EVENT REPORT

Name of the Event : National Seminar

Title of the Event : One Day National Seminar on Artificial Intelligence in Drug Discovery and Healthcare

Organized by : Rathinam College of Pharmacy

Date & Time : 15.03.2025 & 9.00-5.00 PM

Venue : Auditorium

No of Staffs Participated :30

No of Students Participated :380

Report

The One Day National Seminar on Artificial Intelligence in Drug Discovery and Healthcare was successfully held at Rathinam College of Pharmacy, bringing together esteemed experts, researchers, and students to explore the transformative impact of AI in the pharmaceutical and healthcare sectors. The seminar commenced with a **prayer song**, setting a positive tone for the event. This was followed by the **lamp lighting ceremony**, symbolizing the enlightenment and knowledge shared during the seminar. **Dr.C.Buvana**, Organizing Secretary, Professor& Head, Department of Pharmaceutical Chemistry delivered the welcome address.

The Principal **Dr.N.Balakrishnan** addressed the gathering, highlighting the importance of integrating AI technologies in modern healthcare. He encouraged students to embrace innovation and actively participate in research that leverages AI for better health outcomes.

The seminar featured a lineup of distinguished speakers:

- **Dr. C.S. Vasavi** Assistant Professor Senior, Amrita Vishwa Vidyapeetham, Bangalore discussed the applications of AI in clinical settings, showcasing its potential to improve patient care and treatment efficiency.
- **Dr. S. Kavimani** Professor & Head, Department of Pharmacology, Mother Terasa post graduate & Research Institute of Health sciences, Pondicherry focused on computational drug design, illustrating how AI algorithms can expedite the drug development process.

- **Dr. S.P Suriyaraj** Head, Raise centre for Nanobiotechnology & Associate Vice President, AIC Raise explored the impact of AI on personalized medicine, emphasizing tailored treatment strategies.
- **Dr. P.Chandrasekar** Assistant Professor (Research), Rathinam Research Hub RCAS shared insights on future trends in AI and healthcare, encouraging participants to consider emerging technologies.

E-Poster Presentations

An engaging session of **e-poster presentations** followed, where 40 participants showcased their research on AI applications in drug discovery and healthcare. The presentations were evaluated by a panel of esteemed judges:

- **Dr.V.N Indulatha**, Principal, Ennam College of Pharmacy, Coimbatore
- **Dr. Hurmath Unnisha**, Assitant Professor, Cop, SRIPMS, Coimbatore
- **Dr. Ramesh**, Principal Incharge, MGM College of Pharmaceutical Sciences, Kerala
- **Dr. C.Kanagaraj**, Head, Department of Biotechnology, RCAS

The evaluators provided constructive feedback, fostering an enriching discussion among participants.

Valedictory Function

The seminar concluded with a **valedictory function**, where cash prizes were awarded to the winners of the e-poster presentations, recognizing their innovative contributions.

E Poster Presentation Winners were the followings

I Prizes

1. Mr.Stalin.A KMCH College of Pharmacy, Coimbatore
2. Ms.Srinivasni.H College of Pharmacy, SRIPMS,Coimbatore

II Prizes

1. Mr.Tamizharasu   Karpagam College of Pharmacy, Coimbatore
2. Ms.Sathyasri   Rathinam College of Pharmacy, Coimbatore

III Prizes

1. Mr.Yuvankumar.C Ennam College of Pharmacy, Coimbatore
2. Ms.Sandhiya.S   Rathinam College of Pharmacy, Coimbatore

The participation certificates were presented to all the participants. The evaluators were honoured by the Token of Appreciation. The session wrapped up with closing remarks that emphasized the importance of continued exploration and application of AI in healthcare. The National Seminar on Artificial Intelligence in Drug Discovery and Healthcare was a resounding success, providing a platform for knowledge exchange and collaboration among academia and industry professionals. The insights shared by speakers and the enthusiasm of participants reaffirmed the pivotal role of AI in advancing healthcare solutions. **Mr.J.Karthikeyan**, Associate Professor, Department of Pharmaceutics delivered the Vote of Thanks.

The event concluded with the **National Anthem**, leaving participants inspired and motivated to contribute to the field of AI in drug discovery and healthcare.

Programme Committee

Principal
Principal
Rathinam College of Phar⁻ ⁻v
Rathinam Techzone,
Pollachi Main Road, Each⁻· ·⸱.
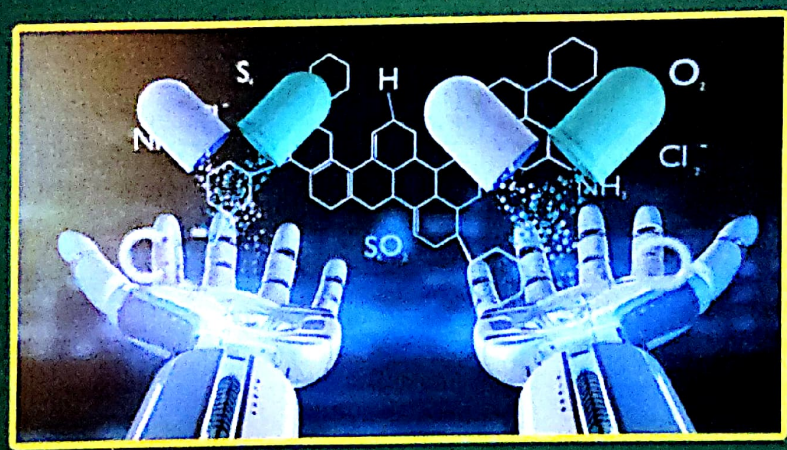Coimbatore – 641021.

RATHINAM
COLLEGE OF PHARMACY
AFFILIATED TO THE TAMIL NADU Dr.M.G.R MEDICAL UNIVERSITY CHENNAI
APPROVED BY PHARMACY COUNCIL OF INDIA (PCI), NEW DELHI

NATIONAL SEMINAR ON
ARTIFICIAL INTELLIGENCE IN
DRUG DISCOVERY AND HEALTHCARE

Accredited By

The Tamilnadu Dr.M.G.R. Medical University, Chennai

ORGANIZED BY

DEPARTMENT OF
PHARMACEUTICAL CHEMISTRY
RATHINAM COLLEGE OF PHARMACY

15th MARCH-2025

VENUE: RATHINAM AUTIDORIUM

05
CREDIT POINT
UNDER CATEGORY-V

ABOUT THE COLLEGE

Rathinam College of Pharmacy (RPh), established in 2023 is part of the Rathinam Group, renowned for its commitment to high standard education. The campus is located in the Eachanari, Coimbatore, Tamil Nadu, within the expansive 70-acre Rathinam Techzone, which integrates educational institutions, an IT park, housing and entertainment facilities. The college features fully equipped labs catering to various fields, including Pharmaceutical Chemistry, Pharmacognosy, Pharmacology, Pharmaceutics, Pharmaceutical Biotechnology and Pharmaceutical Analysis.

ABOUT THE SEMINAR

Artificial intelligence (AI) is a powerful and disruptive area of computer science, with the potential to fundamentally transform the practice of medicine and the delivery of healthcare. Application of AI in healthcare, describes a roadmap to building effective, reliable and safe AI systems, and discusses the possible future direction of AI augmented healthcare systems.

As the life sciences industry continues to evolve, AI - driven entrepreneurship will play an increasingly important role in shaping its future. The intersection of AI, plant science, life sciences, and entrepreneurship has the potential to solve some of humanity's most pressing challenges, from food security to disease prevention. As these fields continue to converge, we can expect to see groundbreaking innovations that transform industries and improve lives.
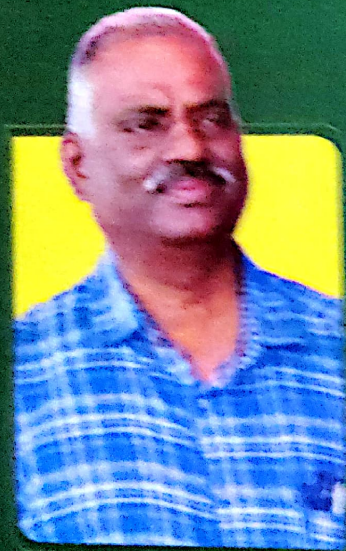
EMINENT
RESOURCE PERSONS

Dr.C S.VASAVI, M.Tech., Ph.D
Assistant Professor Senior,
School of Artificial Intelligence,
Amrita Vishwa Vidyapeetham, Bengaluru Campus,
TOPIC:APPLICATION OF ARTIFICIAL INTELLIGENCE
IN HEALTHCARE

Dr.P. CHANDRASEKAR, M.Sc., Ph.D
Assistant Professor (Research),
Rathinam Research Hub, RCAS, Coimbatore
TOPIC:REVOLUTIONIZING DRUG DESIGN THROUGH
MACHINE LEARNING MODELS

Dr.S. KAVIMANI, M.Pharm., Ph.D
Professor and Head
Department of Pharmacology,
Mother Theresa Post Graduate and Research Institute of
Health Sciences Puducherry,
TOPIC:ARTIFICIAL INTELLIGENCE IN PHARMACEUTICAL INDUSTRY

Dr. S. P. SURIYARAJ Ph.D.,
HEAD, PACE CENTRE FOR NANOBIOTECHNOLOGY & ASSOCIATE VICE P
PSG Incubation Centre (PIC), Raise, Supported by
NITI Aayog, Govt. of India,

Chief Patron

Dr. MADAN A SENDHIL
CHAIRMAN, RATHINAM GROUPS.

Dr. SHIMA SENDHIL
DIRECTOR, RATHINAM GROUPS.

Patron

Dr. R. MANICKAM
CEO & SECRETARY RATHINAM GROUPS.

Convener

Prof. Dr. N. BALAKRISHNAN
PRINCIPAL,
RATHINAM COLLEGE OF PHARMACY

Organizing Secretary

Prof. Dr. C. BUVANA
Professor & Head
Department of Pharmaceutical Chemistry
Rathinam College of Pharmacy

E-POSTER

Last date of abstract submission - **10.03.2025**
Notifications of acceptance - **12.03.2025**
Abstract submission - **buvana.rcph@rathinam.in**

CASH PRIZE

BEST PRESENTATION WILL BE REWARDED

1st - 2500Rs   **2nd - 1500Rs**   **3rd - 1000Rs**

REGISTRATION

(REGISTRATION FEE INCLUDES KIT,
LUNCH & CERTIFICATE)
Registration Fee -
Rs.300

REGISTRATION LINK:
https://forms.gle/DHPtJhAPQT69QjEy7

FOR INQUIRIES

principal.rph@rathinam.in
buvana.rcph@rathinam.in

PAYMENT DETAILS

AGENDA

Time	Event
08.45AM -9.30 AM	REGISTRATION
9.30AM-9.35AM	PRAYER SONG
9.35AM- 9.40AM	LAMP LIGHTING CEREMONY
9.40AM-9.50AM	WELCOME DANCE
9.50AM-9.55AM	WELCOME ADDRESS BY ORGANIZING SECRETARY
9.55AM-10.00AM	FELICITATION ADDRESS BY PRINCIPAL
10.00AM-10.05AM	CEO ADDRESS
10.05AM-10.15AM	FELICITATION – RESOURCE PERSON
10.15AM-11.00AM	LECTURE –I APPLICATION OF ARTIFICIAL INTELLIGENCE IN HEALTHCARE Dr.C S.VASAVI, M.Tech., PhD
11.00AM-11.15AM	REFRESHMENT
11.15AM-12.00PM	LECTURE –II ARTIFICIAL INTELLIGENCE IN PHARMACEUTICAL INDUSTRY Dr.S.KAVIMANI , M.Pharm., PhD
12.00PM-12.45PM	LECTURE –III ADVANCED NANO BIOTECHNOLOGY-BASED MATERIALS FOR HEALTH CARE APPLICATIONS. Dr. S.P.SURIYARAJ, M.Sc., M.Phil., PhD
12.45PM-1.45PM	LUNCH
1.45PM-3.15PM	E-POSTER PRESENTATION - SEMINAR HALL TOWER-C
2.00PM-3.00PM	LECTURE-IV REVOLUTIONIZING DRUG DESIGN THROUGH MACHINE LEARNING MODELS. Dr.P. CHANDRASEKAR , M.Sc., PhD
3.00PM-3.15PM	REFRESHMENT
3.30PM-4.30PM	VALEDICTORY
4.30PM-4.35PM	VOTE OF THANKS
4.35PM-4.40PM	NATIONAL ANTHEM

Coimbatore,Tamil Nadu,India
Kurichi, Coimbatore, 641021, Tamil Nadu, India
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03/15/2025 09:38 AM GMT+05:30
Note : Captured by GPS Map Camera

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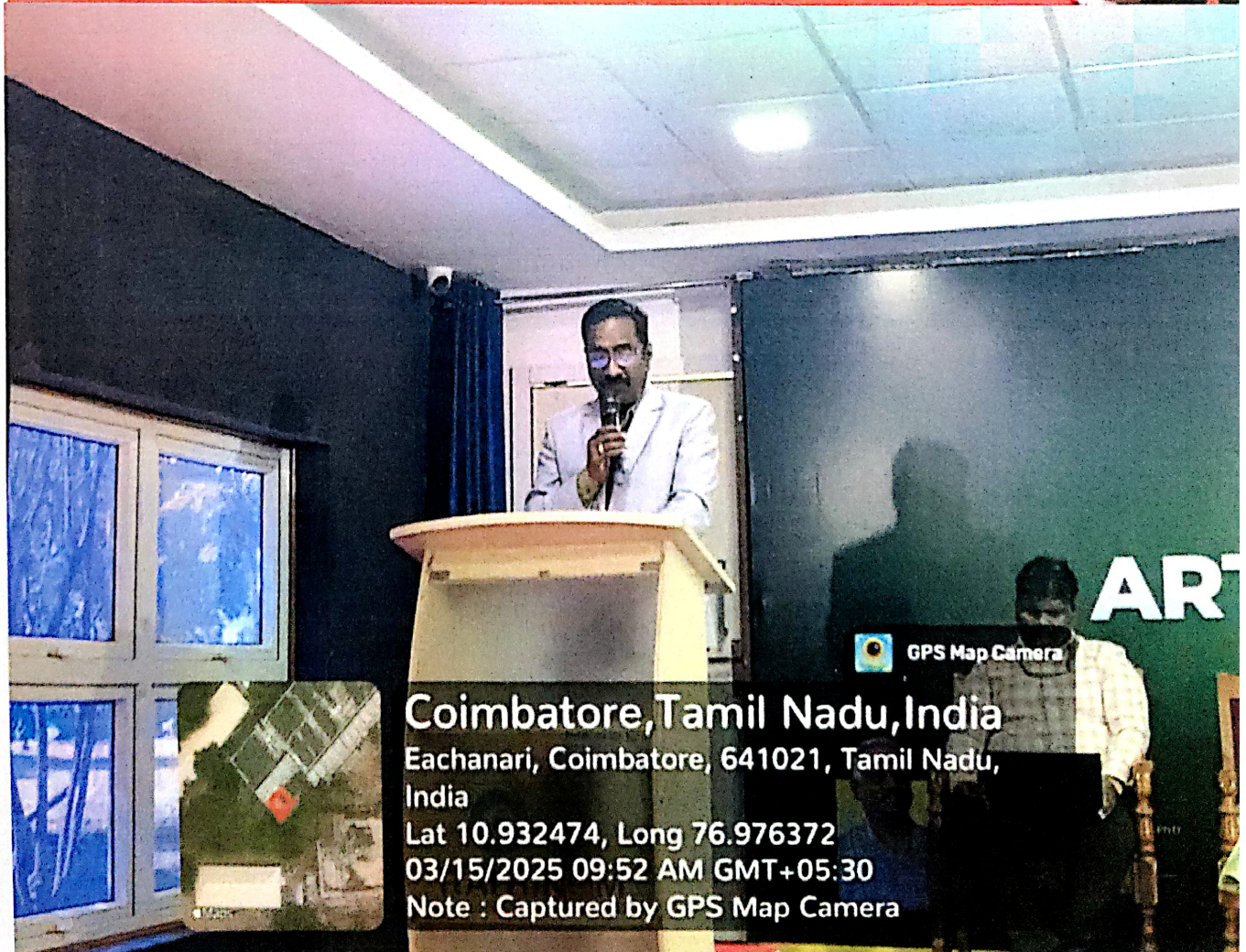03/15/2025 09:38 AM GMT+05:30
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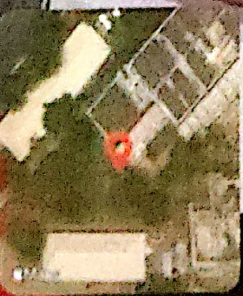Lat 10.932672, Long 76.976068
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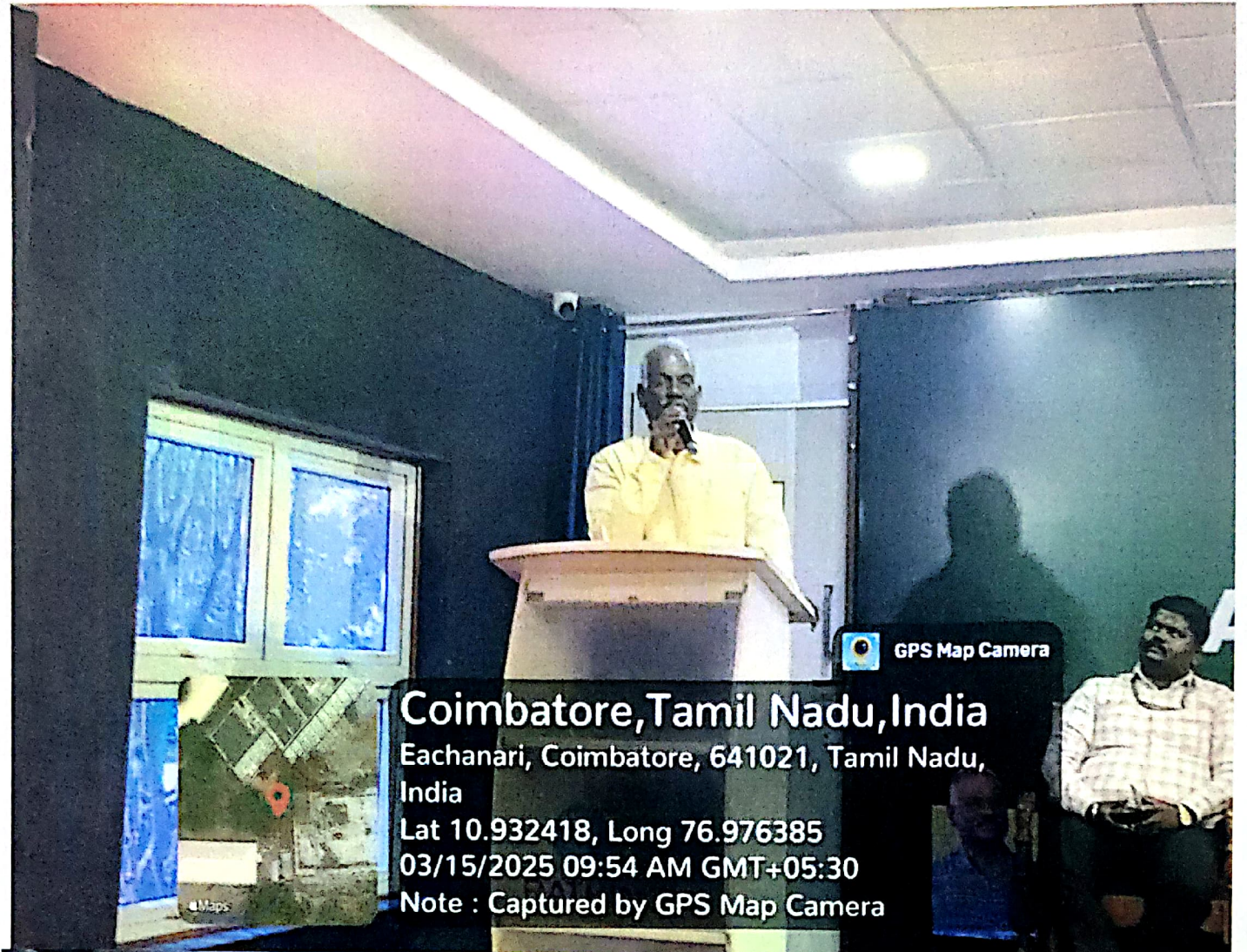03/15/2025 10:12 AM GMT+05:30
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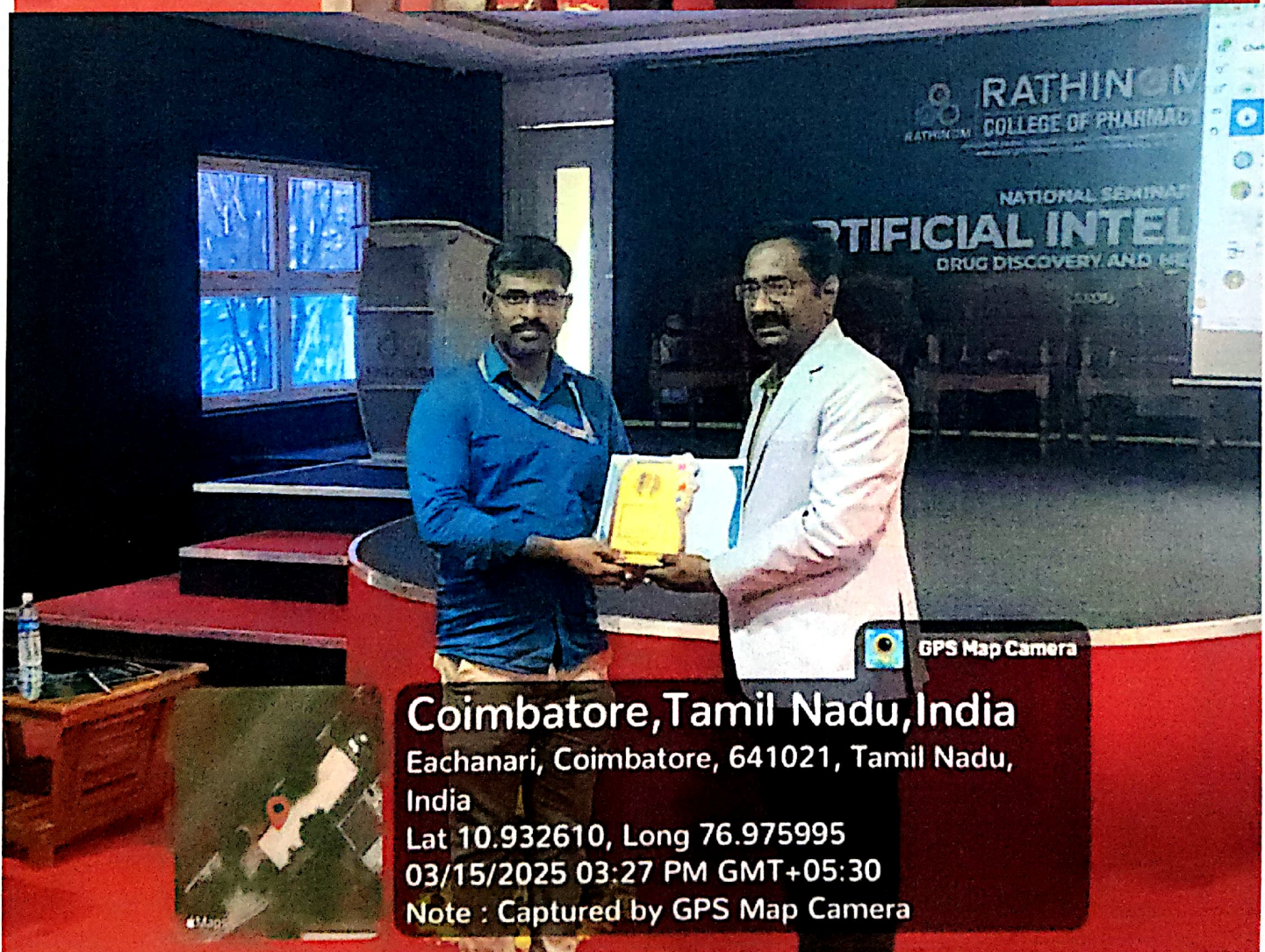Lat 10.932603, Long 76.976007
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