



IRDO

RESEARCH FELLOWSHIP PROGRAM

IMAGINE

INNOVATE

IMPLEMENT

INFLUENCE

IRDO

ISNEE Research and Development Organization is a pioneering and youthful organization initiated by ISNEE. IRDO offers one of the best inter-disciplinary training for the engineering students.

IRDO encourages the research programs at the student level and also provides financial and technical assistance to the students to research and develop innovative products for better living. Academics enhances their knowledge and our intense experimental training methods help them to gain skills, the experience of working on live projects, confidence and hence boost their career growth by multiple times. IRDO is a place where one learns to imagine, innovate, implement, and influence.

ISNEE Research and Development Organization has been embodied with expert research on the need of introducing this program in the present era where vehicle manufacturing standards are stimulating swiftly. Newbies have to understand that the need of gaining proficiency in this field holds a huge significance. ISNEE has already inhabited various knowledge booster programs for the students in the field of automobiles.

A lot of work goes into manufacturing a vehicle, right from the work taken up on the engine to the interior and exterior designing of the vehicle; each and everything needs to be scrutinized to the highest level of one's thinking. Looking at the rate at which the yardstick is being set right now, a newbie would be nowhere in the league. The IRDO allows you to gain hefty knowledge about how things work in the Automobile industry. IRDO provides you crackerjack facilities and training professionals who would pave way for your preferment in this industry. The professional trainers include major Industrial veterans who would engulf you with legitimate knowledge on every minute aspect that is involved in manufacturing a vehicle.

IRDO

Imagine

Implement

Innovate

Influence

RESEARCH FELLOWSHIP PROGRAM

Research, Innovation, Consultancy, Entrepreneurship, Product Development etc., are the key parameters of academic progress and growth, and IRDO is committed towards ensuring a creative atmosphere for students to take up such activities in emerging areas of engineering and technology. The core lies in innovation and that comes from new ideas that very often emanate from collaborative initiatives. The Research Fellowship Program Initiated by ISNEE Research and Development Organization (IRDO), has been designed to offer a research platform to engineering students where they can work together to design the solution for certain issues highlighted by the research subject of IRDO. With

vast potential and scope, the program seeks to attract the best talent into research thereby realizing the vision of development through innovation. This research program aims to provide the students with practical exposure that broadens their imagination, to explore and establish links between academics and industry. Also, it aims to assist the participants in developing and carrying out major research projects. This 12-month project is powered by ISNEE MOTORSPORTS in the form of a national-level exposition.



MISSION

1. Research and Innovation strive to make the Research Fellowship Program (RFP) a leading national research competition in discoveries, publications, mentoring, training, and in the translation of research into future green mobility benefits. The RFP works towards ensuring that all undergraduates and postgraduates of the engineering domain who wish to enrich their education with research; obtain such experience.

2. Through the Research Fellowship Program, we are trying to make pollution free India thus make the approach of engineering students more innovative and creative in the field of electric vehicles.

VISION

1. To be a center-of-excellence for advanced research, development, and demonstration of innovative mobility solutions with global impact by:

- Advanced research enhancing the efficiency of electric vehicles by providing real-time solutions.
- Enabling knowledge creation and technology transfer by engaging with government agencies, research institutions, and industries.
- Creating a multidisciplinary and collaborative environment for the designing unsurpassed solutions for contemporary problems

2. We envision being recognized as a leading research facility making engineers innovative, entrepreneurial, and successful in advanced fields of engineering to cater to the ever-changing industrial demands and social needs in the automobile technology sector.



MISSION
&
VISION

TEAM



TEAM PROFILE

A group of 25 (maximum) students can enroll to take part in the Research Fellowship Program.

Below mentioned designations are mandatory to be filled while registering the teams online. These details can be changed at any time during the project on the written request of the Faculty Facilitator(s).

1. Faculty Facilitator: Faculty Facilitator is an official appointed by the team/institute who is responsible for providing support and advice when needed, and to provide the necessary scaffolding and teaching of skills when necessary. A minimum of two regular faculties of the institute are required.

2. Team Manager: A Student who is responsible for the day-to-day activities and guidance of their team members under the supervision of the Faculty Facilitators. The team manager sets targets and implements guidelines. A team manager has to ensure that all members understand the team's objectives and work together to achieve it.

3. Project Officer: A Student whose duty is to ensure that the project proceeds within the specified time frame and under the established budget while achieving its objectives.

4. Resource Officer: A Student responsible for receiving and forwarding the list of resources required for the successful execution of targets of Project Officer. Also, makes sure the on-time delivery of the resources to the respective department/personals.

5. Communication Officer: A Student responsible for managing the interaction with concerned personals within and outside of the institute. Communication Officer writes and distributes content to promote Team research or activities. They act as a liaison between the team, organization, and the media to ensure that the research remains top of mind.

RESEARCH SUBJECT: 2W-BOV-L1

2 Wheeler Battery Operated Vehicle Under L1 Category

Motor Vehicle Type	2W-BOV-L1
Motor Type	AC/DC Motor
Max. Power	4000 W
Max. Voltage	48 V
Seating Capacity	2
Maximum Speed	70 Km/h



THE RESEARCH SUBJECT

10 STAGES OF THE RESEARCH FELLOWSHIP PROGRAM

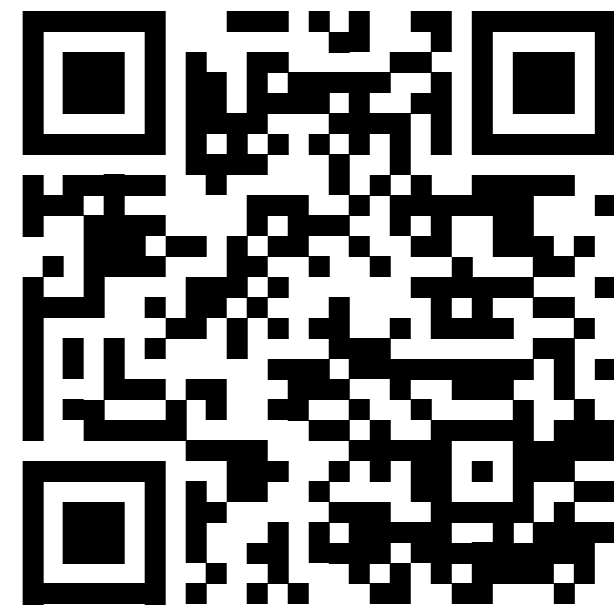


REGISTRATION AND FEES

REGISTRATION FEE: Rs. 15,484/- (Excluding 18% GST).
Other Payable Charges: Nil

REGISTRATION LINK: <https://isnee.in/registration/rfp.aspx>

Helpline: irdo@isnee.in +91-9410430424



Scan to Register

RFP TIMELINE

Activity	Deadline
Registration Start Date	10 Aug 2021
Registration End Date	10 Sep 2021
Late Registration	11-30 Sep 2021
Webinar on Induction Program	20-25 Oct 2021
Webinar on Basics of Automotive Technologies	30-31 Oct 2021
Webinar on Vehicle Dynamics	6-8 Nov 2021
Webinar on Project Synopsis	15 Nov 2021
Webinar on Electric Vehicles	11-12 Dec 2021
Webinar on Design of Two Wheelers	26-28 Dec 2021
Project Synopsis Submission	11 Jan 2022
Project Timeline Submission	20 Jan 2022
Research and Development	20 Jan – 20 Apr 2022
Design Document Submission	10 Mar 2022
Design Review	15-20 Marc 2022
Vehicle Fabrication	20 Mar- 20 July 2022
Vehicle Status Video	25 Jul 2022
Team Members Inform	30 Jul 2022
Exposition Exposition	20 - 25 Aug 2022

DELIVERABLES

IRDO offers package of learning and grooming opportunities through the Research Fellowship Program. Students get to learn and implement the knowledge while being in the institution throughout the project.

1. **Webinar/Workshop on Basics of Automotive Technologies**
2. **Webinar/Workshop on Vehicle Dynamics**
3. **Webinar/Workshop Electric Vehicles**
4. **Webinar on Project Synopsis**
5. **Advanced Workshop on Two Wheeler Design**

6. Online Video Library

6. Research Paper:

IRDO helps the applicants in publishing the research papers. Once the project is completed and showcased in the expo, interested participants can apply for getting their research papers published on prominent platforms.

7. Patent:

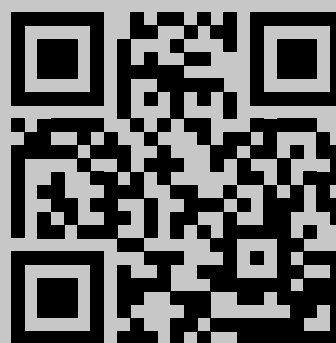
Once the project is completed and showcased in expo, IRDO makes attempts to file the design patents while keeping all the interested parties in the loop.



RESEARCH FELLOWSHIP PROGRAM

Organised by: IRDO
Powered by: ISNEE Motorsports Pvt. Ltd.
Supported by: Garage 1 Utility Vehicles Pvt. Ltd.

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THANK YOU