be
- \* Please do not leave the Auditorium umil the Convocation to over and the Addrigancy Physics sharper of the auditor.

### ffmail

### Subject: Invitation for Golden Pride Dinner (December 18, 2024) and 11th Convocation Ceremony (December 19, 2024) organized by DTU Trasha

From: Trasha Gupta <trashagupta@dtu.ac.in> on Wed, 11 Dec 2024 21:51:59

To: undisclosed-recipients:;

4 attachment(s) - Convocation\_1.jpeg (132.36KB), Golden\_Pride\_Function\_2.jpeg (159.49KB), Convocation\_2.jpeg (139.19KB), Golden\_Pride\_Function\_1.jpeg (189.08KB)

Dear Ph.D. Degree Recipient,

### A Warm Greetings!!

With immense pleasure, we, hereby, inform you that your alma mater, Delhi Technological University, Delhi, is organizing its 11th Convocation Ceremony on December 19, 2024. Also, the Golden Pride Function is being organized on the evening of December 18, 2024 (4:30 P.M. onwards) in honor of recipients of Ph. D. Degrees, Gold Medals, and Merit Scholarships of the University.

On behalf of the organizing committee, we take this opportunity to cordially invite you along with your parents/spouse to Golden Pride Function. You are also invited to the Convocation Ceremony to receive your degree as per the schedule.

Please find attached the invitation card for the Convocation ceremony and Golden Pride Function for rest of the information pertaining to the schedule of the function. Also, the general guidelines are attached for your reference and smooth functioning of the event. The details of the schedule for rehearsal and briefing of the function will be provided through the University website.

Golden Pride Function Reporting Time - 3:30 PM, December 18, 2024, 11th Convocation Ceremony Reporting Time (inside Dr. B. R. Auditorium) - 9:00AM, December 19, 2024.

Kindly ensure that you mark your attendance near stage area on convocation day (December 19, 2024) at 9:00 A.M. and be seated at your respective place by 9:30 A.M., precisely.

I hope it will be convenient for you to be present and grace the occasion.

With Best wishes
On behalf of the organizing team
11th Convocation Ceremony and Golden Pride Function, 2024



### Maharaja of Agrasen Institute Technology

PSP AREA, MAHARAJA AGRASEN CHOWK, SECTOR-22, ROHINI, DELHI-1100 Application for Ea<del>rned Leave/Medical Leave/Casual Leav</del>e

OD For Conference

2. Designation : AMOCICLE Professor  3. Department : EEE  4. Date of Joining MAIT: 01 08 2006  5. Earned Leave/Medical Leave/Casual Leave (Attach Certificate/s Where necessary)  From: 20.12. 2024  To: 20.12. 2024  No. of Days: 01  6. Reason : Bo To herest laps at  SIGMA 2024.  7. Contact address on Leave 504 126-1, Vi horpen  8. Contact Telephone No. on Leave 4212324349	1. Name : Dr. Cunil K. Pancey
4. Date of Joining MAIT: 01 08 2006  5. Earned Leave/Medical Leave/Casual Leave (Attach Certificate/s Where necessary)  From: 20.12.2024  To: 20.12.2024  No. of Days:: 01  6. Reason : From To Present Capes at SIGMA 2024.  7. Contact address on Leave 504 166-1, Vi horpen	2. Designation : Alloacte Projection
5. Earned Leave/Medical Leave/Casual Leave (Attach Certificate/s Where necessary)  From: 20.12.2024  To: 20.12.2024  No. of Days: : 01  6. Reason : From To Present Capes at SIGMA 2024.  7. Contact address on Leave 504 166-1, Vi horpin	3. Department : EEE
From: 20.12. 2024  To: 20.12. 2024  No. of Days:: 01  6. Reason : Boo To Present Capes ont  SIGMA 2024.  7. Contact address on Leave 504 166-1, Vi horpen	4. Date of Joining MAIT: 01/08/2006
No. of Days: : 01  6. Reason : Bo To herent lakes at  SIGMA 2024.  7. Contact address on Leave 504 166-1, Vi horpen	5. Earned Leave/Medical Leave/Casual Leave (Attach Certificate/s Where necessary)
No. of Days: :_ 01  6. Reason : Boo To Present lakes at  SIGMA 2024.  7. Contact address on Leave 504 166-1, Vi horpin	From: 20.12, 2024
6. Reason : Bo To Present Paper at  SIGMA 2024.  7. Contact address on Leave 504 166-1, Vi hopen	To: 20.12.2024
SIGMA 2024.  7. Contact address on Leave 504 166-1, Vi hopen	No. of Days: :01
7. Contact address on Leave 504 166-1, Vi hopen	6. Reason : Box To Present lakes out
	SIGMA 2024.
8. Contact Telephone No. on Leave 9212324349	7. Contact address on Leave 504 166-1, Vi hopen
	8. Contact Telephone No. on Leave <u>\$212324349</u>

Director / Dean

Head of Department

Signature of Applicant



### Maharaja Agrasen Institute of Technology

PSP AREA, MAHARAJA AGRASEN CHOWK, SECTOR-22, ROHINI, DELHI- 110086

### Application for Earned Leave/Medical Leave/Casual Leave

1. Name	: Shashibala Agarwal
2. Designation	. Asst prof
3. Department	: <u>EE</u> 6
4. Date of Joining MAIT	. 01/09/2011
5. Earned Leave/Medical Lo	eave/Casual Leave (Attach Certificate/s-Where necessary)
From	: 13/11 (OD)
То	: 13/11
No. of Days	: 01 day
6. Reason	: DRG progress
7. Contact address on Le	eave Sector -22, Rohini
8. Contact Telephone No	0099106897
	24/11/24
Director/Dean	Head of Department Signature of Applicant



### Indira Gandhi Delhi Technical University For Women (Established by Govt. of Delhi vide Act 09 of 2012) Kashmere Gate, Delhi-110006



### Department of Electronics and Communication Engineering

Ref. No. IGDTUW/ECE/DRC/2023/03

Dated: 08th November, 2024

### **NOTICE**

### Subject: Schedule of 20<sup>th</sup> DRC for pre-submission Ph.D. seminar permission and Research progress presentation on 13<sup>th</sup> November, 2024.

The Pre-submission Ph.D. Seminar/Synopsis permission of the following research scholars of ECE department has been scheduled on 13<sup>th</sup> November, 2024 as per the details given below

S. No.	Number	Name	Supervisor/ Joint Supervisor	Topic	Time
1.				Design and development of sensor fusion technique in IOT Enabled system	10.00 am
2.	05405022019/PT			Modeling, simulation characterization of nanowire (GAA) Field Effect transistor	10.15 am
3.	00905022019/SRF	Isha Malhotra	1	Dynamics of Infectious Disease: Modeling and Impact	10.30 am
4	05305022019/PT	Anushree		Designing and performance improvement of bandgap reference circuit	10.45 am
5	01705022018/PT	Garima	Prof. Nidhi Goel/ Dr. Neeru Rathee	EEG Signal Processing with Machine Learning	11.00 am

Research Progress Presentation of 5-10 minutes after 11.15 am onwards for the following research scholars of ECE department has been scheduled on 13<sup>th</sup> November, 2024 as per the details given below

S. No	Dept/ Enrolment Number	Name	Supervisor/ Joint Supervisor	Topic/Area
	00305022018/PT Reg date:05/12/2019		Prof. V. K. Sachan	MIMO Antenna Design using Substrate Integrated Circuits
2.			Prof. Vandana Niranjan/ Prof. V. K. Sachan	Microwave Dual- Band Bandpass Filter Design using Substrate Integrated Circuits (SICs)
3.	01505022018/PT Reg date:05/12/2019	Annu Dagar	Dr. Pankaj Gupta	Microgrid Protection Prior and Subsequent to Islanding
4.	01605022018/PT Reg date:05/12/2019	Jigyasa Nayak		Seizure Detection using Machine Learning Model
5.	00205022018/FT Reg date:07/07/2020	Harshita Prasad		Power estimation of digital systems for FPGAs using machine learning
6.	00105022019/PT Reg date:15/09/2020	Jasmine Chhikara		Medical Image Analysis for Diagnosis of Cancer
7.	00205022019/PT Reg date:15/09/2020	Monika Kaushik		Implementation of wideband MIMC antenna for sub-6 GHz applications
8	00305022019/PT Reg date:15/09/2020	M. Tirupathamma	Prof. Vandana Niranjan	Analysis and recognition of Thermal Images in adverse weather conditions
9	00405022019/PT Reg date:15/09/2020	Shashibala Agarwal	Dr. Maria Jamal/ Prof Parmod Kumar	Modeling, Propagation and Identification of Mental Stress
10.	00505022019/PT Reg date:15/09/2020	Manjari	Dr. Maria Jamal	Enhanced Performance analysis of PV module under various shading conditions
11	00805022019/PT Reg date:15/09/2020	Supriya Sharma	Dr. Pankaj Gupta	Dynamic Energy Management of Grid Tied Microgrid.
12	01005022019/PT Reg date:15/09/2020	Shilpa Garg	Dr. Richa Yadav/Dr. Manjeet Kumar	Optimal Designing of digital fractional
13	05105022019/FT Reg date:	Surbhi Bharti	Prof. Ashwni Kumar	Improvement of Quality of Service Parameters of Memories for Multimedia Applications

	05205022019/PT	Neha Vaish	Prof. Nidhi Goel/Dr.	
4	0520502201311		THOM SOUNDING	Aspect based Sentiment Analysis using Machine Learning
	Reg date:		to the second se	Aller and the second se
5	05505022019/FT	Geetanjali Ralh	Dr. Shobha Sharma/ Dr.	Reliability assessment and health
C	0550502201011	Singh	Cherry Bhargava	monitoring of electronic components
	Reg date:			using machine learning
	00105022020/PT	Aakanksha Gupta l	Prof. Ashwni Kumar	Efficient techniques/methods for lung
7	001050220207			disease detection and its classification
	Reg date:			using deep learning
	00605022020/PT	Jagrati Gupta	Dr. Shobha Sharma	Design and analysis of efficient and high
8	0060502202011			performance VLSI based data
	Reg date:	The second second second second	and the second s	processing systems
	05105022020/FT	Astha Sharma	Prof. Ashwini Kumar	Classification and Detection of Plant
9	05105022020/1			Diseases using machine learning and
	Reg date:			soft computing techniques.
		Komal Duggal	Prof. Vandana Niranjan	Design of CMOS Voltage References for
20	05205022020/FT	Komai 2 - 55		Low Power VLSI Circuits
	Reg date:		- Duntai Cunta	Frequency Control of Microgrid
	05305022020/JRF	Megha Dua	Dr. Pankaj Gupta	Embedded with Converter based
21		1		Emboddod min obmont
	Reg date:			renewable energy resources  Analytical Modelling, Design and
		Shalù Garg	Prof. Jasdeep Kaur	
22	05405022020/PT	Straid Sary		Simulation of Ferroelectric Field Effect
	Reg date:			transistor (FET) Architecture for High
				Frequency Applications
		L. L. I. Kilon	Prof.Ashwini Kumar	Design and analysis of passive 5G mm-
23	00405022021/JRF	Vaishali Kikan	1 101111	wave MIMO Antenna on low permittivity
	Reg date:		*	dielectric substrate
			Dr. Richa Yadav	Performance Enhancement of digital
24	00305022021/JRF	Ramsha Suhail	Dr. Richa radav	circuits using low power techniques
24	Reg date:		Prof. Nidhi Goel	Intelligent protection strategies for hybrid
25	00205022021/PT	Nirma Peter	Prof. Nidili Goei	microgrid
23	Reg date:			Modeling and analysis of upconversion
26	00105022021/PT	Diksha Singh	Prof. Nidhi Goel	based green radio communication
20	Reg date:	, .		Security enhancement of visible light
0.7	00305022022/FT	Sonam Yadav	Prof. Ashv/ni Kumar	communication (VLC) systems using
27				communication (VEC) systems doing
	Reg date:			hybrid OCDMA technique
_	20405000000/DT	Mohini Preet	am Prof. Nidhi Goel	Facial expression detection and
28	00105022022/PT	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		deduction of the relevant emotions
	Reg date:	Singh	ava Dr. Kanchan Sharma	Design and analysis on electromagnetic
29	00205022022/PT	Snipra Snvast	ava Di. Italionan Cham	metasurface assisted 5G MIMO
	Reg date:	,		antennas for cellular communication
			i Dr. Richa Yadav a	
30	00505022022/PT	Vidhi Goswam		
	Reg date:		Joint supervisor: F	
		4	Brijesh Kumar	applications  applications  applications  applications  applications
31	00405022022/JR	F Shambhavi Ti	wari Dr. Kanchan Sharm	la   Criorinario
٦,	Reg date:			communication system
20	00105022023/FT	Ms. Aruna To	mar Dr. Kanchan SI	narma/Analysis of Organic Light Emitting Diod
32	00103022023/F1	1713. / 11 41 14	Prof Brijesh Kuma	r based Biosensor
$\vdash$		Ms Bindia Sa	bu Prof Achumi Kum	ar/ Dr.Performance analysis of Multi-Chann
33	00205022023/PT	ivis bindia Sa	Kanchan Sharma	Techniques in Wireless Communication
			nanchan Sharma	
				System.
34	00405022023/P7	Γ Ms Nirmala	Dr. Greeshma Ary	A novel framework for IOT enabl
1		Pradhan		sustainable precision agriculture
35	00505022023/F7		Dr. Greeshma Ary	Prediction based energy efficient a
33	0000002202011	Srivastava		secure routing framework for underwa
		Onvasiava	5.1	sensor network
1				sellist network

All DRC members of ECE department, expert members, supervisors, all interested faculty members and research scholars are invited to attend the same.

> Dr. Kanchan Sharma DRC Coordinator (ECE)

Copy of same is forwarded through email to the following for kind information and necessary action, please

- i) Members of DRC ECE department
- ii) All faculty members of ECE department
- iii) Student concerned iv) Notice board ECE department
- v) Guard File

### Maharaja of Agrasen Institute Technology

१०४ के 2 हैं २०१४ में निकास १०८४ मनोर्स PSP AREA, MAHARAJA AGRASEN CHOWK, SECTOR-22, ROHINI, DELH:-110083 Application for Earned Leave/Medical Leave/Casual Leave

1. Name :	Supriya Sharing
2. Designation :	API
3. Department	EEB
Date of Joining MAIT :	17/11
5. Earned Leave/Medical Leav	/e/Casual Leave (Attach Certificate/s Where necessary)
From :	13/11/24
То :_	13/11/29
No. of Days:	: Ore
6. Reason	PhD Presentation
7. Contact address on Leave	
8. Contact Telephone No. o	on Leave 9990072307

Director /Dean

Head of Department

Signature of Applicant



### Indira Gandhi Delhi Technical University For Women (Established by Govt. of Delhi vide Act 09 of 2012) Kashmere Gate, Delhi-110006



### Department of Electronics and Communication Engineering

Ref. No. IGDTUW/ECE/DRC/2023/03

Dated: 08th November, 2024

### **NOTICE**

Subject: Schedule of 20th DRC for pre-submission Ph.D. seminar permission and Research progress presentation on 13th November, 2024.

The Pre-submission Ph.D. Seminar/Synopsis permission of the following research scholars of ECE department has been scheduled on 13th November, 2024 as per the details given below

The Pre-submission Ph.D. o	h November, 2024 as	per the detaile 9	
The Pre-submission Ph.D. 3 department has been scheduled on 13	Moverno	Topic	Time
department has been con-	inar/Ioint	Topic	
3.7 2	- Court Argory		
<b>Enrolment</b> Name	Supervisor		
S. Number		Design and development of sensor	10.00 am
	Yoday/	Design and development of Soller	1
No. Pushpanjali		Design and development of school fusion technique in IOT Enabled system	
1. 00305022017/FT Pushpanjall	Prof. S.R.N Reddy	dolor.	10.15 am
1. 003030223 T. Kumari		/Modeling, simulation characterization	
Negrai	Dr. Shobha Sharma	// Modeling, simulation characterization of nanowire (GAA) Field Effect transistor	10.30 am
2. 05405022019/PT Neeraj	Prof. R. S. Gupia	Dynamics of Infectious Disease:	10.00
		Dynamics of fine act	1
3. 00905022019/SRFIsha Malhotr	a   101.11.	Modeling and Impact	1 1
3. 1009050220 (9/3/11)			10.45 am
		aur Designing and performance	10,45 8111
	Det Jasdeen Ka	jmprovement of bandgap reference	
4 05305022019/PT Anushree		improvement of bandgap rolls	
4 05305022013/1	Dhanoa	circuit Machi	ne 11.00 am
		Dr. EEG Signal Processing with Machi	10
	Prof. Nidhi Goel/	Dr.EEG Signer	_1
5 01705022018/PT Garima			
3 0,1000	ive of 5.10 minu	ites after 11.15 am unwarden details given	below
Descarch Progress Pres	sentation of 5210 miles	Learning  Ites after 11.15 am onwards for the following November, 2024 as per the details given Topic/Area	
Research 199	been scheduled off 15	Topic/Are	a

scholars of ECE department has been scheduled on 13th November, 2024 as per the details given below

Research Progress Presontal Schedule	ed on 13th November, 2024 as t	1.18.02
Research Progress Presonted scholars of ECE department has been schedule	Supervisor/ Joint	Topic/Area
Dont/ Enrolment	Supervisor	
Name		

Guard File

iv) Notice board ECE department

Student concerned (!!!

All faculty members of ECE department

Members of DRC ECE department

Copy of same is forwarded through email to the following for kind information and necessary action, please DRC Coordinator (ECE) Dr. Kanchan Sharma

	scholars are invited to attend the same.
all interested faculty members and research	All DRC members of ECE department, expert members, supervisors,
ecure routing framework for underwater secure routing framework for underwater senact network	Sybjebyh2

Ao, The Director MAIT, Delli

Application for on duty leave

Resp/makons,
Kindly allow me as a Jury member at mini - Anveshana 2024 at AKGEC, Ghaziabad on 8th & 9th October, 2024.

Thanking you.

(Shalli borlon Aganwal) EEE dept

ENclosure 8i) Invitation mail.



### nvitation to Serve as a Jury Member at Mini -Anveshana 2024

Sandeep Yadav <anveshana.north1@agastya.org> To: Shashibalaagarwal <shashibalaagarwal@mait.ac.in> Cc: Vikash Tiwari < vikashtiwari@agastya.org>

Sun, Oct 6, 2024 at 2:19 AM

Dear Shashibala madam,

I am writing to cordially invite you to join us as a esteemed jury member for the upcoming Mini Anveshana, a two day science and engineering competition to be held at Ajay Kumar Garg College of Engg., Ghaziabad, Uttar Pradesh. Your expertise and insights would be invaluable in evaluating the projects presented by our talented students. We believe your participation will significantly enhance the quality of the competition and inspire the young minds involved.

To assist you in your evaluation, I have attached the jury evaluation sheet. Please review it at your earliest convenience.

We kindly request you to confirm your availability at your earliest convenience.

Thank you for your time and consideration.

**Event Details:** 

Venue- Ajay Kumar Garg College of Engineering , Ghaziyabad

Date - 8th and 9th October 2024

Time :- 9:00 a.m to 4 p.m

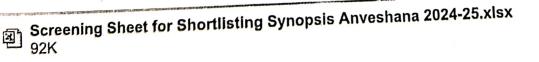
Thanks and regards

Sandeep 9467396889

anveshana.north1@agastya.org

Program Executive - Anveshana Program Delhi NCR

Ngastya International Foundation







SYNOPSYS°



### Cordially invited to join the event

80+ Teams Presenting their IDEAs

Innovative Solutions for Sustainable Living

8th & 9th October 2024 | Tue. - Wed. 09:00 AM - 4:00 PM

### Venue:- Ajay Kumar Garg Engineering College, Ghaziabad

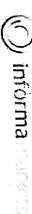
Dr. Akhilesh Verma, Dr. Inderjeet Kaur &

Dr. Anuradha Taluja,

**Local Program Coordinator** 

M.: 9971897996

Mr. Sandeep Program Executive-Anveshana, Agastya International Foundation M.: 9467396889



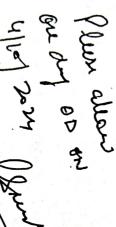
# RENEWABLE ENERGY INDIA EXPO 3RD-5TH OCTOBER 2024

WELCOMES YOU

### **URN NUMBER: REVI53513**







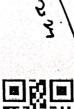


PROFESSOR











3 - 5 OCTOBER 2024 | INDIA EXPO CENTRE, GREATER NOIDA

### 

### This badge is valid for India Expo Centre, Greater Noida only on event days

- Carry the E badge (received through email or SMS) and present the same for scanning purpose while entering the exhibition. No entry in the exhibition will be granted in the absence
- This badge is for personal use only and is not transferable.
- Individuals below 18 years of age and infants in arms are strictly not allowed inside the
- individuals must present a valid, current government-issued photo ID proving their identity at any entry point as requested by the organizer or its assigned staff at any given composition the
- The organizers reserve the right to frisk the badge holders at the entrance and exhibition renue The rights of admission are reserved with the organizers
- The badge must be worn and displayed prominently at all times during your stay at the for security reasons. Your co-operation is solicited.
- exhibition site
- Avoid spitting shywhere while inside the exhibition versue. A fine of INR 1,0004 will be payable Entry restricted for attendees wearing shorts, Barriyan & Shppers including other disciplinary action at the organizers sole discretion will be taken for failure to
- Cameras, bottles, cans or tins are not allowed inside the exhibition venue

idlow the rule

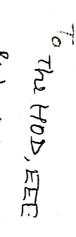
- Photography & videography is strictly prohibited without prior written permission from the
- Food & Severages are not permitted to be taken in the exhibition half
- The organizers to not take the responsibility for the loss or theft of any personal celongings. Any theft floss of the same will not be entendened by the organisers under any crownstances
- The consumption of banned substances (organities, phewing tobacco, electric quarefies) is strictly prohibited inside the exhibition venue
- Students from relevant industries with valid institute ID (only 18 years and above, will be granted entry from 12 30 c.m. onwards in India Expo Centre, Greater Novos on Str.
- Follow all applicable guidelines as are printed on the backside of the visitor's badge exhibitor's booking form including visitor's terms and conditions as are provided under
- The event is subject to force majeure conditions. informa's official website - www.informamarkets.com, as amended from time to time
- White visiting the Exhibition the visitors are requested to comply with all COVID -- 9 recited time. For more entirmation, please refer to the website of the Ministry of Hearth & Father guidelines, issued by the Central & State Government authorities, as amended from fine to Welfare https://mchiw.gov.in/
- at the request of the Organisers of by any of its assumed state Mandatorly carry with them anyone (01) of the Government issued photo identity card such as PAN Card, Awards, Card, Driving Disease, Passifortiero ("Edensity Card"). Passicon is to se mandatonly provided by the loreign intoxia's. The mentioned identity Card is to be ofesented



# RENEWABLE ENERGY INDIA EXPO 3RD-5TH OCTOBER 2024

WELCOMES YOU

### **URN NUMBER : REVI48675**



**PROFESSOR** MAIT DELHI L P SINGH

Ruse outons
Orthogod man,
Please outons
Orthogod op
To altered this Pgm.

Thing . 47. Let Mangh

3 - 5 OCTOBER 2024 | INDIA EXPO CENTRE, GREATER NOIDA

## RULESCARECULATIONS

- The badge is not valid for entry if tom or disfigured

Renewable Energy India Expo

(informamarkets)

- Carry the E badge (received through email or SMS) and present the same for scanning purpose while entering the exhibition. No entry in the exhibition will be granted in the absence of while E badge.
- This badge is for personal use only and is not transferable
- individuals below 18 years of age and infants in arms are strictly not allowed inside the
- individuals must present a valid, current government-issued photo ID proving their identity at any entry point, as requested by the organizer or its assigned staff at any given coint within the
- The rights of admission are reserved with the organizers
- The organizers reserve the right to first the badge holders at the entrance and exhibition venue for security reasons. Your co-operation is solicited.
- The badge must be worn and displayed prominently at all times during your stay at the
- Entry restricted for attendees wearing shorts, Baniyan & Stippers including other disciplinary action at the organizers sole discretion will be taken for failure to Avoid spitting anywhere while inside the exhibition venue. A fine of NR 1,000- will be payable
- Cameras, bottles, cans or tins are not allowed inside the exhibition venue
- Photography & videography is strictly prohibited without prior written permission from the
- Food & Beverages are not permitted to be taken in the exhibition half
- The consumption of banned substances (cigarettes, thewing tobactor electric organities) is The organizers do not take the responsibility for the fixes of their of any personal belongings. Any theft floss of the same will not be entenained by the organisers under any ordunistances
- Students from relevant industries with valid institute ID (only 18 years and above) will be strictly prohibited inside the exhibition venue
- Follow all applicable guidelines as are printed on the backside of the visitor's badge of granted entry from 12 30 p.m. onwards in India Expc Centre, Greater Noida on 5th October
- exhibitor's booking form including visitor's terms and comprises as are provided under informals official website www.informanalvels.com, as phiended from time to time.
- The event is subject to force majeure conditions.
- While visiting the Exhibition, the visitors are requested to comply with an COVID Official of guidelines, issued by the Central & State Government authorities, as amended from time to time. For more information, please reter to the website of the Ministry of Hearth & Family and the control of the Ministry of the Ministry of the Ministry of Hearth & Family Weifare https://montw.gov.in/
- Mandatority carry with them anyone (20) of the Government issued photo identity caird such as PAN Cord, Aadhar Card, Driving License Passport em (15-cory Card) Passport is to be provided that the cord of the co manhatomy provided by the foreign handrais. The high oned identify Card is to be presented

The Director Maharaja Agrasen Institute of Technology Robini, New Delhi

August 28, 2024

Subject: Request for grant of OD

Respected Ma'am

This is to inform you one of my paper was selected in IC-AMST 2024 conference at VIPS-Technical campus. It is scheduled for presentation tomorrow, ie, August 29, 2024.

Kindly grant me I - day OD for the I mould be obliged

Thanking You

Yours sincerely Morika Bharduaj

A.P. EEED

Jan dira

to mo. U

Compose

moox

Starred

CANCER !

Sans Drafts

MOVE

abels

6 Sem Assignments Cor...

BEES MCQs 20 May 2020

Final Year August 2... 3

 $\mathbb{Z}^{1}$ 

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

From: International Conference (AMSI-2024) < ic.amsi2024@vips.edu>

Date: Thu, Aug 22, 2024, 11:36 PM

Subject: Session Schedule for IC-AMSI 2024 from 28th -30th August 2024

Dear Participant(s),

We trust this message finds you well.

Please find the schedule attached in the mail for the session you will be contributing to at IC-AMSI 2024, taking place

To ensure a smooth and engaging session, we kindly request that your presentation be kept to a maximum of 5-7 mir speakers and maintain a well-paced program. The link for the online sessions will be shared with the participants soon For the lechnical poster session, the poster size to be made is  $36^{\prime\prime}\times48^{\prime\prime}.$ 

We deeply appreciate your participation and are confident that your contribution will greatly enrich the session. If you h information, please do not hesitate to reach out to us.

Thank you for your understanding and cooperation. We eagerly anticipate your presentation.

Warm Regards IC-AMSI 2024

			HGH TEA		an I, Block C	* sine, beninal tial 1, block C	4:00PM-4:30PM
C Page 10-30	Session Co-Chair: Dr.Bisma Mannan, University of Plymouth, UK Invited Talk: Mr.Lakshay Chawla, Harvard John A. Paulson-SEAS Title: Evolution of PINNs as a Method for Materials Processing (Online Mode) Session Coordinator: Dr. Radhika Kavra, VIPS-TC Venue: Online Mode	Session Co-Chair: Dr.Bisma Mannan, Universit Plymouth, UK  :: Mr.Lakshay Chawla, Harvard John A. Paulson-SE n of PINNs as a Method for Materials Processing (  Mode)  Session Coordinator: Dr.Radhika Kavra, VIPS-TC  Venue: Online Mode	Invited Talk: 1 Title: Evolution o	,Indira Gandhi GDTUW) titute of Nuclear sical Phenomena(Online TPS-TC	Session Co-Chair: Prof.N.R.Chauhan,Indira Delhi Technical University for Women(IGDTUW) ed Talk: Dr.Suvam Singh,Max Plank Institute of N Physics, Germany ow-Charged Ion Interactions in Astrophysical Phen Mode) Session Coordinator: Dr.Mohd.Atif, VIPS-TC	Session Co-Chair: Prof.N.R.Chauhan,Indira Gandhi Delhi Technical University for Women(IGDTUW) Invited Talk: Dr.Suvam Singh,Max Plank Institute of Nuclear Physics, Germany Title: Low-Charged Ion Interactions in Astrophysical Phenomena(Online Mode) Session Coordinator: Dr.Mohd.Attif, VIPS-TC	
	Session Chair: Dr. Shatrughan Modi, IIIT Una	Session Chair: Dr.Sha		rinagar	Session Chair: Prof Babar Ahmad.NIT Srinagar	Session Chair: Pr	an a
		146	192		57	93	rhe at meninag ilih
	165	156	1/8		159	29	
	76	861	178	69	14	161	
	98	50	12	96	97	60	
	132	74 .	111	143	(9)	52	
	:SS10n-1 V :IDs (Online Mode)	Microsoft CMT Paper-IDs (Online Mode)		ne Mode)	Technical Session-III Microsoft CMT Paper-IDs (Offline Mode)	Microsoft (	
			Technical Paper Presentation (C-Block)	Technical Paper			
				S-TC	r.Priyanka Chhillar, VIF	Session Coordinator: Dr.Priyanka Chhillar, VIPS-TC	(Technical Paper/Poster Presentation)
				6,27,59	1, 72, 73,82,91,20,25,6 rinagar	56, 179, 75, 71, 108, 85, 21, 72, 73,82,91,20,25,66,27,59 Session Chair: 1.Prof. Saad Parvez,NIT Srinagar	2:00 PM-4:00 PM
			C)	: Room No. 503, Block C	ation Session*( Venue ls:	Technical Poster Presentation Session* (Venue: Room No. 503, Block Microsoft CMT Paper Ids:	
				LUNCH			1:00 PM-2:00 PM
		of Scientific& Industrial Research(CSIR) sors: Present and Future Prospective minar Hall, Block C) A Rana(Technical Support)	ri, Council of Scientific& Industry, Council of Scientific& Industry, Biosensors: Present and Fut (Venue-Seminar Hall, Block C), Mr.Pinku Rana(Technical Sup	Dr. Umesh Kumar Tiwari, Council of Scientific& Industrial Research(C Title: Optical Fiber Biosensors: Present and Future Prospective (Venue-Seminar Hall, Block C) Coordinator: Dr.Bharti Seth, Mr.Pinku Rana(Technical Support)	Dr.Umesh I Titl Coordinator: Di		2:15PM-1:00PM
				Plenary Talk			
	Ching Comme server	Title: The Importance of Technology Parameters and Materials Modelling in Virtual Manufacturing Connections (Venue-Seminal Hall, B & C)  Coordinator: Dr.Bharti Seth, Mr.Pinku Rana(Technical Support)	nd Materials Mode Seminal Hall, B k eth, Mr.Pinku Rana	Technology Parameters and Materials Modelling in Virtual Manu (Venue-Seminal Hall, B & C) Coordinator: Dr.Bharti Seth, Mr.Pinku Rana(Technical Support)	the Importance of Teo.	Title: 1	£12:15PN1

### INTEGRATED CLEANER AND SUN TRACKER FOR SOLAR PANELS

Siddharth Jha<sup>1</sup>, Sarang<sup>1</sup>, Tejaswi<sup>1</sup>, Toukeer Khan<sup>1</sup>, Monika Bhardwaj<sup>2</sup>, Pratul Arvind<sup>3</sup>

<sup>1</sup>B.Tech (EEE), Maharaja Agrasen Institute of Technology, Delhi, India

<sup>2</sup> Assistant Professor (EEE), Maharaja Agrasen Institute of Technology, Delhi, India

<sup>3</sup>Professor(ECE), Dr. Akhilesh Das Gupta Institute of Professional Studies, Delhi

### Email address:

jhasiddharth145@gmail.com (Siddharth Jha), sarangsharma0302@gmail.com (Sarang),tejas181010@gmail.com(Tejaswi),toukeer24@gmail.com (Toukeer Khan), monikagupta.eee@mait.ac.in (Monika Bhardwaj), drpratularvind25@gmail.com (Pratul Arvind)

Abstract: This paper presents the development of an innovative integrated solar tracker system with panel cleaning wipers designed to enhance the efficiency of solar energy generation. Combining solar tracking technology with automated cleaning features, the system constantly adjusts the orientation of solar panels to maximize sunlight exposure while periodically cleaning the panels to remove dust and debris. Through the integration of sensors, actuators, and control algorithms, the system ensures maximum energy capture by maintaining optimal panel alignment with the sun throughout the day. Experimental validation demonstrates the efficacy of the integrated system in improving solar generation efficiency compared to conventional fixed-panel installations. This novel approach offers a practical solution for maximizing solar panel performance, contributing to the advancement of sustainable energy technologies and addressing the challenges of dust accumulation in solar installations.

Keywords: Solar Tracker, Efficient Solar Panel Cleaning, Dust Removal, Wiper Cleaning Mechanism

### 1. INTRODUCTION

The energy consumption in the world is soaring high, and in the upcoming decades, it is projected to further increase. Today, about 80% of the world's energy is met from non-renewable energy sources such as fossil fuels, leading to the depletion of the natural resources at fastest ever rate [1]. This leads us nowhere else than an inevitable energy crisis. Furthermore, the extraction and burning of these fossil fuels emit greenhouse gases in the atmosphere, which leads to global warming and other disastrous climate changes [2]. Therefore, it is extremely crucial to conserve energy and utilize available energy resources at maximum possible efficiency.

Also, more than 50% of the known oil reserves around the world are possessed by the Middle Eastern countries which induces economic instabilities around the world affecting the geopolitics. As per an estimate, the current system for meeting energy needs cannot be maintained past two generations [3]. To avert such an energy crisis and mitigate the effects of climate change, it becomes extremely important to ride past from the conventional non-renewable energy resources and shift towards meeting our energy demands from renewable sources such as Solar Power [4, 5].

However, the Photovoltaic panels are currently constrained by an efficiency ceiling of approximately 15%, with losses attributed to sun tracking, wiring, shading, and soiling. Soiling, particularly prevalent in tropical regions prone to sandstorms and heavy rains, significantly affects PV performance. Regular cleaning mitigates soiling losses by ensuring optimal sunlight exposure and subsequent electricity generation. Soiling loss results from the piling up of dirt, dust, or debris on PV panels, which reduces the light-absorption capacity [6]. Consequently, energy conversion efficiency is also affected. In fact, as calculated in [7], it was concluded that in desert areas, due to the accumulation of dust, the efficiency of solar modules can be reduced up to 60%.

The integration of cleaning wipers on solar panels, along with a solar tracker mechanism, is a novel approach to improve the efficiency of solar panels. This document aims to discuss the development and implementation of such a system. The proposed method seeks to enhance the performance of solar panels by tracking the motion of the sun and cleaning the dust that accumulates on the panels. The primary objective is to improve the efficiency of solar panels, which is a crucial aspect in the quest for renewable energy sources. The efficiency of solar panels can significantly decrease due to dust accumulation, leading to a reduction in power output [8]. Dust acts as a barrier between sunlight and the solar cells, preventing the panels from functioning optimally [9]. Various methods have been proposed to address this issue, including the use of solar trackers, cleaning systems, cooling techniques, and anti-reflecting coatings [9].

The solar tracker mechanism is designed to continuously track sunlight throughout the day, maximizing solar energy production [9]. This system ensures that the solar panels are always in a perpendicular profile with respect to the sun's

### Notice of RAC (CIC3)

### SIX MONTHLY SEMESTER PROGRESS EVALUATION

Date: 21-July-2025

RAC meeting of below mentioned Ph.D Scholars of RAC CIC3 (2018-2025 Batch) will be held on 23 -July-2025 11 A.M onwards in Room no. E-218. Scholars are required to present themselves in physical mode with the following documents:-

- Three spiral bound files of Progress Report(2018-2024 Batch) comprising of report of research done till date and work done after last RAC of Jan 2025, List of Publications, registration letter & fee receipt of AY 2024-25 and 2025-26 along with Powerpoint presentation
- 2. Three spiral bound files of progress towards Research Proposal and Literature review PHDICT-103 (2024 batch), List of Publications(if any), registration letter & fee receipt of AY 2024-25 along with Powerpoint presentation.
- 3. Filled in Proforma of semester progress (Take printout on single page back-to-back)
  Link: <a href="http://www.ipu.ac.in/researchcons/proforma/prsemprogrep.pdf">http://www.ipu.ac.in/researchcons/proforma/prsemprogrep.pdf</a>. (2017-2023 Batch)
- 4.Marksheet/ Course-work completion certificate. (2018-2024 batch)
- 5. Filled Coursework Proforma 2024 batch (if course work incomplete) and 2025 Batch.
- 6. Extension of Ph.D registration application duly approved and forwarded by supervisor (2019 batch) if required(after consultation with supervisor)

	Enrolment No	Name	Discipline	Mode	Supervisor
-	14916490019	MANPREET SINGH	CA	Part Time	Prof. Arvinder Kaur
1	15516490019	RASHMI	CSE	Part Time	Prof. Arvinder Kaur
	20016490021	JASMEET KAUR	IT	Full Time	Prof. Arvinder Kaur
-	20516490021	VARUN GOEL	CSE	Part Time	Prof. Arvinder Kaur
V	23216490023	PRASHANT NARESH	CSE	Part Time	Prof. Bharti Suri
r	23916490023	GAURAV SANDHU	IT	Part Time	Dr. Kamaldeep Kaur
-	24016490023	NIDHI NANDWANI	CA	Part Time	Prof. Anju Saha
-	24916490023	AMANDEEP SINGH	IT	Part Time	Dr. Kamaldeep Kaur
-	25416490023	PRADEEP GULATI	IT	Part Time	Prof. Arvinder Kaur
r	25616490023	POOJA JAJORIA	IT	Part Time	Prof. Bharti Suri
-	26316490023	DIVYA RAJPUT	IT	Part Time	Dr. Anuradha Chug
	2024 Batch	Vivek Tetarwal	CSE	Part Time	Prof. Anju Saha

### Agenda:

- 1. 2018-2024 Batch- Six Monthly Semester Progress Report Evaluation.
- 2. 2024 Batch Approval of Research Proposal and Literature review(PHDICT-103)
- 3. 2024, 2025 Batch- Assignment of Elective Course-work if any

Dr. Kamaldeep Kaur(RAC Member)

CC. 1. All Supervisors and Research Scholars Through Supervisor



### Maharaja Agrasen Institute of Technology

PSP AREA, MAHARAJA AGRASEN CHOWK, SECTOR-22, ROHINI, DELHI- 110086

Application for Earned Leave/Medical Leave/Casual Leave

	1. Name	: VARUN GOEL
	2. Designation	Asst Professor
	3. Department	: 178
)	4. Date of Joining MAIT	: 1/8/2013
	5. Earned Leave/Medical L	eave/Casual Leave (Attach Certificate/s Where necessary)
	From	: 23/7/2025
	То	: 23/7/2025
	No. of Days	:
	6. Reason	: As fer records on OD PhD.
		ave — As per records on Leave — As per records
	Director/Dean	Head of Deportment Signature of Applicant

To.
The Director,
Maharaja Agrasen Institute of Technology
Rohini, Delhi.

Subject: Request for OD for one day to attend Ph.D Third Annual Seminar.

Respected Mam,

With due respect, it is to inform you that my Ph.D Third Annual Seminar is scheduled on 05-12-24. Please grant OD for one day to attend the Ph.D Seminar. I will very thankful to you.

Thanking You

Your's Sincerely, Shallu Juneja
Assistant Professor (CSE)

Forwarded

28/1/24

May 2011/22

000 5/12

To

The Director

MAIT

Subject: Request for On-Duty Leave on November 6, 2024, for PhD SRC Meeting

Respected Madam,

This is for your information that I am scheduled to present my research work progress before the SRC Committee in Manay Rachna University on 6/11/24.

Kindly allow me for the same

Thanking you

Ms. Zameer Fatima

Assistant Professor

CSE Department

MAIT

Forwarded Cylyfufru Olay m

The Director MAIT New Delli

Subject: Permission to grant OD for PhD
Convocation

Kespected Madam

This is to bring to your kind notice that my PhD Convocation is scheduled on 19/12/2024 at DTU. In respect of this, PhD Convocal rehersal and Golden Pride Function is Scheduled on 18/12/2024 at DTU. I humbly sequest you to grant me OD for both days i.e. 18/12/2024 and 19/12/202 I hereby attached proofs for bolli invitations with the application

Thanking you in anticipation

Yours sincerely

Dr. Guyan Chugh 18 AM at 12:3 18/12/2020 Asst. Proft. OD=192 MINST at 18/12/2020 AI-ML, MAIT

Jo, The Director MAIT -22 Rol Sec-22 Rohini

Sub: Permission for OD leave

Kespected Ma'am,

I humbly request you to grant me on-duty leave to attend my Convocation Ceremeny, Scheduled to take place on 19.12.2024 at Delhi Technological University. This event is a significant milestone in my academic journey and your kind approval would enable me to participate in the columny and receive my Ph.D degree. Rehearsal for the same is Icheduled on 18.12.2024 at 2:30 pm which is mandatory to attend.

Thanking You Yours Sincerely

Dr. Presna Mann Assistant Professer CSE, MAIT

day. Thirty of the

The Director

MAIT

Sub: - Permission for On Duty leave.

Respected Mam

The Convocation Ceremony is Secheduled to take place on 19/12/24 at Delhi Technological University and Rehearsal function for Same is Scheduled on 18/12/24 at 2:30 PM. 9+
is mandatory to attend the Same for degree process. This event is a significant milestone in my academic Journey and your kind approval would enable me to participate in the ceremony and receive my degree. olley. Topy of the safet

Thanking your Yours Lincorely Dr. Ruchi Goel Assistant Rot, CSE

The Director Maharaja Agrasen Institute of Technology Rohini, New delhi-110086

Date: 6th December, 24

Subject: Application for Academic Leave for Final Viva Submission of PhD

Respected Sir/Madam.

Those this message finds you in good health and high spirits. I am writing to formally request academic leave in order to complete the final viva voce and submission process for my PhD program. My research work, titled "Adoption of Disruptive Technologies: An Empirical Study of Indian Universities", is in its final stages, and the viva is scheduled to take place on 11th December,24.

Lam currently working in the Management Department and have been dedicatedly pursuing my academic responsibilities alongside my research. In order to prepare adequately and ensure a successful completion of this significant milestone, I kindly request leave from Dec.24 to 11° Dec.24.

I assure you that I have made arrangements to manage my academic and professional responsibilities during this period. I will ensure a smooth transition of any pending tasks and am happy to coordinate with my colleagues and students (if applicable) to minimize any inconvenience caused.

I sincerely seek your understanding and approval for this leave.

Thank you for your consideration and support.

Yours sincerely.

Assistant Professor

Department of Management Studies

Contact No: 9728532515

1 Doy.