



REVA
UNIVERSITY

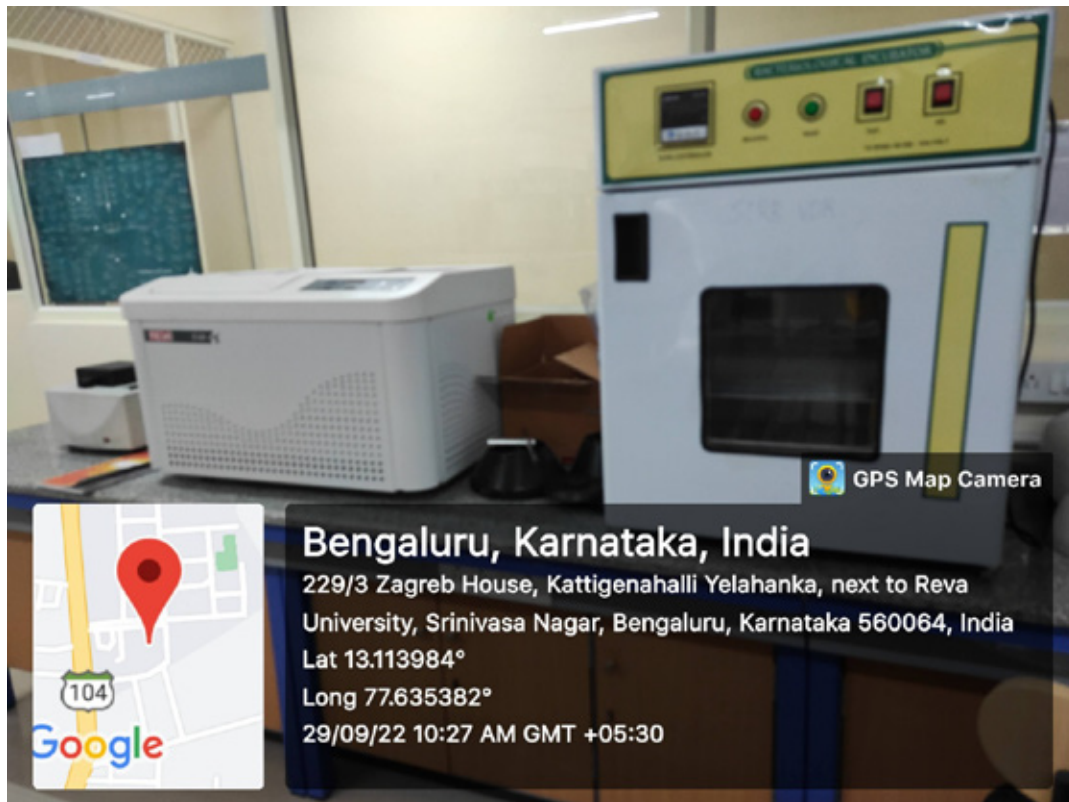
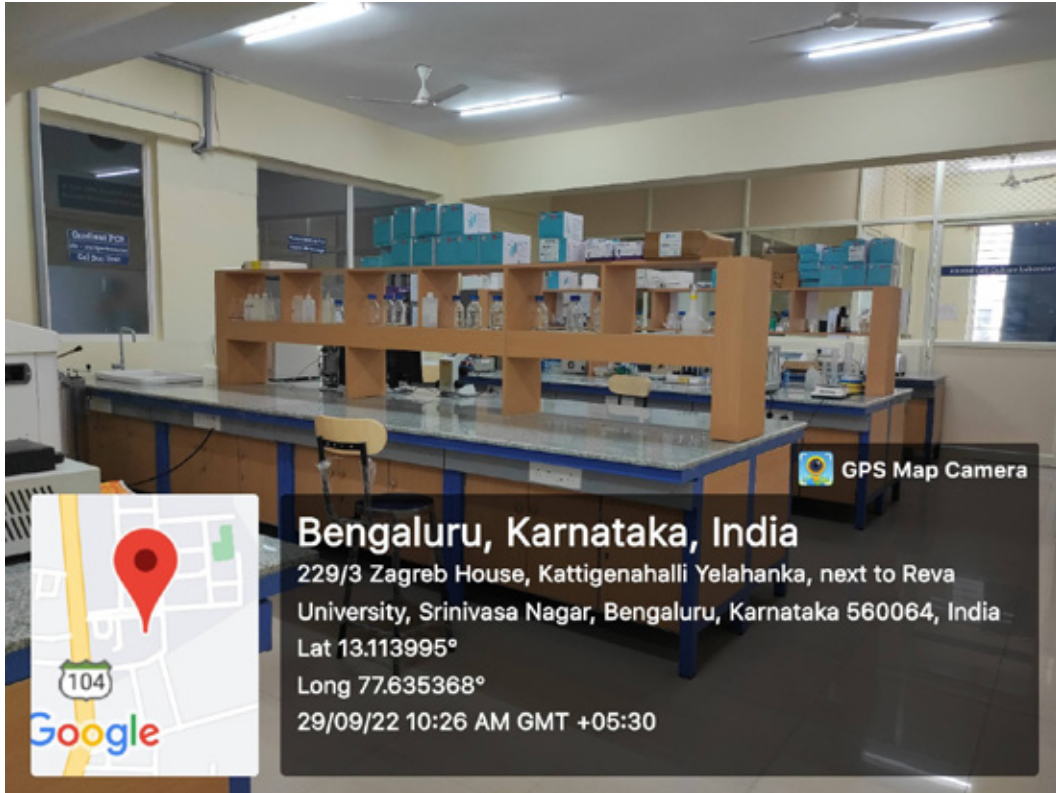
Bengaluru, India

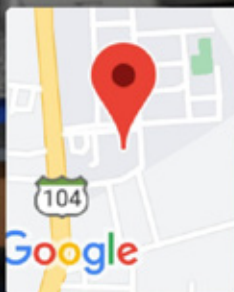
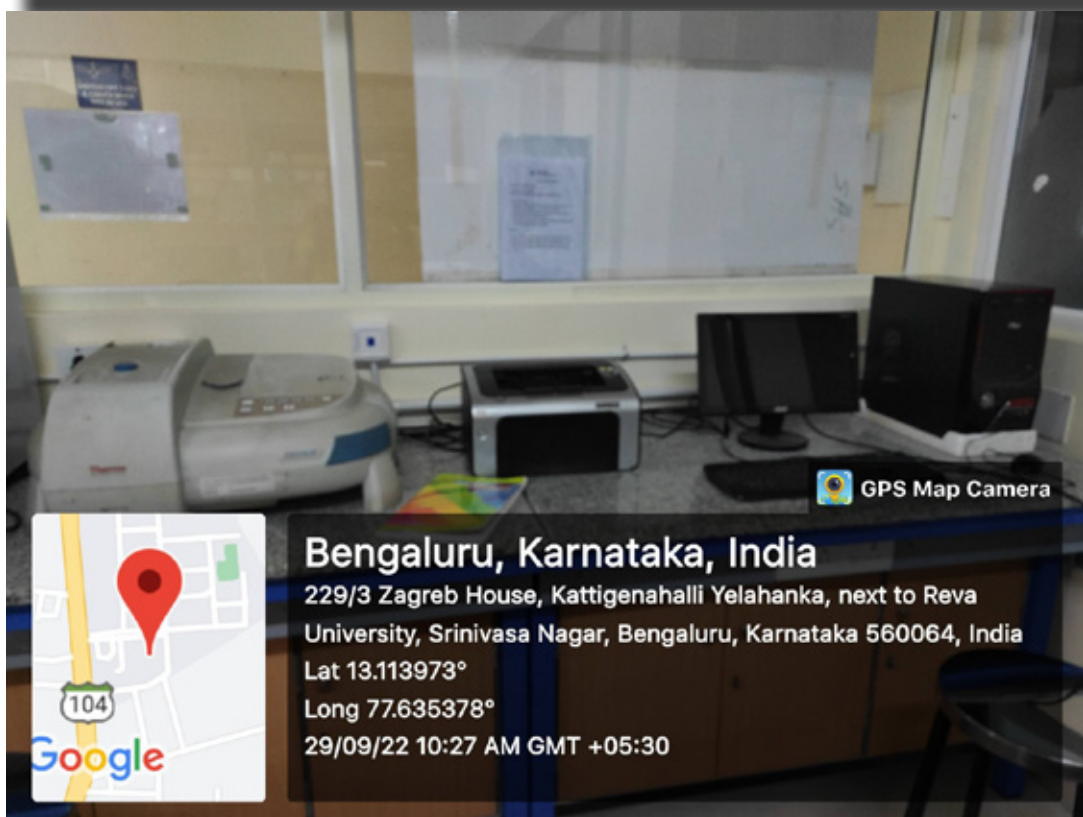
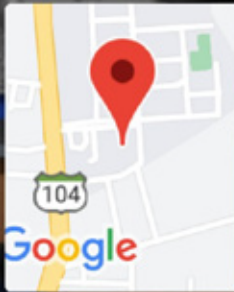
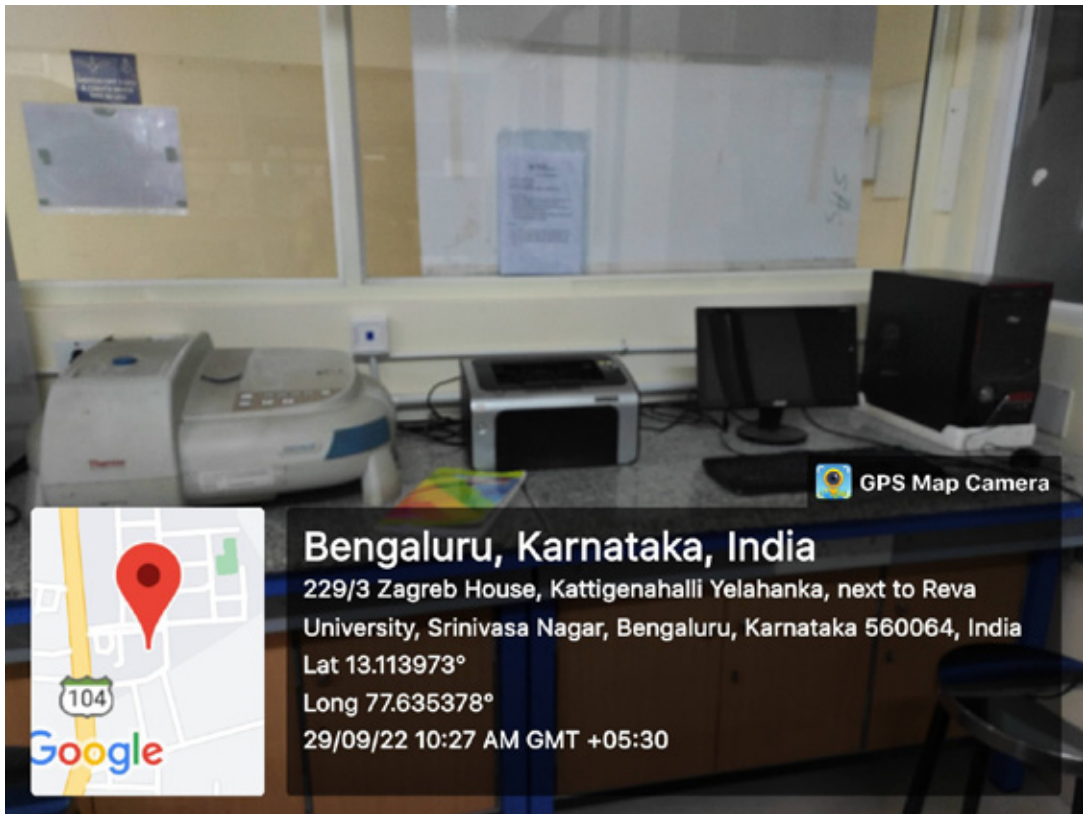
Central Instrumentation Centre

Central Instrumentation Centre


In order to cater to the need of researchers in different areas, the Central Instrumentation Centre at REVA was established in the campus with the support from the university fund. The Centre now houses sophisticated analytical instruments which are operated and maintained by a dedicated and qualified group of Scientists and Engineers. This facility is open to all the researchers from universities, academic institutes, national research institutes, defence institutes, and industries in Karnataka.

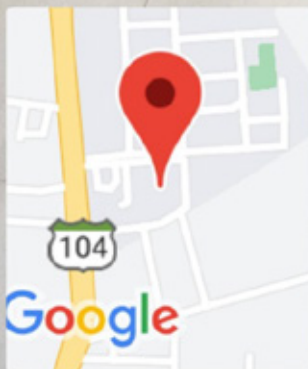








 GPS Map Camera



Bengaluru, Karnataka, India

4J7P+H54, Srinivasa Nagar, Bengaluru,

Karnataka 560064, India

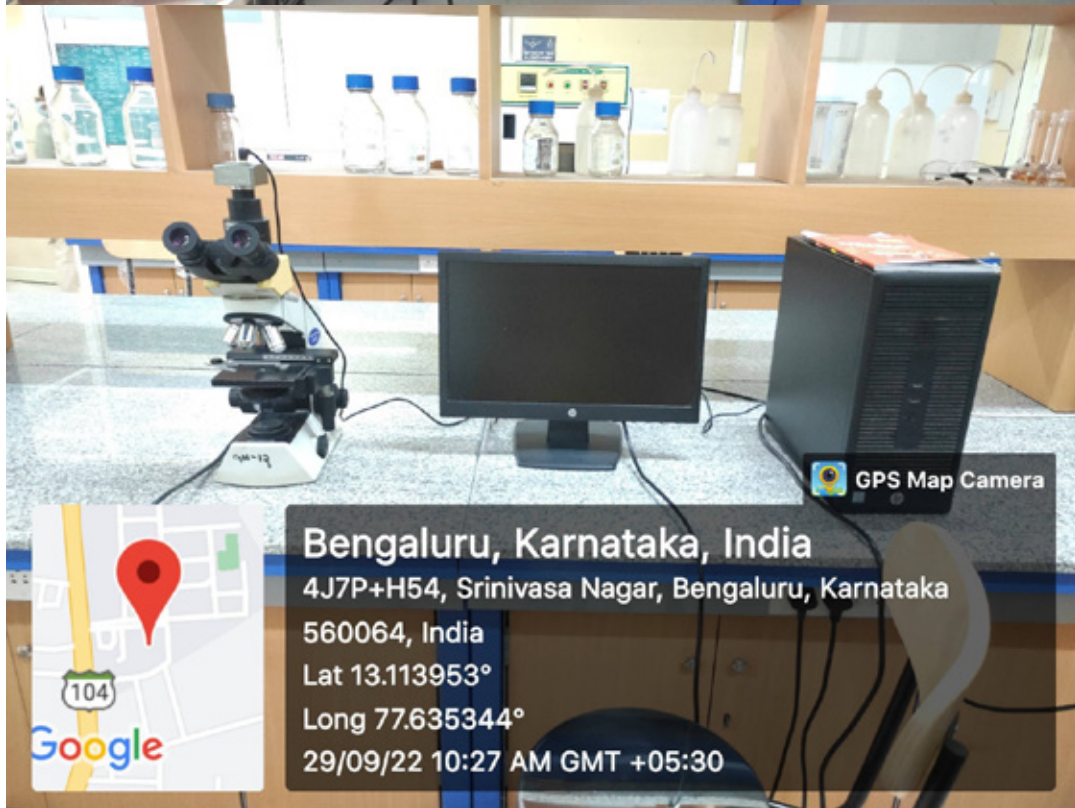
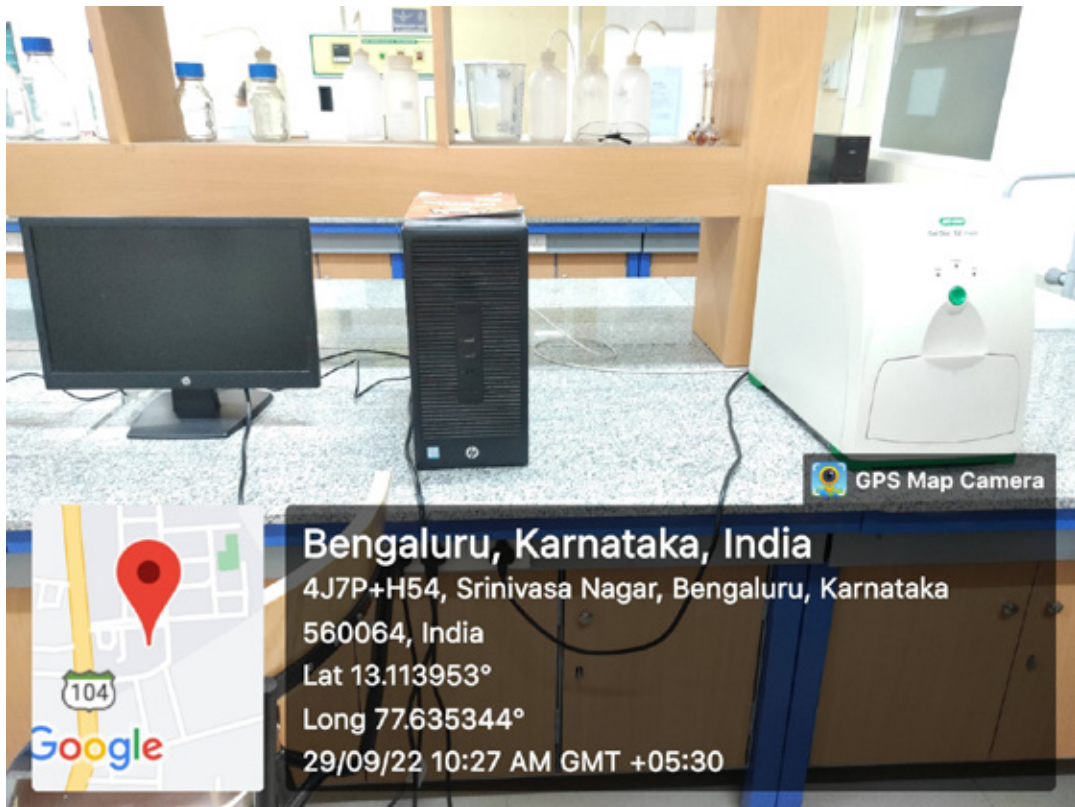
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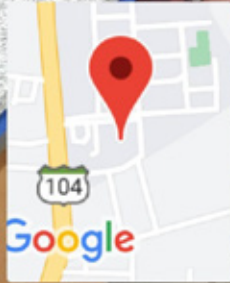
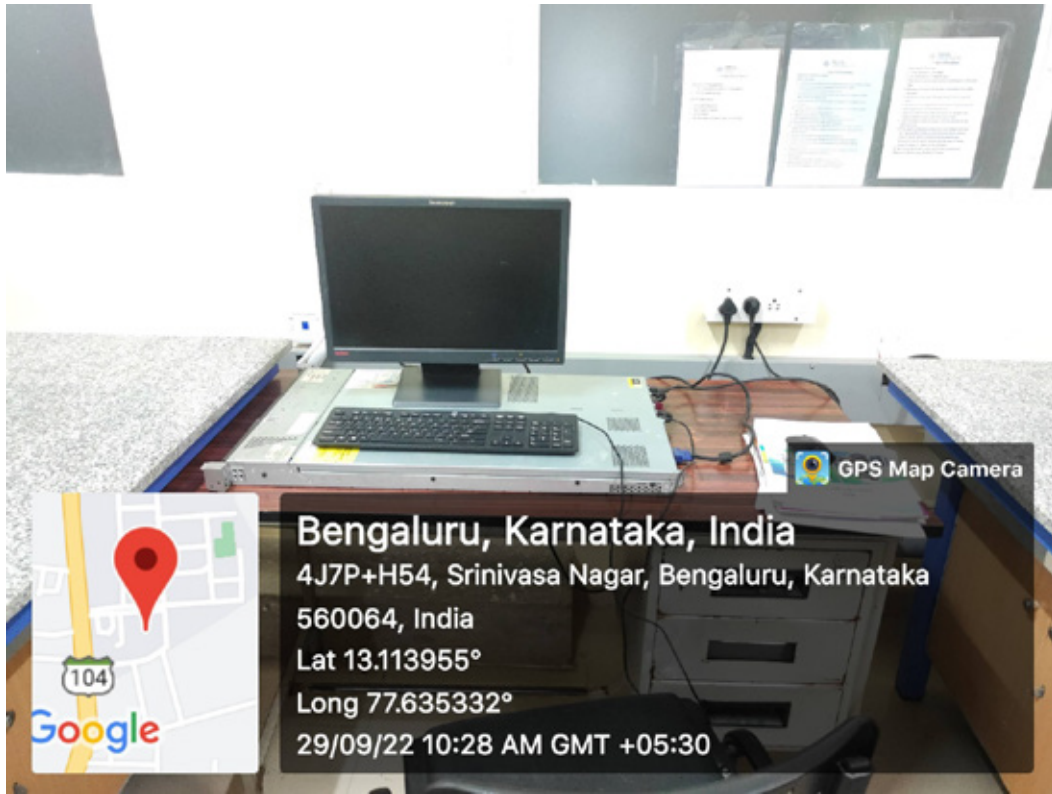
Long 77.635355°

29/09/22 10:27 AM GMT +05:30



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REVA University
Bengaluru - 560 064





Bengaluru, Karnataka, India

4J7P+H54, Srinivasa Nagar, Bengaluru, Karnataka

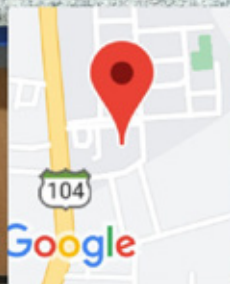
560064, India

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560064, India

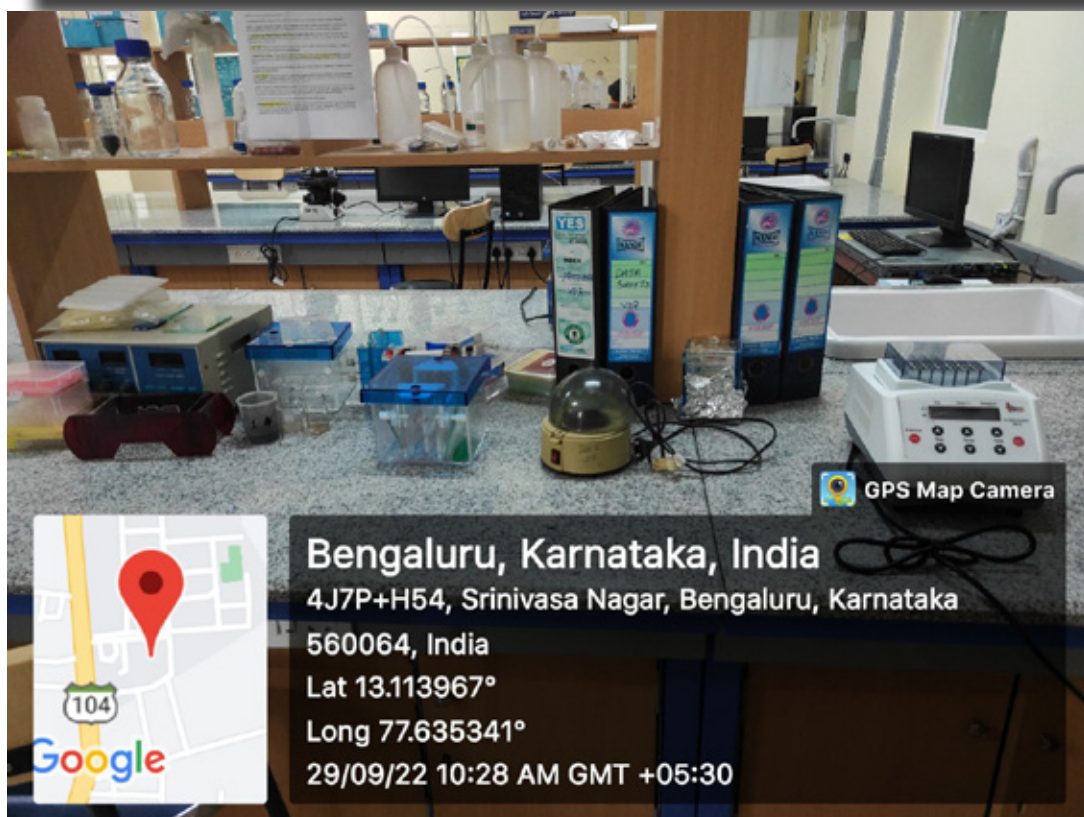
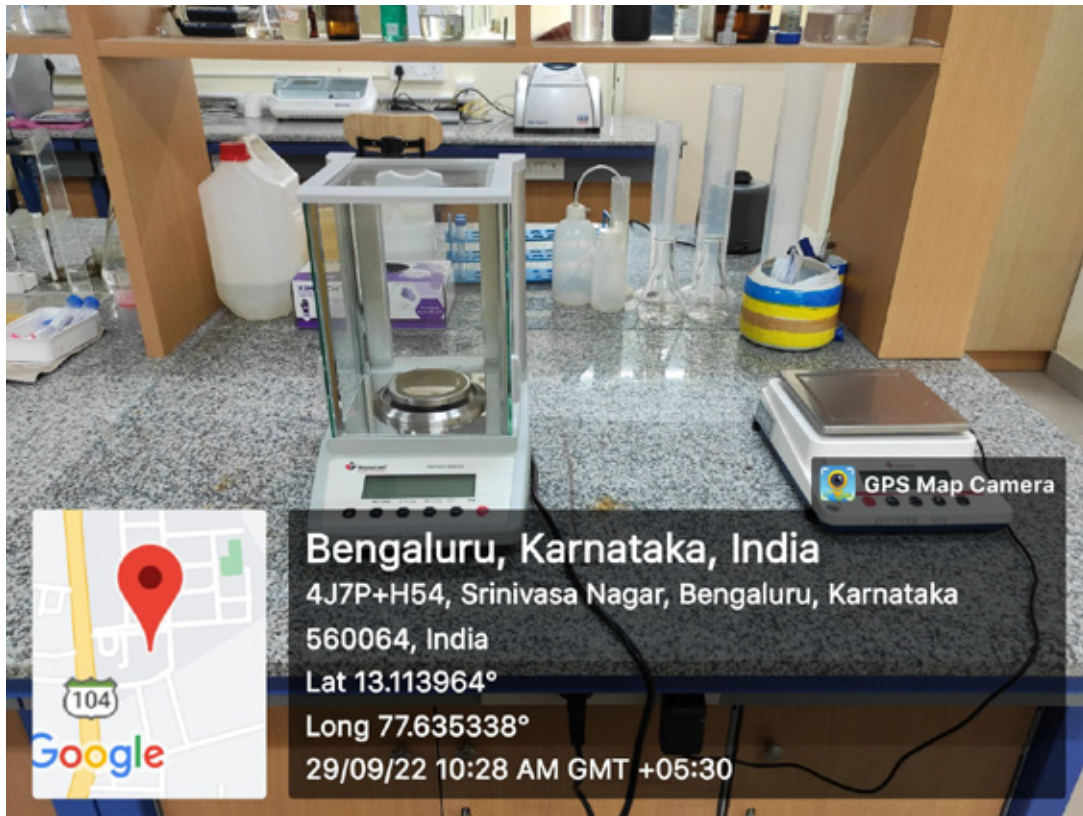
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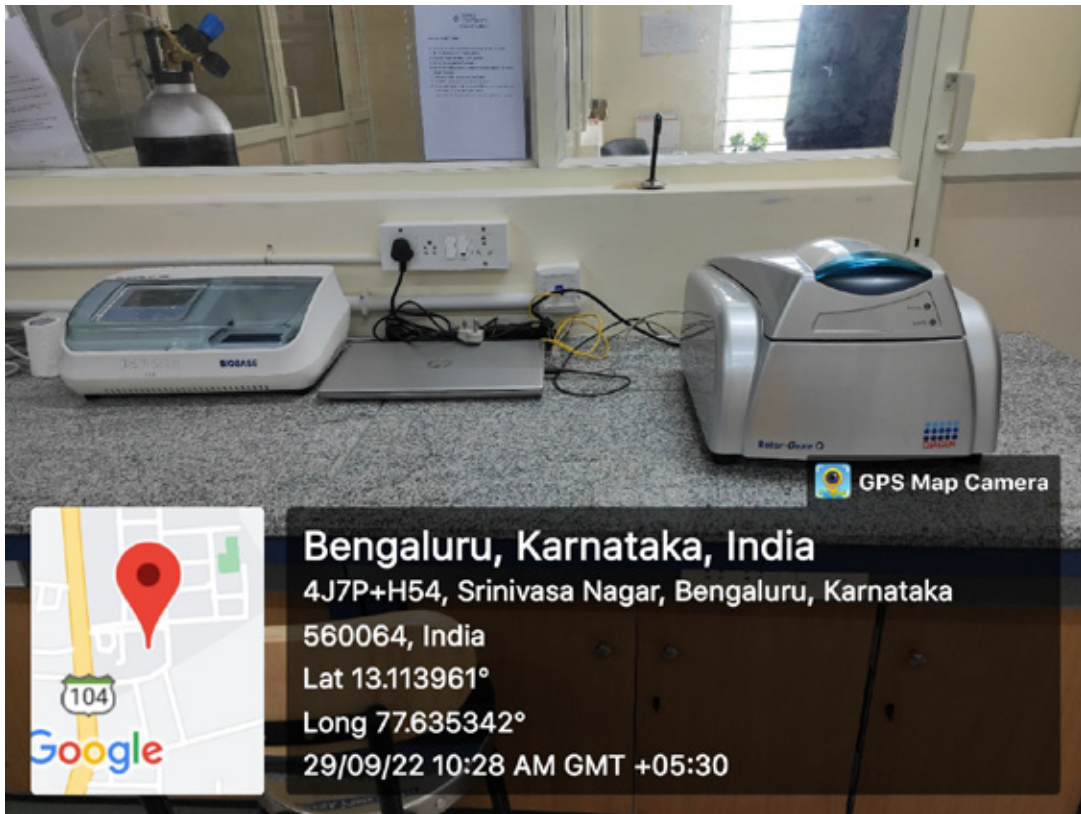
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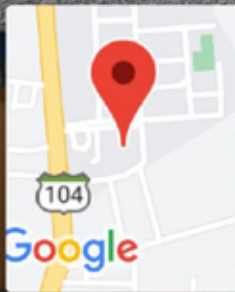
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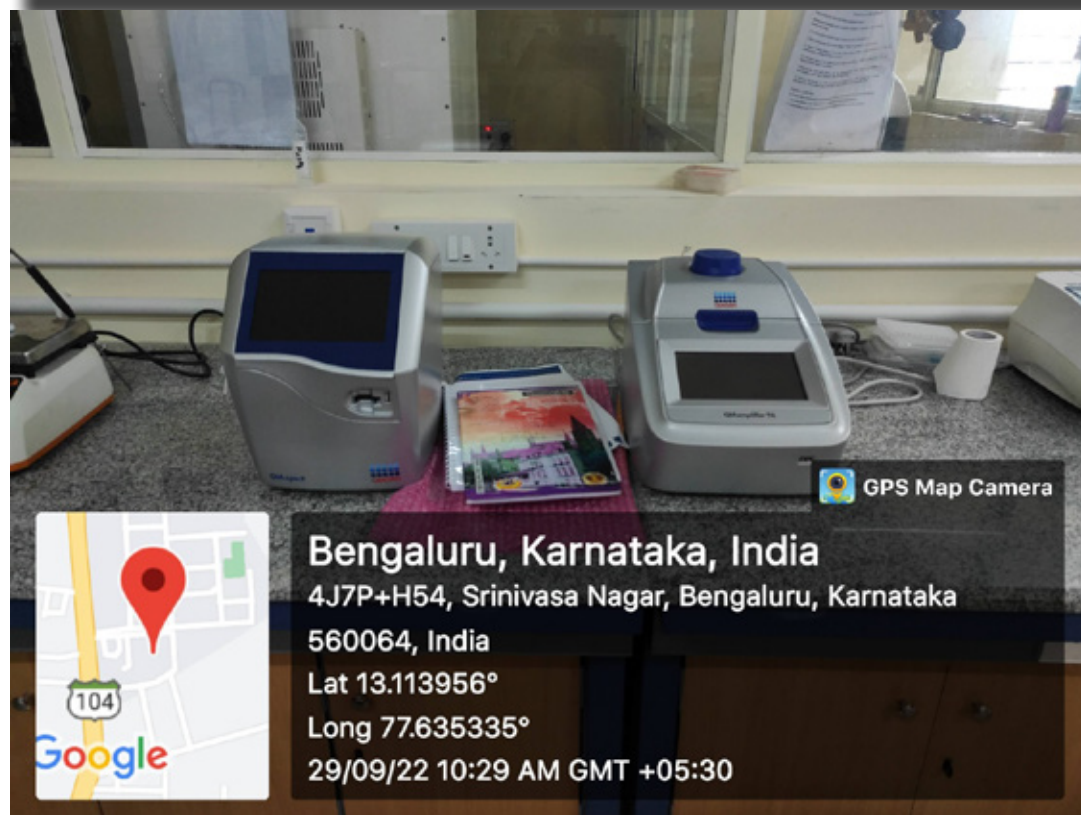
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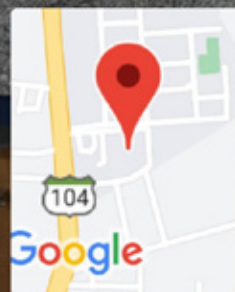
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Long 77.635342°

29/09/22 10:28 AM GMT +05:30



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Bengaluru, Karnataka, India

4J7P+H54, Srinivasa Nagar, Bengaluru, Karnataka

560064, India

Lat 13.113956°

Long 77.635335°

29/09/22 10:29 AM GMT +05:30

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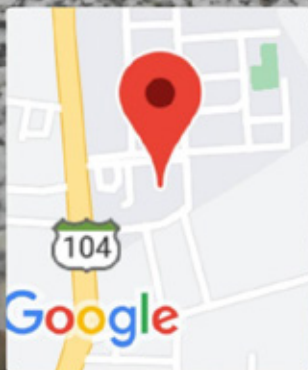
Bengaluru, India



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Bengaluru, Karnataka, India

4J7P+H54, Srinivasa Nagar, Bengaluru,
Karnataka 560064, India

Lat 13.113944°

Long 77.635314°

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Bengaluru - 560 064



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Bengaluru, Karnataka, India

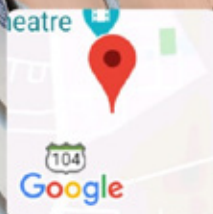
Reva University Swami Vivekananda Block, Srinivasa

Nagar, Bengaluru, Karnataka 560064, India

Lat 13.115042°

Long 77.634586°

03/02/23 02:47 PM GMT +05:30



Bengaluru, Karnataka, India

229/3 Zagreb House, Kattigenahalli Yelahanka, next to Reva University,

Bengaluru, Srinivasa Nagar, Bengaluru, Karnataka 560064, India

Lat N 13° 6' 50.02452"

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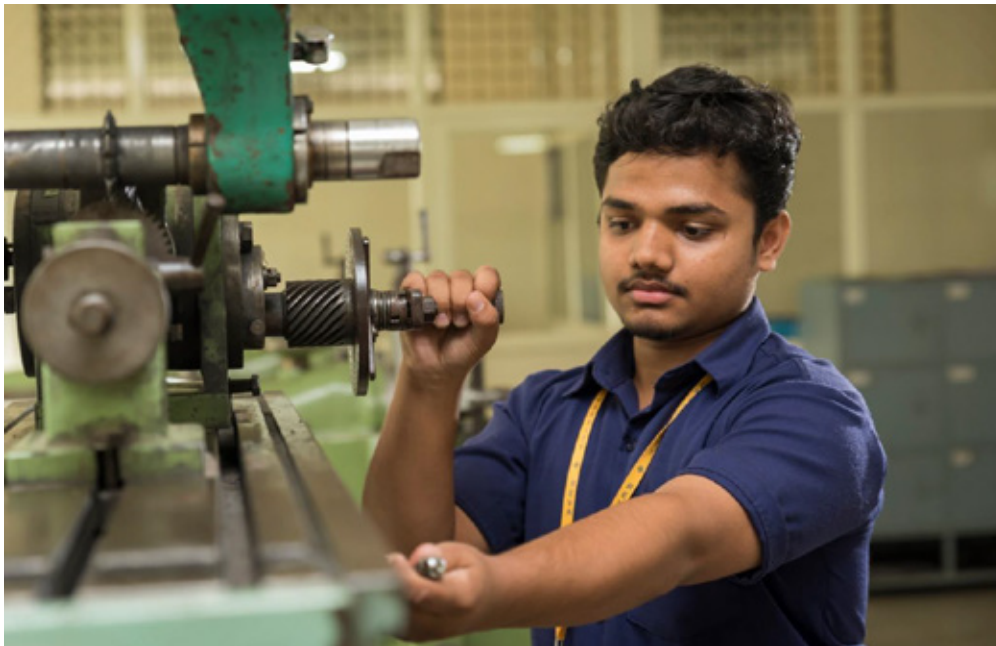
80° F

237° SW

23.0 μ T

Central Fabrication Centre School of Mechanical Engineering REVA University

The Central fabrication unit consists of various facilities/shops with well-equipped latest tools, equipment and machineries to support the students to fabricate their experimental set-up with the required quality and quantity within stipulated time. Further, the unit supports all branches of student's research, academic projects, minor and major projects of B.Tech, M.Tech and Ph.D. and supporting the college in infra structure fabrication works.



Central Instrumentation Facility School of Mechanical Engineering REVA University

The Central Instrumentation Facility (CIF) has been created with a concept of providing characterization services to the researchers within and outside REVA university. The CIF has a complement of state of the art instruments. It has been founded with an objective of providing a central facility of latest and advanced analytical Instruments for research in interdisciplinary sciences. It caters to the interdisciplinary applications in research to all those are deprived of such facilities including academic research institutes, universities, and industries.





Research Facilities School of Mechanical Engineering REVA University

BALL MILLING MACHINE

Planetary Ball Mills are used wherever the highest degree of fineness is required. In addition to well-proven mixing and size reduction processes, these mills also meet all technical requirements for colloidal grinding and provide the energy input necessary for mechanical alloying. The extremely high centrifugal forces of a planetary ball mill result in very high pulverization energy and therefore short grinding times.

WEAR TESTING MACHINE

The Ducom Pin/Ball on Disk Tribometer is a test instrument designed for accurate and repeatable tribological characterization of bulk materials, coatings and lubricants. Easily changeable holders allow to quickly change the nature of tribological contact to something that is relevant to their application. Pin/Ball on Disk Tribometers that are designed to meet highly specialized testing needs ranging from tests in exotic environments like pressurized helium or molten sodium to very high or low temperatures, loads and speeds.



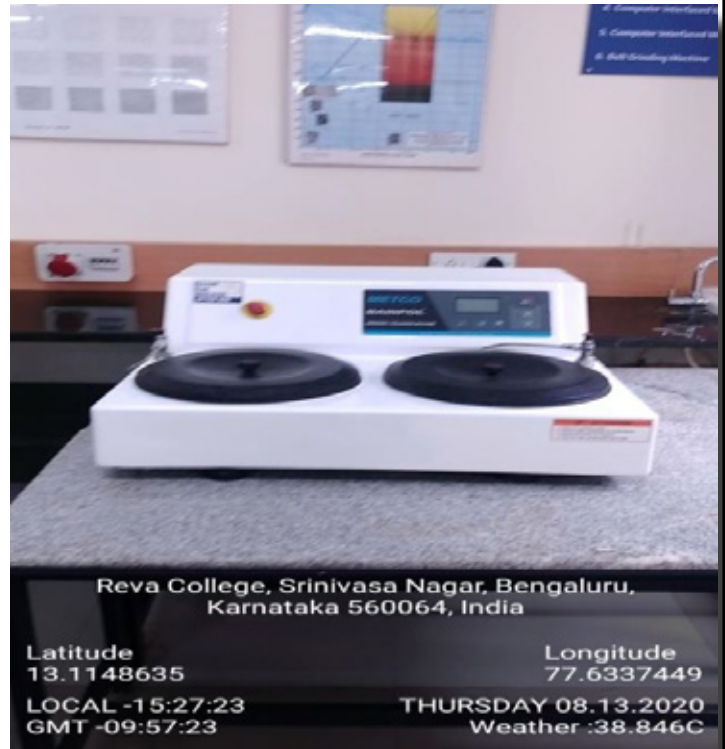


DISC POLISHING MACHINE

Disc polishing is used to polish the metal surface to get a mirror finished surface. It's necessary to get a clear view of the microstructure of the specimen. It's done through a series of SiC sheets, diamond platens, cloths, and suspension to obtain a mirror finish and planar surface in the specimen.

BELT GRINDING MACHINE

Belt grinding is a step in the sample preparation. It is used to obtain a flat surface on the metals.





DENSITY MEASUREMENT

Density determination kit used to determine density of liquid (other than water) and temperature of water.

- In case of multiple samples, storage of the entire sample weights in air first and then in water, viewing of density of individual samples one by one on the display.
- Determination of density of liquid samples
- Determination of air release value for oil samples

MICRO VICKERS HARDNESS TESTER

It's used to determine a vickers hardness number of different types of metals. It is designed for both Knoop and Vickers offer a versatile, affordable, and reliable solution for accurate micro-hardness testing, both for quality control and for metallurgical research applications.



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OPTICAL MICROSCOPE

Optical Microscope used for obtain microstructure of different alloys for a magnification of 50x to 1000x.also used to analyze porosity, coating thickness, grain size, micro hardness of various alloys.

CRYOMILLING

The 8000M Mixer/Mill is a high-energy ball mill that grinds up to 0.2 - 10 grams of dry, brittle samples. The vial, which contains a sample and one or more balls, is shaken in a complex motion that combines back-and-forth swings with short lateral movements



Reva College, Srinivasa Nagar, Bengaluru,
Karnataka 560064, India

Latitude
13.1148635

Longitude
77.6337449

LOCAL -15:25:49
GMT -09:55:49

THURSDAY 08.13.2020
Weather :38.901C



Reva College, Srinivasa Nagar, Bengaluru,
Karnataka 560064, India

Latitude
13.1148635

Longitude
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THURSDAY 08.13.2020
Weather :38.846C



DYANAMIC TESTING MACHINE

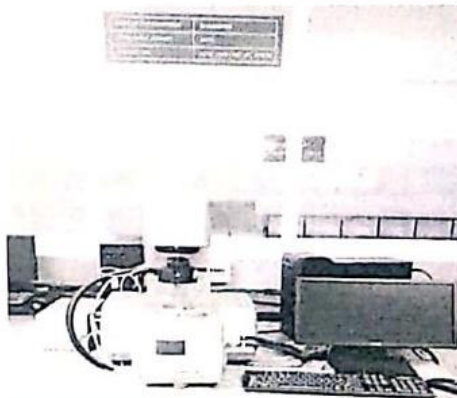
It's used to study behavior under dynamic loading also used to perform practically all standard tests to characterize mechanical behavior of materials like tensile,compression,3 point flexural bending, low cycle fatigue, crack propagation



Reva College, Srinivasa Nagar, Bengaluru,
Karnataka 560064, India
Latitude 13.1148635 Longitude 77.6337449
LOCAL -18:28:20 THURSDAY 08.13.2020
GMT -09:58:20 Weather 38.846C

RHEOMETER

A rheometer is a laboratory device used to measure the way in which a liquid, suspension or slurry flows in response to applied forces. It is used for those fluids which cannot be defined by a single value of viscosity and therefore require more parameters to be set and measured than is the case for a viscometer. It measures the rheology of the fluid.



Reva College, Srinivasa Nagar, Bengaluru,
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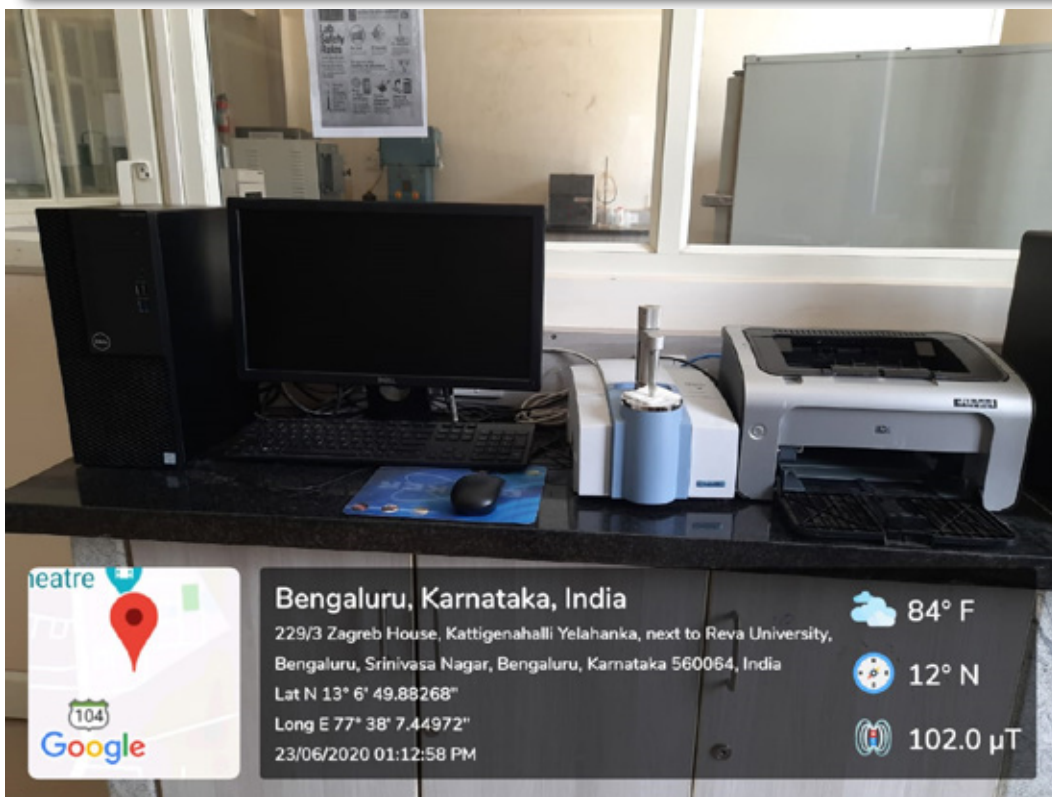
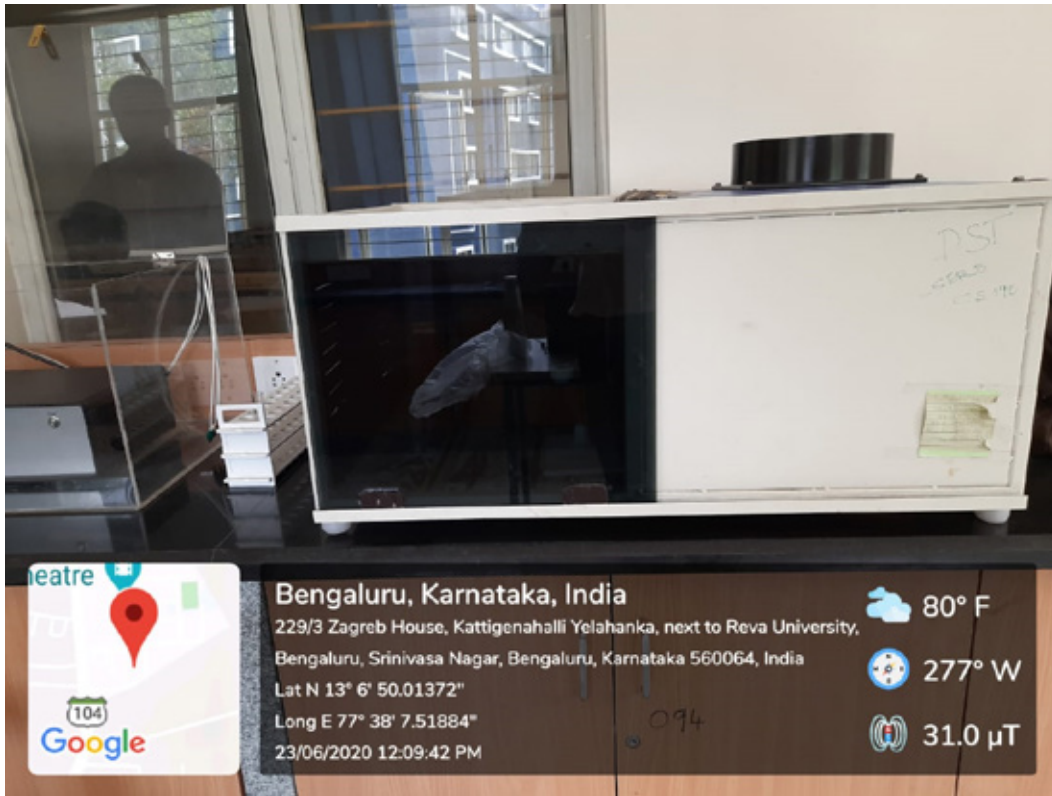

Director
School of Mechanical Engineering
REVA University

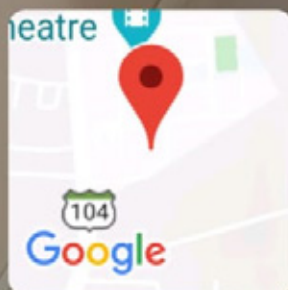

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Research and Innovation Council
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Bengaluru, Karnataka, India

229/3 Zagreb House, Kattigenahalli Yelahanka, next to Reva University,
Bengaluru, Srinivasa Nagar, Bengaluru, Karnataka 560064, India
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Long E 77° 38' 7.4922"
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167° S

55.0 μ T



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Bengaluru, India



GPS Map Camera

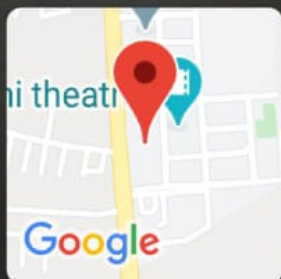
Bengaluru, Karnataka, India
4J7P+H54, Srinivasa Nagar, Bengaluru,
Karnataka 560064, India
Lat 13.113875°
Long 77.635478°
03/02/23 12:15 PM GMT +05:30

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Bengaluru, India



Sathanur, Karnataka, India

Reva College, Srinivasa Nagar, Bengaluru, Karnataka 560064, India

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Bengaluru - 560 064




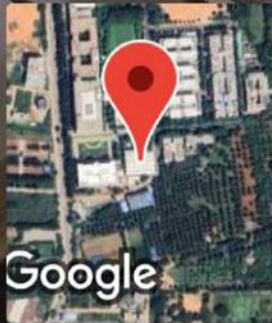


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Bengaluru, India



 **GPS Map Camera**



Bengaluru, Karnataka, India

229/3 Zagreb House, Kattigenahalli Yelahanka,
next to Reva University, Srinivasa Nagar,
Bengaluru, Karnataka 560064, India

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Long 77.635483°

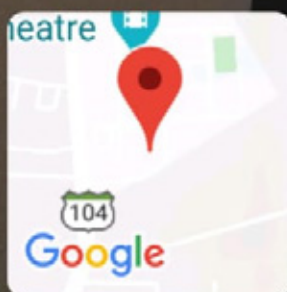
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229/3 Zagreb House, Kattigenahalli Yelahanka, next to Reva University, Bengaluru, Srinivasa Nagar, Bengaluru, Karnataka 560064, India

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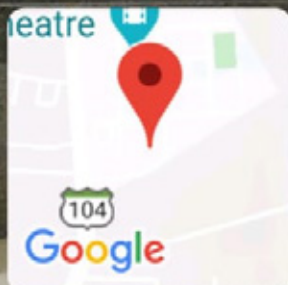
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Bengaluru, Karnataka, India
4J7P+H54, Srinivasa Nagar, Bengaluru,
Karnataka 560064, India
Lat 13.113869°
Long 77.635431°
03/02/23 12:07 PM GMT +05:30

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229/3 Zagreb House, Kattigenahalli Yelahanka, next to Reva University, Bengaluru, Srinivasa Nagar, Bengaluru, Karnataka 560064, India

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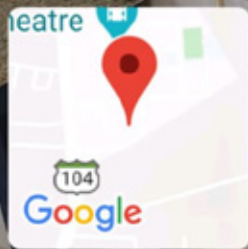
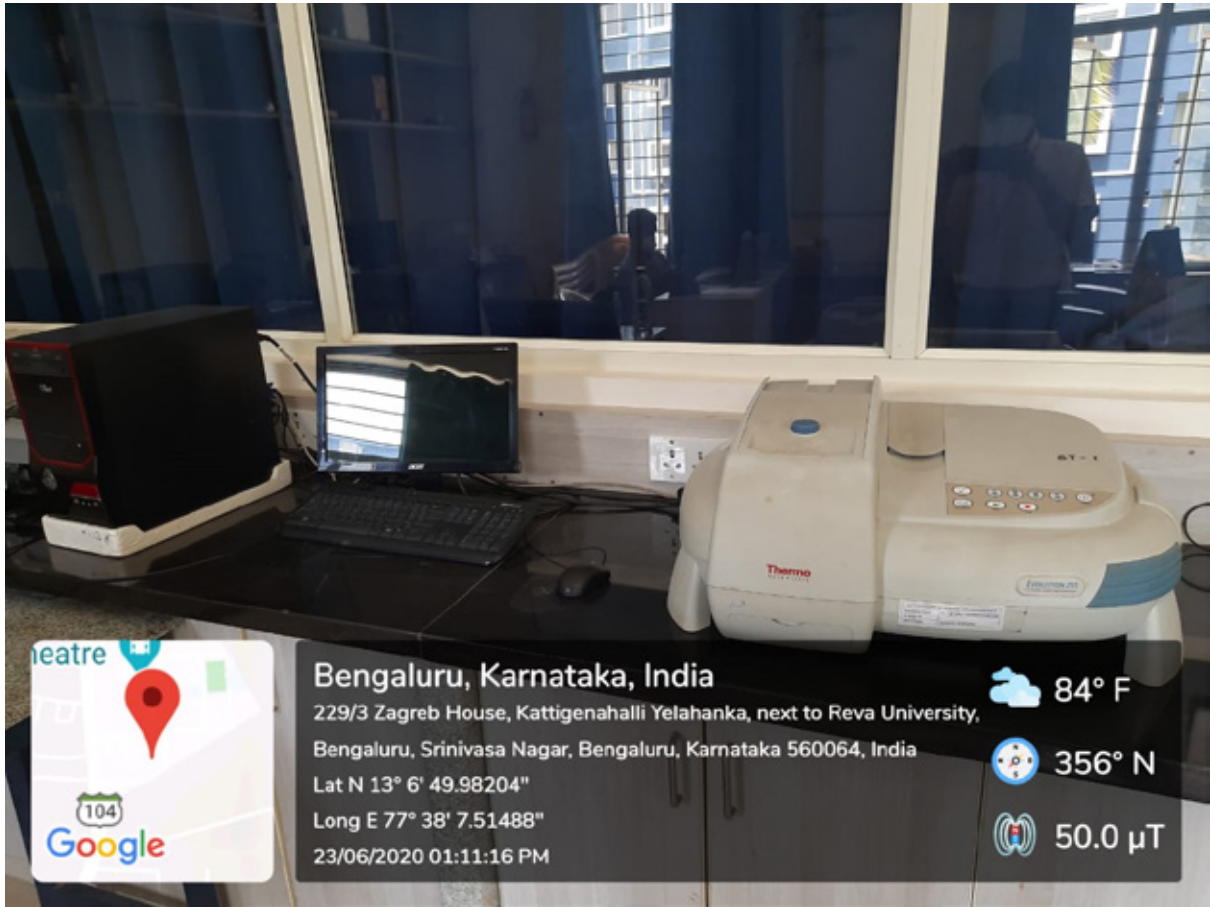
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229/3 Zagreb House, Kattigenahalli Yelahanka, next to Reva University,

Bengaluru, Srinivasa Nagar, Bengaluru, Karnataka 560064, India

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4J7P+H54, Srinivasa Nagar, Bengaluru,
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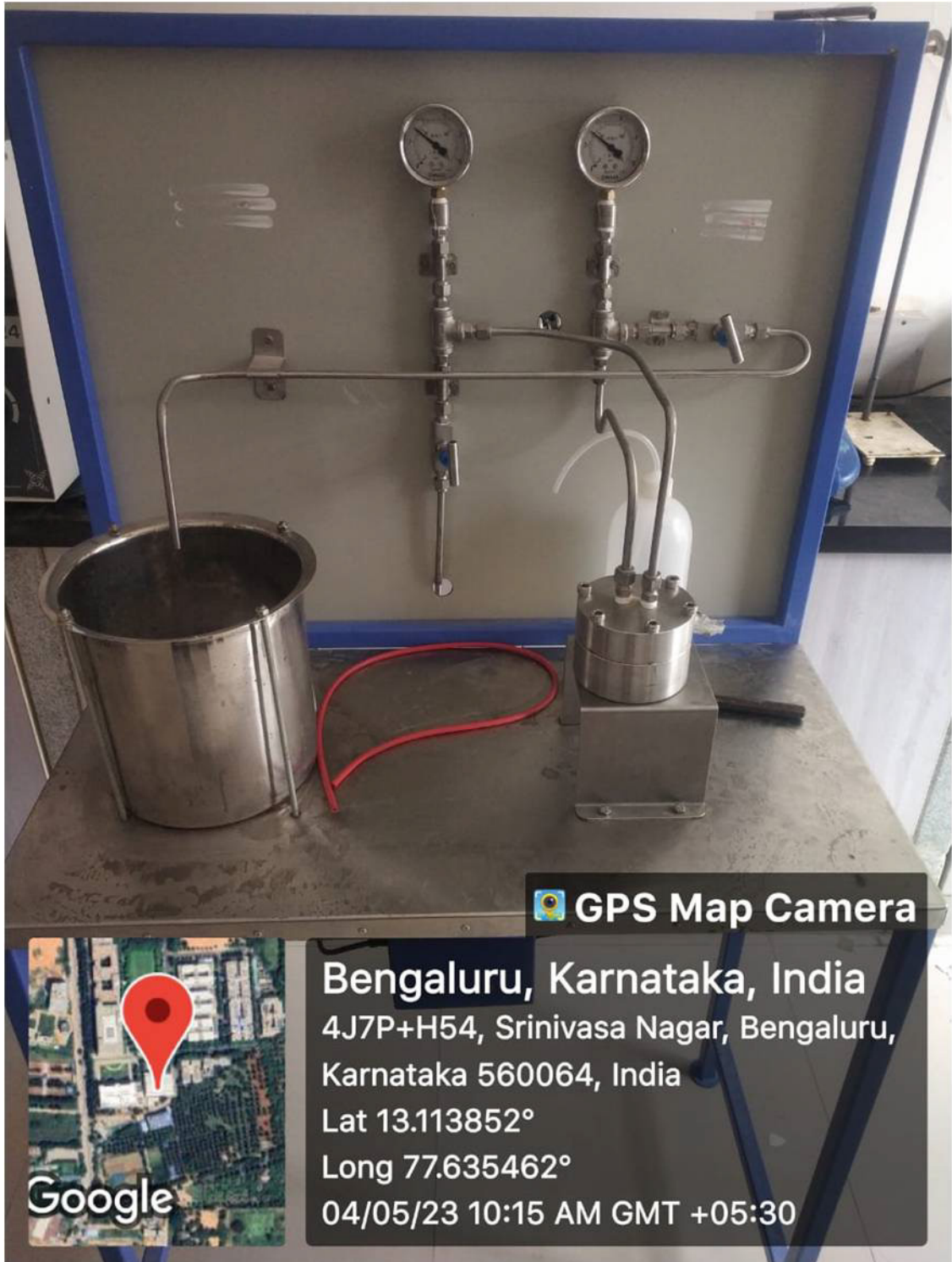
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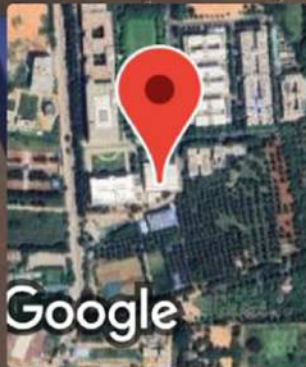


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4J7P+H54, Srinivasa Nagar, Bengaluru,
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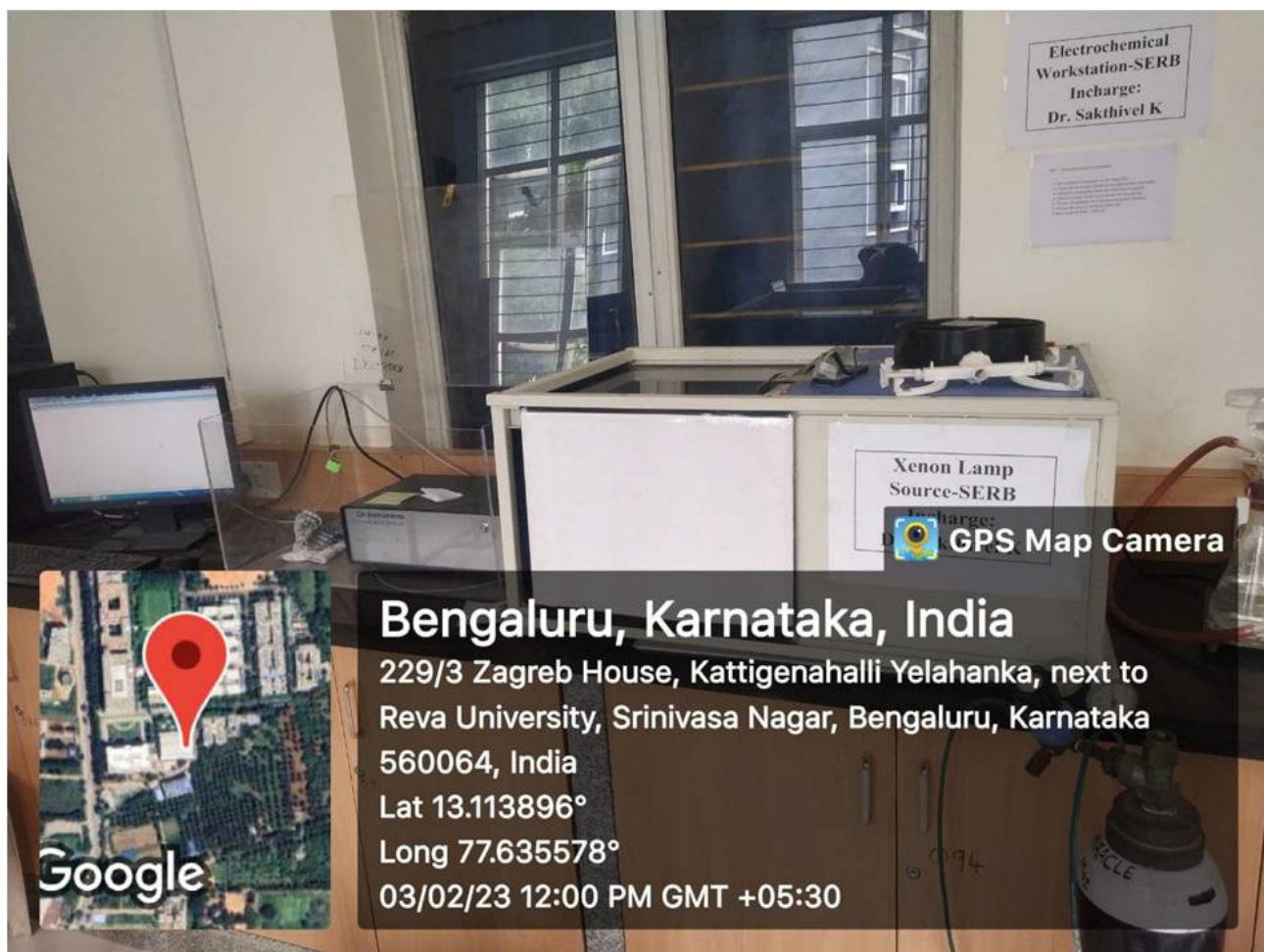
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229/3 Zagreb House, Kattigenahalli Yelahanka, next to
Reva University, Srinivasa Nagar, Bengaluru, Karnataka
560064, India

Lat 13.113896°

Long 77.635578°

03/02/23 12:00 PM GMT +05:30

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Guidelines to use the Central Instrumentation Centre:

- Those desiring to use the Centre facilities are expected to fill all the details in sign up form and then proceed with the booking of the facility (except Sundays/Holidays/First/Third Saturday of every month).
- Confirmation for your slot bookings would be given 2 days prior to the slot date if the Centre is free
- Only after completion of booked slot the user will be allowed to book another slot for the particular instrument. However the user is free to book slot for other instrument.

Requisition form has to be obtained from the office of

- Separate samples should be sent for different analysis.
- Samples will not retained unless a special request is made.
- Radio-active material, unstable, explosive compounds are not accepted for analysis.
- Pendrives or any other such Hard Disks will not be permitted.



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Rukmini Knowledge Park, Kattigenahalli
Yelahanka, Bengaluru - 560 064
Karnataka, India.

Ph: +91- 90211 90211, +91 80 4696 6966

E-mail: admissions@reva.edu.in

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