

Background : -

The Physics department of the institution is dedicated to initiate the awareness of physics education among students, recently organized a field visit on the theme of use of various instruments based on principles in Physics in medical field. This event aimed to provide information to participants about the branch medical physics.

Objectives:

This field work has various objectives as,

1. Understanding radiation therapy : -
They can learn about how physics principles are applied in radiation therapy for cancer treatment. It includes use of linear accelerator and the physics behind dosimetry.
2. Exploring imaging techniques : -
Physics plays important role in medical imaging techniques such as X ray, CT scan, MRI and PET scan. Students can gain insights into the physics principles underlying these imaging modalities and their applications in cancer diagnosis and treatment planning.
3. Learning about nuclear medicine : -
Physics student can learn about use of radioactive isotopes in diagnosing and treating cancer.
4. Engaging with Medical physics professionals: -
Interacting with medical physicists and radiation oncologists can provide student with valuable insights into the interdisciplinary nature of cancer treatment and the role of physicists in healthcare.
5. Ethical considerations : -
Visiting cancer hospital also prompts discussion on ethical considerations related to the cancer treatment, radiation exposure, patient care and healthcare policies.

Overall the objectives would involve gaining a deeper understanding of the application of Physics in cancer diagnosis, treatment and research as well as fostering interdisciplinary learning and ethical awareness among students.

Information collected from field work :

During the visit to Shri Sidhhivinayak Cancer Hospital, Miraj students understand that physics plays significant role in various aspects of cancer treatment and management in hospitals. They get information about types of stages of cancer as well as available treatment for disease. Meeting with the medical team, the nurses and the healthcare professionals and technicians student gain knowledge about use of Physics in medical field. Students observed working of X ray machine, PET Scan machine, particle accelerator, MRI machine.

Conclusion :

The Field visit on the theme of use of various instruments based on principles in Physics in medical field is proved to be a successful event in achieving its objectives of encouraging participants and providing a platform for further education in the field of medical physics. It's a place where multidisciplinary teams of healthcare professionals work together to provide comprehensive care for patients diagnosed with cancer. The visit likely provided insights into various aspects of cancer treatment. It served as a valuable opportunity for participants to enhance their knowledge, network with like-minded individuals.



M. J. Hanuman
Head
Department of Physics
P.V.P. Mahavidyalaya
Kavathe Mahankal Dist. Sangli

Mrs. P.U. Mahamuni
Head, Dept. of Physics
PVP, Mahavidyalaya,
Kavathe Mahankal.
Date 4/01/2024

To,
The Principal,
PVP Mahavidyalaya, Kavathe Mahankal.

Subject - Permission for field visit.

Respected Sir,

Students of B.Sc-III (Physics) are going
to visit Shri Siddhivinayak Ganpati Cancer Hospital
Miraj On Saturday 6th Jan. 2024. Kindly allow
the students for visit.

Yours faithfully,

Mahamuni
Head

Department of Physics
P.V.P. Mahavidyalaya
Kavathe Mahankal Dist-Sangli

Students

- 1 Prajal S. Limkar Limkar
- 2 Aditi B. Patil Patil
- 3 Shraddha V. Shinde Shraddha
- 4 Pranjali L. Kharat Kharat
- 5 Pranvika S. Patil Patil
- 6 Anjali D. Patil Patil
- 7 Shraddha S. Hiremath Hiremath
- 8 Amit R. Sutar Sutar
- 9 Rohit K. Khamgal Khamgal
- 10 Om S. Yadav Yadav
- 11 Aditya G. Bhosale Bhosale
- 12 Shubhangi R. Khot Khot

Permission granted

Miraj
PRINCIPAL

Padmabhusan Vasant Shraddha Patil
Principal, Kavathe Mahankal Dist-Sangli





PADMABHUSHAN VASANTRAODADA PATIL MAHAVIDYALAYA

KAVATHE MAHANKAL, Dist. Sangli (Maharashtra) Pin- 416 405

Principal Prof. (Dr.) M.K.Patil M.Sc., M.Phil., Ph.D.

Mob. 9405649190

9421185277

Phone- 02341-295220 Email : kmpvp@rediffmail.com

Website : www.pvpmkm.org

Jr. College Index No. J 22.04.002

Ref No. PVPMKM/

Date :

प्रति
मा. व्यवस्थापकीय संचालक,
श्री सिध्दीविनायक गणपती कॅन्सर हॉस्पिटल
मिरज

विषय : हॉस्पिटलमधील उपकरणे पाहणीसाठी परवानगी मिळणेबाबत

महोदय,
उपरोक्त विषयास अनुसरून आमचे वरिष्ठ महाविद्यालयातील बी.एस्सी.भाग-३
(भौतिकशास्त्र) विषयाचे एकूण १४ विद्यार्थी व १ शिक्षक अभ्यास सहल अंतर्गत आपले हॉस्पिटलला
भेट देवून हॉस्पिटलमधील उपकरणे व कामकाजाची माहिती घेवू इच्छितात. तरी कृपया त्यांच्या
भेटीस परवानगी मिळावी, ही विनंती.

आपला विश्वासू,

प्राचार्य

पद्मभूषण वसंतरावदादा पाटील महाविद्यालय
कवठेमहांकाळ जि. सांगली.

Subject: Hospital Visit

From: Cancer Hospital Miraj <cancermiraj@gmail.com> on Fri, 22 Dec 2023 17:41:38

To: kmpvp@rediffmail.com

Cc: vinod terdal <vinod.terdal@cancermiraj.com>

Dear Sir/Madam,

We are in receipt of your letter dt. 19th December, 2023 regarding Hospital visit of your students of B.Sc.-Physics (III yr.)

(Total no.-14 students + 1 Teacher.)

Accordingly, you have been permitted to visit our Hospital on 6th January, 2024 , @ 10.30 am.

Regards,

VINOD TERDAL

DIRECTOR – ADMINISTRATION

Shri. Siddhivinayak Ganapati Cancer Hospital,

Sangli-Miraj Road,

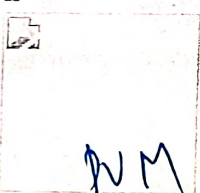
MIRAJ – 416410

Mob. 9322229039



Reply

Forward



miraj
23/12

P.V.P. Mahavidyalaya
Kavathe Mahankal. (Sangli)
Inward No. 858
Date 23/12/2023
Signature

Gmail

Shri. Siddhivinayak Ganpati <cancermiraj@gmail.com>

Hospital Visit

1 message

Cancer Hospital Miraj <cancermiraj@gmail.com>
To: kmpvp@rediffmail.com
Cc: vinod terdal <vinod.terdal@cancermiraj.com>

Fri, Dec 22, 2023 at 6:04 PM

Dear Sir/ Madam,

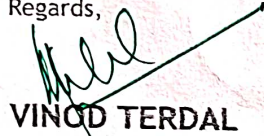
Please ignore earlier mail. Now this is a corrected mail as below--

We are in receipt of your letter dt. 19th December, 2023 regarding Hospital visit of your students of B.Sc.-Physics (III yr.)

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VINOD TERDAL

DIRECTOR - ADMINISTRATION

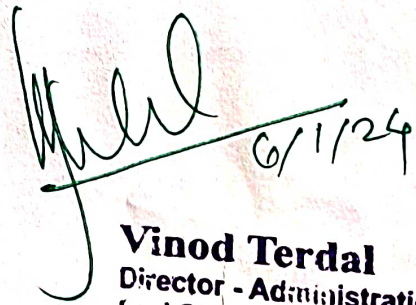
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Sangli-Miraj Road,

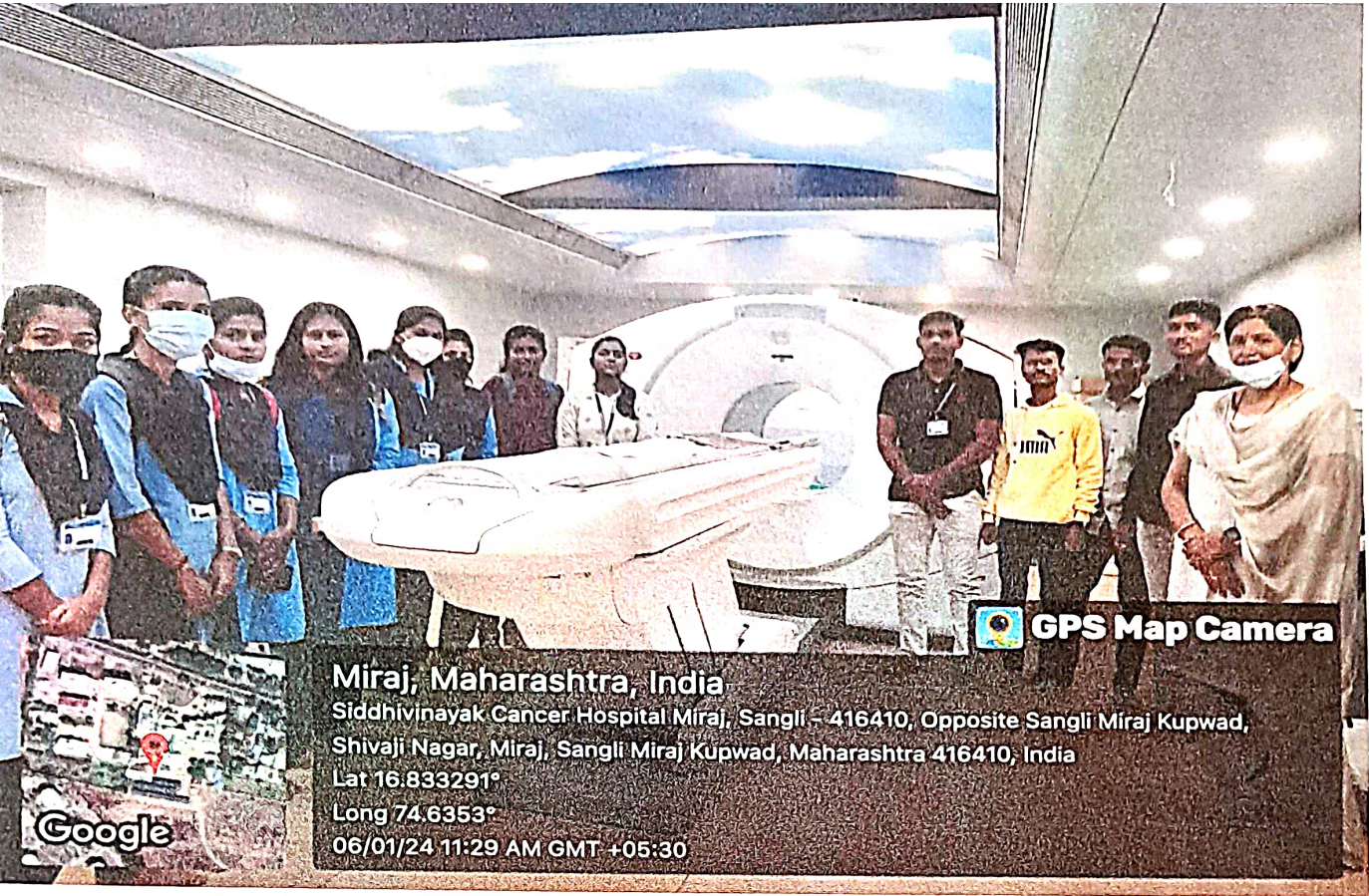
MIRAJ - 416410

Mob. 9322229039

Students - 12 No & Teacher - 1 No
Visited our hospital on 6/1/24



Vinod Terdal
Director - Administration
Shri Siddhivinayak Ganapati
Cancer Hospital, Miraj.



 **GPS Map Camera**

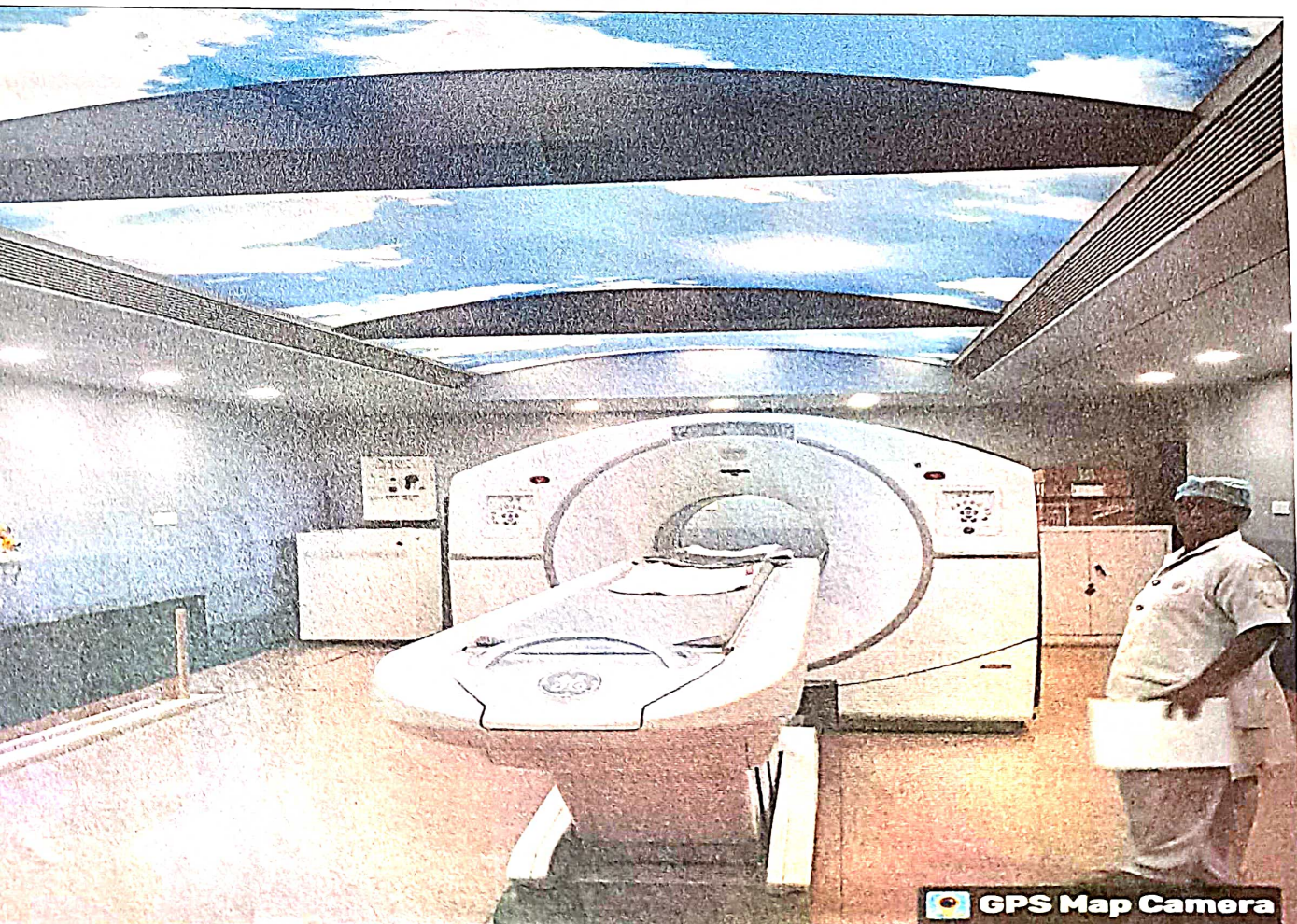
Miraj, Maharashtra, India

Siddhivinayak Cancer Hospital Miraj, Sangli - 416410, Opposite Sangli Miraj Kupwad, Shivaji Nagar, Miraj, Sangli Miraj Kupwad, Maharashtra 416410, India

Lat 16.833291°

Long 74.6353°

06/01/24 11:29 AM GMT +05:30



 **GPS Map Camera**

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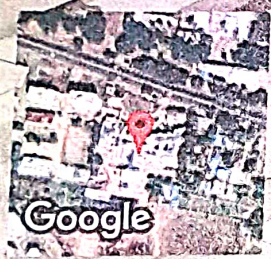
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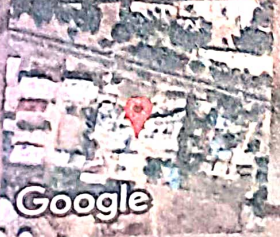
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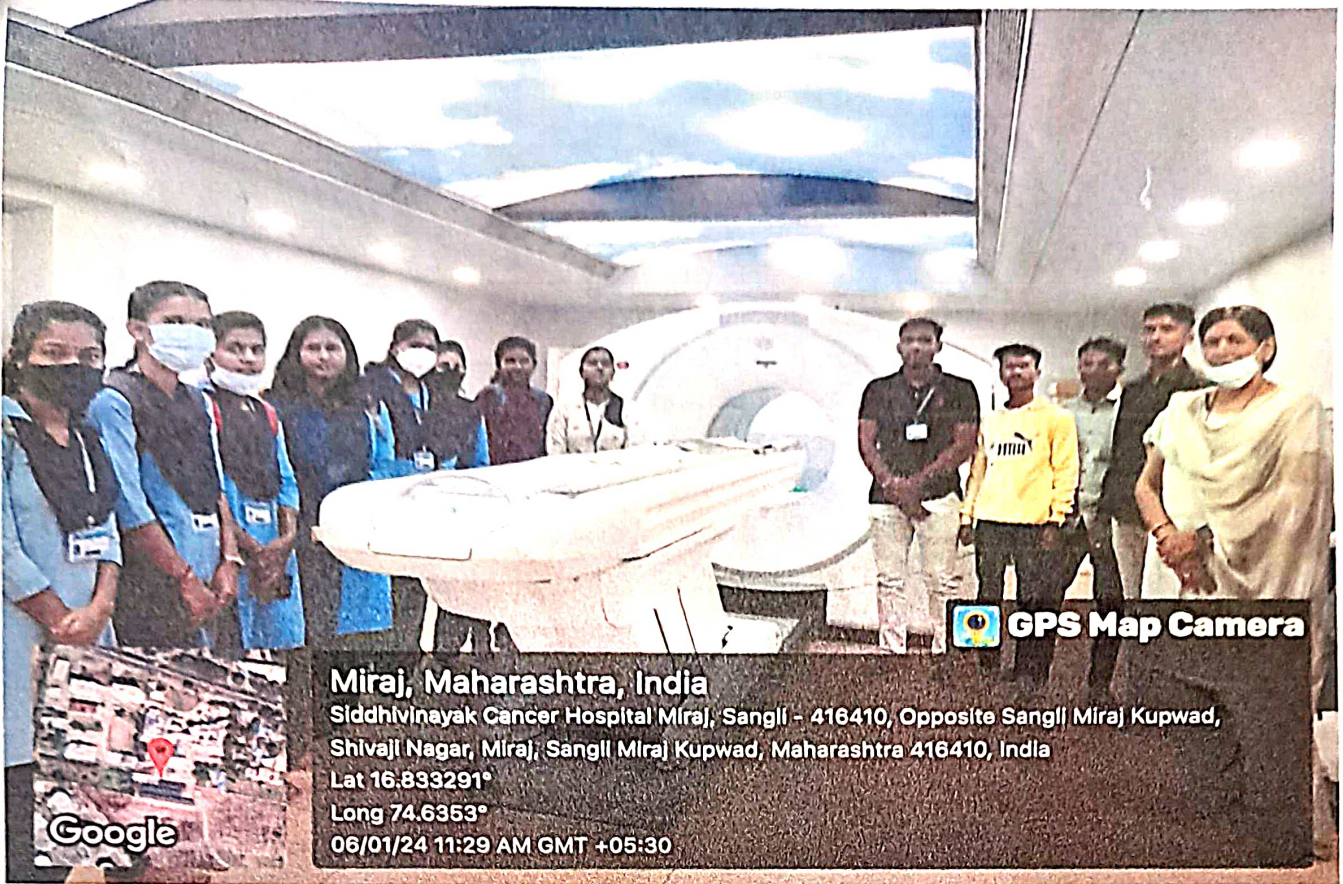
Miraj, Maharashtra, India
RJMP+C7W, Shivaji Nagar, Miraj, Sangli Miraj Kupwad, Maharashtra 416410, India
Lat 16.833639°
Long 74.635518°
06/01/24 11:43 AM GMT +05:30



 **GPS Map Camera**

Miraj, Maharashtra, India
RJMP+C7W, Shivaji Nagar, Miraj, Sangli Miraj Kupwad, Maharashtra 416410, India
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Long 74.635518°
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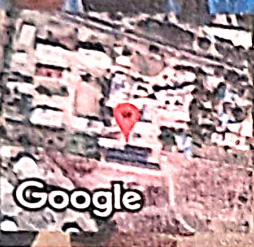
Miraj, Maharashtra, India

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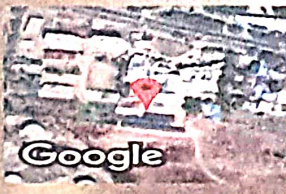
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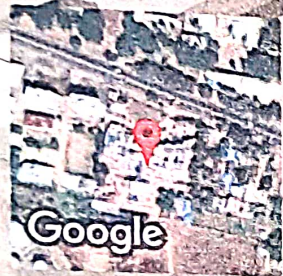
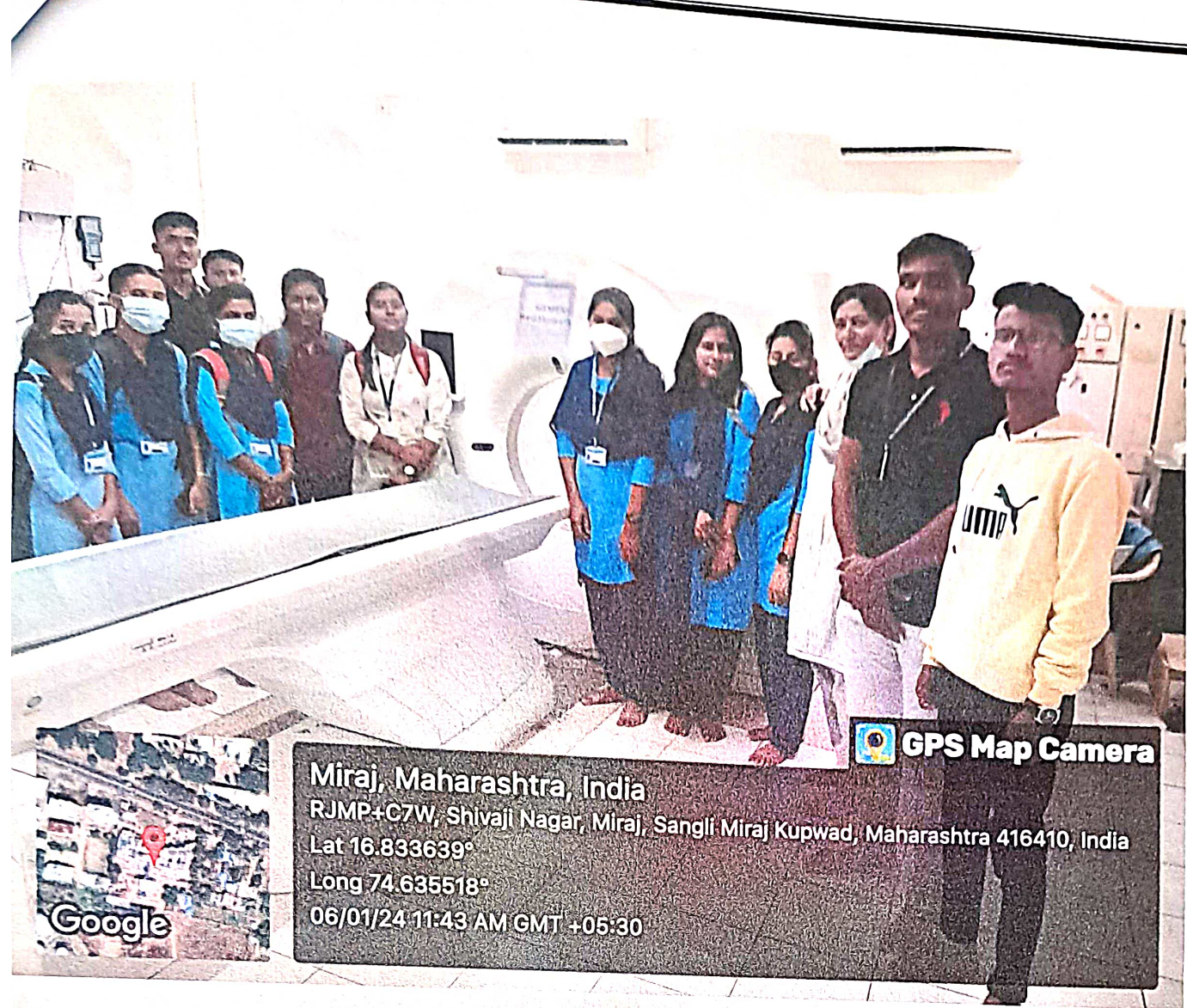
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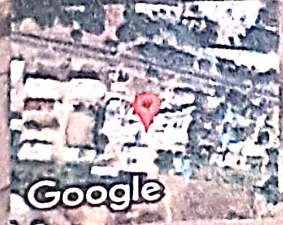
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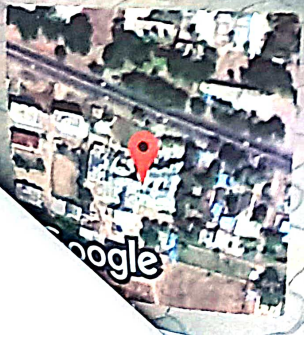
Miraj, Maharashtra, India

RJMP+C7W, Shivaji Nagar, Miraj, Sangli Miraj Kupwad, Maharashtra 416410, India

Lat 16.83371°

Long 74.635614°

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Sangli