

**DEPARTMENT OF PHYSICS**  
**SCHOOL OF ARTS AND SCIENCE**  
**AV CAMPUS, PAIYANOOR – 603 104**

**INDUSTRIAL VISIT REPORT**

<b>Name of the Company</b>	:	<b>IIT Madras, Research</b>
<b>Address</b>	:	<b>IITM RESEARCH PARK, D Block 3rd Floor, Kanagam Rd, Tharamani, Chennai, Tamil Nadu 600113</b>
<b>Date</b>	:	<b>15.11.2023</b>
<b>Programme &amp; Year</b>	:	<b>I, II, III - B.Sc. Physics</b>
<b>Total No. of Students</b>	:	<b>25</b>
<b>No. of Faculties</b>	:	<b>3</b>
<b>No. of Non-teaching Staff</b>	:	<b>1</b>



## Confirmation email from IITM Research Park, Chennai

To: JAYASHREE AVPH026 <[jayashree.avph026@avsas.ac.in](mailto:jayashree.avph026@avsas.ac.in)>  
Cc: Pragadhish <[pragadhish@incubation.iitm.ac.in](mailto:pragadhish@incubation.iitm.ac.in)>, Ramachandran <[ramachandran@incubation.iitm.ac.in](mailto:ramachandran@incubation.iitm.ac.in)>, Jayasurya <[jayasurya@incubation.iitm.ac.in](mailto:jayasurya@incubation.iitm.ac.in)>, THIYAGARAJAN AVPH027 <[thiyagarajan.avph027@avsas.ac.in](mailto:thiyagarajan.avph027@avsas.ac.in)>, Harikrishnan Nallaiyan <[harikrish.physics05@gmail.com](mailto:harikrish.physics05@gmail.com)>

Dear Madam,

As per your request, the visit for **25 students** to IIT Madras Research Park (IITMRP) & IITM Incubation Cell (ITMIC) is scheduled for **15 Nov 2023 (FN)**. On the day of the visit, assemble at IITMIC, D Block, 3<sup>rd</sup> Floor, IITMRP by **10:45 AM**.

Please note that the venue - IITMRP is NOT inside IIT-Madras campus but is located outside the academic institute. For your convenience, I'm sharing the location in Google Maps here - <https://goo.gl/maps/TR62Vg5jHU9VQNeQ8>  
If you are coming by bus, kindly choose the route via MGR Film City Road, adjacent to Ramanujam SEZ.

Let us know in case of any clarifications. Looking forward to receiving you.

Regards,

**Parthasarathy P**

Associate - Build Club

M: +91 78250 88150 | E: [parthasarathy\\_buildclub@incubation.iitm.ac.in](mailto:parthasarathy_buildclub@incubation.iitm.ac.in)

**IIT-M Incubation Cell**

3<sup>rd</sup> Floor, D Block, IIT Madras Research Park,

Thiruvananthapuram, 605006

## Industrial visit program shedule for Director's approval

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

From: JAYASHREE AVPH026 <[jayashree.avph026@avsas.ac.in](mailto:jayashree.avph026@avsas.ac.in)>

Date: Wed, 8 Nov 2023 at 11:03 AM

Subject: Fwd: School of Arts and Science, Vinayaka Mission's Research Foundation, Chennai campus - IITMRP Visit | 15th Nov 2023 FN|

To: DIRECTOR ARTS & SCIENCE <[directorartsandscience@avit.ac.in](mailto:directorartsandscience@avit.ac.in)>

Cc: THIYAGARAJAN AVPH027 <[thiyagarajan.avph027@avsas.ac.in](mailto:thiyagarajan.avph027@avsas.ac.in)>, Harikrishnan Nallaiyan <[harikrish.physics05@gmail.com](mailto:harikrish.physics05@gmail.com)>, CHANDRU A <[chandru.avct225@avsas.ac.in](mailto:chandru.avct225@avsas.ac.in)>

Dear Madam,

Industrial visit for B.Sc Physics is scheduled on 15th Nov 2023.

We request you to provide transportation through our college bus.

**Pick up from SAS : 8.45 am**

IITM Research park visit : 10.45 to 12.30

**Bus leaving time from IITM RP : 1.30 pm**

SAS reaching time 3.30 pm

We request your approval and forward it to the transportation department.

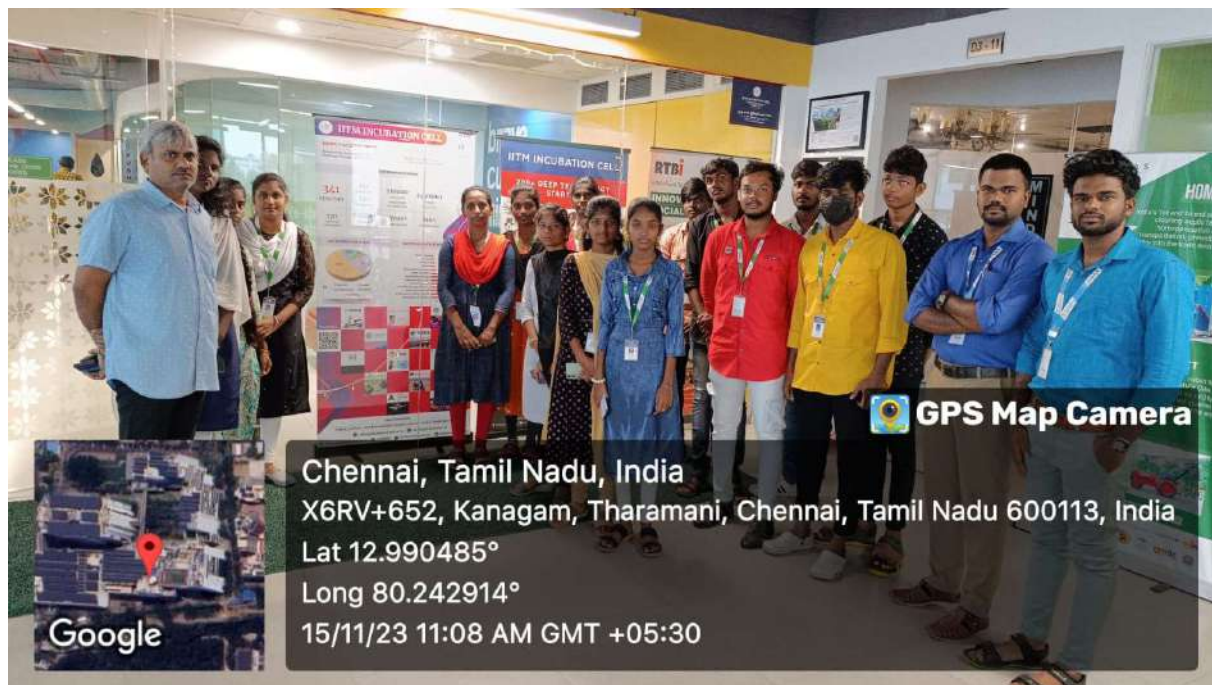
kind regards

Dr. Jayashree Ethiraj

An Industrial visit was organized by the Department of Physics, School of Arts and Science, Vinayaka Mission's Research Foundation, Paiyanoor, Tamilnadu, for I, II and III year B.Sc., students, a total of 25 students. On 15th November, 2023 students got an opportunity to visit Indian Institute of Technology Madras Research Park located at Taramani, Chennai, Tamilnadu, India for the academic year 2023-24. The industrial trip was coordinated by Dr. Jayashree Ethiraj, Mr. P. Thiyarajan, Dr. N. Harikrishnan and Mr. A. Chandru.

### **Purpose of Industrial Visit:**

- ❖ Industry visits help enhance interpersonal skills and communication techniques.
- ❖ Students become more aware of industry practices and regulations during industry visits.
- ❖ They get to have interactions with them and learn industry-specific workings and wisdom.
- ❖ To gain an understanding of the industrial working environment and to visualize all of the important departments.
- ❖ Interaction of students with personnel from all major departments.
- ❖ To prepare students for the choice of a career path in various departments of industry.



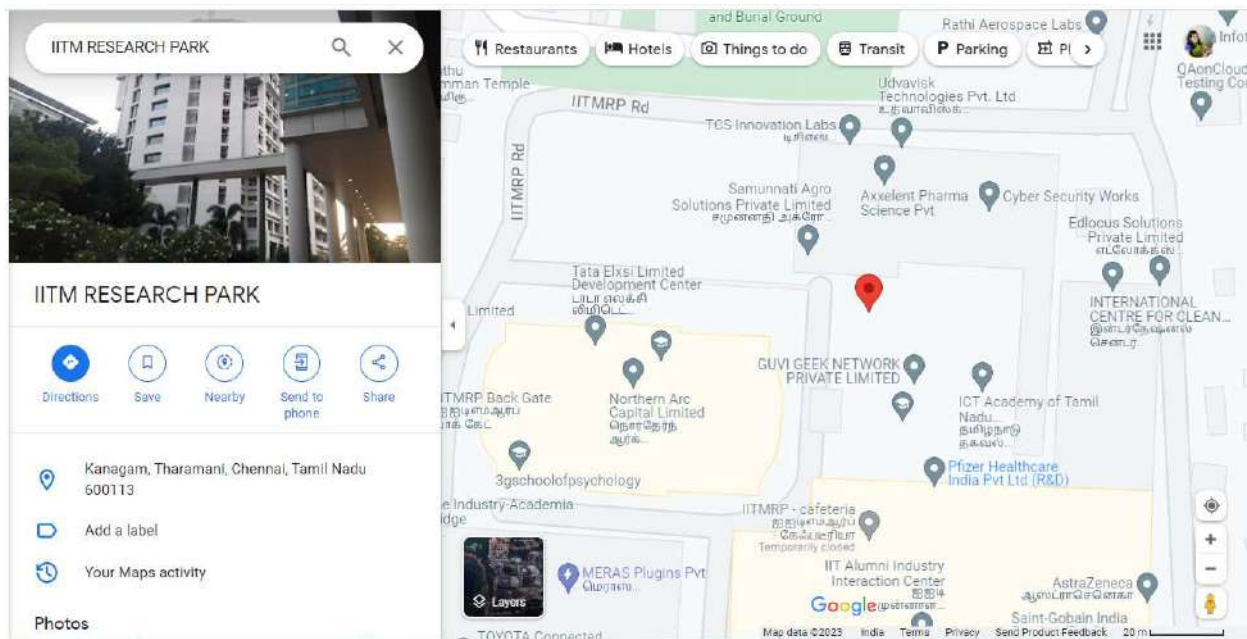


**Centre Profile:**

Indian Institute of Technology Madras (IITM), located at Chennai, a leading hub for manufacturing and Information Technology in Asia, IITM has developed a strong and sustainable relationship with the industry. The integrated institutional support for this relationship is evidenced by IITM’s pioneering Centre for Industrial Consultancy and Sponsored Research (IC&SR), dedicated to nurturing and facilitating industrial interactions. IITM's strong interaction with the industry has set India’s first university-driven Research Park (IITMRP). An independent company under Section 8 of the Companies Act, 2013, promoted by IITM and its alumni, IITMRP assists research-focused companies and organizations to set up base and leverage IITM’s strong scientific expertise. Breaking down the traditional barriers of innovation through its connectivity and collaborative interaction. IITMRP currently houses about 341 companies, including 127 incubated by IITM. Entrepreneurial ventures translating ideas from the academic research to bring practical benefits to communities have been supported from an early phase of IITM’s activities.

**Location**

Indian Institute of Technology Research Park (IITM RP) is located at M.G.R film city road, Taramani, Chennai, Tamilnadu. Other nearby landmarks include the IIT Madras, Adyar Cancer Institute, Anna University, University of Madras–Guindy campus and the Anna Centenary Library.



**Location map of the Visiting Area**

**Start up's and Companies visited:**

1) **GUVI** : We visited GUVI which is incubated by IITM RP, GUVI representative demonstrated about the tech language courses that will support students to get job.



2) **Dextroware devices** :



They offer Assistive technology to aid to Persons with Disabilities (PwD) with device or software that helps all people work around their own challenges. Students gained knowledge about electronics and also tried their product that uses sensor signal from right side of the head to paint. They also showed about augmented reality, how it is used in online retailers like Amazon, Flipkart etc.



### 3) Neomotion's Neobolt



NeoBolt is the ultimate innovation that helps Wheelchair Users move around independently, not within the house, but to work, to shop, to anywhere. They showed us the detachable wheel car and Li ion powered motor, that can move with speed of 25 km. They explained about openings for physics students in their company. They also showed students different kind of batteries they have developed since 2011 and how they segregate precious metals from used batteries. This was live demo for final year students who opted for Renewable energy and energy harvesting as Skill Enhancement Course from their curriculum. IITM RP has a tie-up with India Energy Storage Alliance (IESA), India's leading industry alliance focused on accelerating adoption of energy storage, e-mobility, green hydrogen & microgrids in India.




#### 4) AgniKul Cosmos private limited



R & D center of AgniKul Rocket Factory is situated in IITM RP houses and they have a metal 3D printer from a German-based company EOS. The facility has been designed to produce two rocket engines per week. The 3D-printed Agnilet rocket engine was successfully test-fired in early 2024. The private rocket engine factory opens at a time when the rocketship of Indian space tech startups is finding the escape velocity to take off, paving the path for private participation in the space sector. Due to security restrictions no cameras and phones were allowed inside.



Our Industrial visit reported by IITM Incubation Cell in their LinkedIn page

 **IITM Incubation Cell**  
20,013 followers  
1d • 🌐

**#TourDelITMIC** – 25 students pursuing their under graduation in Physics from **Vinayaka Mission's Research Foundation - University**, School of Arts and Science, Paiyanoor Campus, had visited IIT Madras Research Park. The students were taken around the startup ecosystem at IITM Incubation Cell, visited few centers and impressed with some of the advanced deep tech startups including that of **AgniKul Cosmos**.

**#TourDelITMIC, #IITMIC, #IITMRP #DeepTech #Startup\_ecosystem #Entrepreneurship #Industrial\_Visit**

**Vinayaka Mission's Research Foundation,**  
Chennai  
15 November 2023





with Dextroware Devices and 1 other

#TourDelITMIC



### Strength behind the visit:

The Director of SAS, **Dr. Nazeema T.H**, strongly appreciated, encouraged and proposed that an industrial visit for physics students will be helpful to know about the startups and companies. The knowledge will help them to find internship during their final year thereby fetching students their desired job.

### Feedback from students:

We are thankful to all our faculties for organizing such an Informative event for us which is incrucial for development of our skills. We hope to have more oppportunities in the future.

