

**(Summer Research Internship Programme, SRIP 2024)****List of Provisionally selected/waitlisted candidates**

<b>Project ID:</b>	<b>01</b>
<b>Name of project:</b>	<b>Development of System and ML Algorithms for Life Detection Under Debris Environments</b>
<b>Name of Project Investigator (PI):</b>	<b>Dr. Ramnarayan Yadav</b>
<b>Name of Project co-investigator nominated by PI (if any):</b>	<b>Dr. Prasun Chandra Tripathi</b>

**List of provisionally selected candidates for internship:**

1. Yash Sudesh Ganar

**List of waitlisted candidates for internship:**

1. Mohammed Omer M
2. Vinay Kumar
3. Lee Mario Henriques

<b>Project ID:</b>	<b>02</b>
<b>Name of project:</b>	<b>Properties of Materials based on ab-initio DFT calculations</b>
<b>Name of Project Investigator (PI):</b>	<b>Dr. Brajesh Tiwari</b>

**List of provisionally selected candidates for internship:**

1. Annu Punia
2. Janvi Kumari

**List of waitlisted candidates for internship:**

1. Channchal Chanchal
2. Aarzo
3. Samadrita Bhattacharjee
4. Om Patel

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<b>Project ID:</b>	<b>03</b>
<b>Name of project:</b>	<b>Drone Navigation in the GPS Denied Areas</b>
<b>Name of Project Investigator (PI):</b>	<b>Dr. Abhishek Rawat</b>
<b>Name of Project co-investigator nominated by PI (if any):</b>	<b>Dr. Ajit Kumar</b>

**List of provisionally selected candidates for internship:**

1. Bhavya Patel
2. Mihika Dhakray
3. Spruha Kshirsagar
4. Ritika Raj

**List of waitlisted candidates for internship:**

1. Riya Dewangan
2. Adarsh Jha

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<b>Project ID:</b>	<b>06</b>
<b>Name of project:</b>	<b>CFD simulation of scramjet combustor incorporating kerosene combustion with turbulent chemistry interaction</b>
<b>Name of Project Investigator (PI):</b>	<b>Dr. Ajit Kumar Parwani</b>
<b>Name of Project co-investigator nominated by PI (if any):</b>	<b>Dr. Sumit Tripathi</b>

**List of provisionally selected candidates for internship:**

1. Riya Dewangan

**List of waitlisted candidates for internship:**

1. Shivangi Sinha
2. Harsini S

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And Management (IITRAM)**

<b>Project ID:</b>	<b>07</b>
<b>Name of project:</b>	<b>Heat pump for heat rejection at elevated temperature</b>
<b>Name of Project Investigator (PI):</b>	<b>Dr. Ajit Kumar Parwani</b>
<b>Name of Project co-investigator nominated by PI (if any):</b>	<b>Dr. Sumit Tripathi</b>

**List of provisionally selected candidates for internship:**

1. Mohammad Asad Raza

**List of waitlisted candidates for internship:**

1. Mohd Anas

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<b>Project ID:</b>	<b>09</b>
<b>Name of project:</b>	<b>Parametric Studies on Gas Turbine Engine Test Rig</b>
<b>Name of Project Investigator (PI):</b>	<b>Dr. Sumit Tripathi</b>
<b>Name of Project co-investigator nominated by PI (if any):</b>	<b>Dr. Ajit Kumar Parwani</b>

**List of provisionally selected candidates for internship:**

1. Vishal Raika

**List of waitlisted candidates for internship:**

1. Shivangi Sinha
2. Hrithik Raj
3. Thirupathi Rao Dokkari

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<b>Project ID:</b>	<b>10</b>
<b>Name of project:</b>	<b>AI/ML based approaches for modelling core annular flow</b>
<b>Name of Project Investigator (PI):</b>	<b>Dr. Sumit Tripathi</b>
<b>Name of Project co-investigator nominated by PI (if any):</b>	<b>Dr. Ajit Kumar Parwani</b>

**List of provisionally selected candidates for internship:**

1. Umang Khatri

**List of waitlisted candidates for internship:**

1. Sampreeth Parsi Parsi

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<b>Project ID:</b>	<b>11</b>
<b>Name of project:</b>	<b>Numerical / experimental estimation of scouring around bridge pier foundations</b>
<b>Name of Project Investigator (PI):</b>	<b>Dr. Manoj Langhi</b>
<b>Name of Project co-investigator nominated by PI (if any):</b>	<b>-</b>

**List of provisionally selected candidates for internship:**

1. Vishvam Chaudhari
2. Dharmaraju Shivarathri

**List of waitlisted candidates for internship:**

1. Abhinav Kumar
2. Sumit Shukla

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<b>Project ID:</b>	<b>12</b>
<b>Name of project:</b>	<b>Automatic Number Plate recognition using a smartphone</b>
<b>Name of Project Investigator (PI):</b>	<b>Dr. Ravi Bhandari</b>
<b>Name of Project co-investigator nominated by PI (if any):</b>	<b>Dr. Manish Chaturvedi</b>

**List of provisionally selected candidates for internship:**

1. Anshul Kaushal

**List of waitlisted candidates for internship:**

1. Dhruve Kiyawat
2. Abhishek Mali
3. Khushi Shukla

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<b>Project ID:</b>	<b>13</b>
<b>Name of project:</b>	<b>AI-ML for power system applications</b>
<b>Name of Project Investigator (PI):</b>	<b>Krupa Shah</b>
<b>Name of Project co-investigator nominated by PI (if any):</b>	<b>Manjunath K</b>

**List of provisionally selected candidates for internship:**

1. Priyanshi

**List of waitlisted candidates for internship:**

1. Farhan Khan

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<b>Project ID:</b>	14
<b>Name of project:</b>	FOC based BLDC/Stepper Motor Drive Electronics
<b>Name of Project Investigator (PI):</b>	Krupa Shah
<b>Name of Project co-investigator nominated by PI (if any):</b>	Manjunath K

**List of provisionally selected candidates for internship:**

NIL

**List of waitlisted candidates for internship:**

NIL

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<b>Project ID:</b>	15
<b>Name of project:</b>	Robotic hand / Prosthetics hand
<b>Name of Project Investigator (PI):</b>	Dr. Raghavendra Bhalerao
<b>Name of Project co-investigator nominated by PI (if any):</b>	Dr. Manish Chaturvedi

**List of provisionally selected candidates for internship:**

1. Aas Mohammed

**List of waitlisted candidates for internship:**

1. Saurabh Borkar

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<b>Project ID:</b>	<b>16</b>
<b>Name of project:</b>	<b>Text Analysis and Digital Humanities</b>
<b>Name of Project Investigator (PI):</b>	<b>Dr. I Watitula Longkumer</b>
<b>Name of Project co-investigator nominated by PI (if any):</b>	<b>Dr. Shukoor T &amp; Dr. Jagat Rath</b>

**List of provisionally selected candidates for internship:**

1. Krishna Pillai

**List of waitlisted candidates for internship:**

1. Ananya Agarwal

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<b>Project ID:</b>	<b>17</b>
<b>Name of project:</b>	<b>Design of catalyst for biofuel production</b>
<b>Name of Project Investigator (PI):</b>	<b>Dr. Mahuya Bandyopadhyay</b>
<b>Name of Project co-investigator nominated by PI (if any):</b>	<b>Dr. Jagat Rath</b>

**List of provisionally selected candidates for internship:**

1. Kshama Kumari Singh

**List of waitlisted candidates for internship:**

1. Mrinal Sarkar
2. Prerna Patil

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<b>Project ID:</b>	<b>18</b>
<b>Name of project:</b>	<b>Photocatalytic degradation of waste water</b>
<b>Name of Project Investigator (PI):</b>	<b>Dr. Mahuya Bandyopadhyay</b>
<b>Name of Project co-investigator nominated by PI (if any):</b>	<b>Dr. Saurav Das</b>

**List of provisionally selected candidates for internship:**

1. Ayush Maheshkumar Patel

**List of waitlisted candidates for internship:**

1. Rishitha Chowdhary Gutta
2. Panneer Selvam Rakkiah
3. Subashri A

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<b>Project ID:</b>	<b>19</b>
<b>Name of project:</b>	<b>Driver Behavior Analysis using Various Sensor Data</b>
<b>Name of Project Investigator (PI):</b>	<b>Dr Manish Chaturvedi</b>
<b>Name of Project co-investigator nominated by PI (if any):</b>	<b>Dr Ravi Bhandari</b>

**List of provisionally selected candidates for internship:**

1. Aryan Dwivedi

**List of waitlisted candidates for internship:**

1. Subham Kumar H
2. Thirupathi Thalari



**Institute of Infrastructure, Technology, Research  
And Management (IITRAM)**

<b>Project ID:</b>	<b>20</b>
<b>Name of project:</b>	<b>AI application in HVAC systems</b>
<b>Name of Project Investigator (PI):</b>	<b>Dr. Dileep Kumar Gupta</b>
<b>Name of Project co-investigator nominated by PI (if any):</b>	<b>-</b>

**List of provisionally selected candidates for internship:**

NIL

**List of waitlisted candidates for internship:**

NIL

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<b>Project ID:</b>	<b>22</b>
<b>Name of project:</b>	<b>Tool Wear Monitoring for Aerospace Grade Material using AI/ML</b>
<b>Name of Project Investigator (PI):</b>	<b>Dr. Mithilesh K. Dikshit</b>
<b>Name of Project co-investigator nominated by PI (if any):</b>	<b>Dr. Ajit Kumar</b>

**List of provisionally selected candidates for internship:**

1. Ayush Kumar

**List of waitlisted candidates for internship:**

NIL

**Institute of Infrastructure, Technology, Research  
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<b>Project ID:</b>	<b>23</b>
<b>Name of project:</b>	<b>Nanomaterial reinforced high performance polymer nanocomposites for defence applications</b>
<b>Name of Project Investigator (PI):</b>	<b>Dr. Mithilesh K. Dikshit</b>
<b>Name of Project co-investigator nominated by PI (if any):</b>	<b>Dr. Ajit Kumar</b>

**List of provisionally selected candidates for internship:**

1. Om N Patel

**List of waitlisted candidates for internship:**

NIL

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<b>Project ID:</b>	<b>24</b>
<b>Name of project:</b>	<b>Autonomous Intersection Management Using Machine Learning</b>
<b>Name of Project Investigator (PI):</b>	<b>Dr. Ramnarayan Yadav</b>
<b>Name of Project co-investigator nominated by PI (if any):</b>	<b>Dr. Manish Chaturvedi</b>

**List of provisionally selected candidates for internship:**

1. David Uzoma Ekechukwu

**List of waitlisted candidates for internship:**

1. Anshika Agnihotri
2. Lohitha Sravya Uppuluri
3. Vinay Kumar

## Institute of Infrastructure, Technology, Research And Management (IITRAM)

<b>Project ID:</b>	<b>26</b>
<b>Name of project:</b>	<b>RF based drone detection and hacking using Machine Learning</b>
<b>Name of Project Investigator (PI):</b>	<b>Dr. Jagat Jyoti Rath</b>
<b>Name of Project co-investigator nominated by PI (if any):</b>	<b>Dr. Ram Narayan Yadav</b>

### **List of provisionally selected candidates for internship:**

NIL

### **List of waitlisted candidates for internship:**

NIL

### **General notes/instructions:**

1. Hostel facility (shared accommodation) shall be available to internship candidates who wish to avail the facility (on payment basis).
2. Availability of mess facility (on payment basis) is subjected to availability of sufficient students during summer break. Alternatively, tiffin service/eateries are available near IITRAM campus.
3. All provisionally selected internship candidates need to submit No Objection Certificate (NOC) at the time of joining in the prescribed format duly signed and certified by Head of institution (Dean/Registrar/Principal) where they are pursuing their Bachelors/Masters program (refer SRIP 2024 online portal for NOC format; [https://iitram.in/SRIP\\_2024/login.php](https://iitram.in/SRIP_2024/login.php)).
4. All provisionally selected internship candidates shall provide confirmation of acceptance of the internship offer to [assodean\\_research@iitram.ac.in](mailto:assodean_research@iitram.ac.in) latest by 14<sup>th</sup> May 2024. Also if the internship candidate wishes to avail the hostel facility (shared accommodation), the same shall be confirmed by the candidate latest by 14<sup>th</sup> May 2024.
5. In case any candidate is provisionally selected in more than one project, the candidate can only join one project in SRIP 2024. The confirmation in such case shall be provided to [assodean\\_research@iitram.ac.in](mailto:assodean_research@iitram.ac.in) latest by 14<sup>th</sup> May 2024.
6. Details of provisionally selected/waitlisted candidates for the SRIP 2024 project Ids: 4, 5 and 25 shall be announced subsequently ([https://iitram.in/SRIP\\_2024/DataFiles/20240405\\_List%20of%20Project\\_SRIP%202024.pdf](https://iitram.in/SRIP_2024/DataFiles/20240405_List%20of%20Project_SRIP%202024.pdf)).