



NOTICE FOR SUMMER INTERNSHIPS: 20 SEATS FOR INDUSTRIAL DESIGN STUDENTS

Today's demanding industry dynamics and competencies require new job applicants to have some real experience relevant to the position. Corporates themselves are under constant pressure to acquire new skills & experiences in emerging domains, and keep pace with the state of the art. In this situation it is very important for students to maximize their learning by acquiring some necessary real project experience during summer internships and trainings. Unfortunately, this year design students are confronted with many additional challenges brought about due to the pandemic. Loss of studio time, teamwork, hands on materials and processes and digitization & virtualization of the above has redefined the entire learning and design practice methods. Further, many students feel slowness in their learning curve due to relative stagnation of real-life observations and experiences during learning & projects.

Industry Development Network (IDN) is a non-profit initiative of Industry Development India (www.industrydevelopment.in) and, Designplas (www.designplas.com), founded by Pradeep Chowdhary in 2006, after 14 years of application Development at GE Plastics; to bridge opportunities in the Indian industry with solutions that design and engineering can bring. From the indigenisation of required platforms, materials and process competencies to leveraging possibilities in tooling & manufacturing scale-up within India, IDN sponsors have pursued self-reliance maximizing solutions since last 15 years. Integrating state of the art global platforms when necessary, developments have covered diverse areas ranging from Consumer products and Energy management, to other areas such as Safety and rescue devices, Medicare, Electromobility, and even applications for use in Defence & Space.

This year IDN is reaching out to the students pursuing various Industrial Design programs and have completed, or are about to complete 2 semesters of the PG programs, or at least 6 semesters of the UG programs, in 2 separate sets of project offerings for each segment.

Looking at the prevailing situation in the country and shrinking opportunities for students to engage in real industry projects due to travel and safety restrictions, Industry Development Network is pleased to offer upto 20 seats of summer internships / apprentice placements / summer trainings; for budding industrial designers from various design institutes in India & including few seats to students from design institutes in Europe.

From India, both UG and PG Students are invited to apply for upto 10 summer internship placements in each segment. The students need to apply with their CV and their portfolio in pdf format (or share a portfolio weblink), and including a small write-up about themselves and of their objectives & expectations from the summer project at -

contact email: create@industrydevelopment.net with total size not exceeding 10MB with cc at idindia@gmail.com

This short term summer project experience will be entirely online and involve real projects that are intended to be later offered to the industry upon reaching a suitable further development stage. **During this training period, all students and groups will be mentored by Pradeep Chowdhary, an NID alumnus with almost 30 years of industry experience in design and application development with engineered materials. Each project team will consist of 2-4 students and each student will be viewed as a design professional who is expected to work with his/her team seamlessly to accomplish project goals.**

Please note there is no stipend on offer with these summer internships but a budget of upto Rs.50000 is assigned to each project for 3D printing & prototyping in scale or in actual case, if a project yields promising potential ahead with supporting progress made during the internship period. Further, if any project leads towards prospective industry interest, or later taken up for further adaptation & development towards commercialization at a future date; a suitable credit and recognition will be given to its participating student team at that time, including a suitable financial incentive, not exceeding Rs.25000 to each student in that project group. Please also understand that all rights of the projects being offered remain with IDN & its associated, right from the initiating research and projects identification and development scope to any disclosures & research leading to ideation, concepts and solution building during the various stages of project internship, right until the conclusive presentations and submissions of these projects.

Schedule for summer internships:

Notice for Invitation of Applications	30 th April 2021
Applications Deadline	10 th May
Intimation of Offer of Acceptance to Selected	12 th May
Kickoff Meeting	17 th May
Project & Team Assignments	18 th May
Project Start (Exp. 45 days)	19 th May
Project Closing Presentations	5 th - 15 th July

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Required toolkit of Students:

Design Laptop/Desktop/Stylus/Internet etc. as used in their current programs with any suitable Design Visualization software capable of both 2d & 3d data exchange (preferably in neutral eps/tiff/step/parasolid formats)

If a student does not have the required visualization software, a trial version, usually lasting 30-60 days can be requested or downloaded from the provider for the purpose of summer internship. Additionally long-term student licenses can be considered by students at their own discretion.

Project Working Hours:

Expected Min.3hrs./day - Max.4hrs./day

In addition to this, avg.30-40min./day online project group meetings are expected each working day (5 days/week). If the project deserves additional efforts, students should be prepared to work for longer hrs., but not exceeding 6hrs./day

Completion Criteria:

Students must complete >80% of their project time in the following 4 aspects for the traineeship completion certificate...

1. Timely progress of the design work as per scheduled project deliverables
2. Regular presence and active participation at project group meetings
3. Teamwork with other project team members and exchange for cumulative progress
4. Project documentation and submission within stipulated time as required.

Industry Areas & Projects

The following industry areas/ projects are on offer; each applicant must indicate at least 3 preferences in order.

Project Choices for PG Students:

1. Electrotech:
Design of a EV Charging Kiosk for Parking Stops 122kW & higher
2. Electrotech:
Design of Luminaries & Optics for Energy Saving Lamps
3. Medtech:
Design of a home incinerator for consumables of patients with Covid or other infectious ailments
4. Medtech:
Redesign of a Safety Mask (Air Breathing System) for Sports persons
5. Cleantech:
Design of Low-cost Air Purifier (for Low-Income groups)
6. Cleantech:
Air-Cooler Redesign for reducing microbial growth in system
7. Accessories:
Design of Rapid Deployment rescue aids in case of flooding

Project Choices for UG Students:

1. Electrotech:
Design of Home (AC) EV Charger 7.4kW & 22kW
2. Electrotech:
Design of a range of Switches & Wiring Accessories
3. Medtech:
Design of a Home Sterilization Kit for kitchen use
4. Medtech:
Redesign of a Steamer for Safety and child use
5. Medtech:
Design of Exercise & Fitness equipment for the Elderly
6. Cleantech:
Design of Flexible Rooftop Solar Systems for Optimum Use of Flat Horizontal Rooftop Space
7. Accessories:
Desk Accessories Design for Work from Home