DESIGN
HACKATHON 2019

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Uttar Pradesh Institute of Design, Noida
(An Institute of Dr. A.P.J. Abdul Kalam Technical University)
C-22, Sector-62, Noida, Uttar Pradesh-201309

Important Dates:

Invitation of Idea Proposals: **3rd Jun 2019 onwards**
Deadline for Entries: **7th Aug 2019**
Invitations sent to shortlisted participants: **12th Aug 2019**
One Day Hackathon at UPID Noida: **7th Sep 2019**

Contest Details:
Mode of sending entries: **soft copy via email**
Entry/Participation fees: **Free of cost**
Max. number of participants per team: **4**
Participation open to College/University Students, Corporate employee's, Innovators, Technologists, Designers, Entrepreneurs

Note: **Solo participation is also invited**

A Hackathon challenge is a great way for stakeholders that includes Citizens, Innovators, Technologists, Designers & Entrepreneurs to collaborate and co-create innovative solutions, to gather at one spot and solve real-life challenges from fields that can transform and have immediate impact on the society. Creative Enthusiasts get to utilise their skills and expertise in new challenges where they feel a novel intervention maybe required and also learn about different domains where they might not have ventured before.

Design Hackathons are popular in Universities, Private companies and Start Ups where challenges are given on subject and topics that are emerging which have a social relevance.

UPID Noida brings you that opportunity to participate in its one-of-a-kind event, the Design Hackathon. The competition will consist of a team of members who combine a skill set ranging from arts, science, technology, business, entrepreneurship, and sociology. At the end of the competition a creative and novel solution will be proposed within a limited time frame, which is evaluated by an expert member panel having experience in the field. The prospects of the idea proposed by the team can be turned and further taken by them as a new business idea, a short term project, patenting, or even collaborating with the government authorities to further build on their Idea.

Schedule:

Phase 1		Phase 2		Phase 3	
• Understand the Brief • Select one theme • Send us your Innovative Idea	7th Aug'19	Shortlisting of Teams/Individuals according to proposals submitted	12th Aug'19	• 1- day Hackathon at UPID Noida • Make a prototype • Present your Idea	7th Sep'19

The contest will be conducted in **3 phases**

PHASE 1:

- **Form a Team** with your friends/colleagues/partners **or Go solo**
- **Select one Theme** that you feel has to be worked upon
- **Understand the Brief** for the particular Theme
- **Draft and Sketch an innovative solution** appropriate and relevant to the Theme
- **Send us your innovative Idea in form of a brief writeup and some sketches/model** in a .pdf/.word/.ppt/.jpeg/.png format via mail to **hackathon.upid@aktu.ac.in** along with the name of participants in your team
- Our internal jury will evaluate the innovativeness and novelty of your idea and shortlist entries in **PHASE 2.**

Phase 1

- Understand the Brief
- Select one theme
- Send us your Innovative Idea

7th Aug'19

Phase 2

Shortlisting of Teams/Individuals according to proposals submitted

12th Aug'19

Phase 3

- 1- day Hackathon at UPID Noida
- Make a prototpe
- Present your Idea

7th Sep'19

PHASE 2:

- The entries sent will be scrutinized by an Internal Jury.
- Participants will be shortlisted according to their innovativeness and originality of their idea, with a potential of solving a problem
- **Shortlisted entries will** invited through mail in the Campus to enhance, build and present their idea in PHASE 3

Note: Multiple ideas/proposals on more than one Theme can be sent by each Team but only one will be selected for PHASE3

Phase 1

- Understand the Brief
- Select one theme
- Send us your Innovative Idea

7th Aug'19

Phase 2

Shortlisting of Teams/Individuals according to proposals submitted

12th Aug'19

Phase 3

- 1- day Hackathon at UPID Noida
- Make a prototpe
- Present your Idea

7th Sep'19

PHASE 3:

- **One day Hackathon at U.P. Institute of Design, Noida**
- You/your Team will be invited to the campus based on the proposal/idea shortlisted
- Get guidance from expert Mentors and develop your ideas further, learn about design processes, Ideation techniques, and prototyping methods
- Make a prototype and present your product in front of the Jury

Prizes worth Rs. 20,000/- to be won

Themes:

1. Healthcare

India will become the 3rd largest economy in the world by 2030, and such an economic growth would require progress in healthcare sector as well. Improvements are required in public healthcare sector, infrastructure, preventive health-care that reaches rural and urban population. People have little access to quality, affordable healthcare in India. The Medical Technology sector plays an important role in filling this gap, the MedTech market is growing at 15-20% annually. Including products ranging from syringes, MRI machines, robotic surgery, monitoring devices, diagnostics, and others for monitoring and treating life. An innovative MedTech sector is a requirement of the current Indian scenario. Products like portable vaccine carrier, prenatal monitoring/care device, heart rate-pulse monitor, automatic insulin delivery device, smart watch that measures health vitals, are some innovative ideas amongst many that can improve the status of healthcare.

For the theme:
Design an innovative and affordable product or a service in the healthcare sector.

2. Waste Management

The most visible challenge towards the environment today is uncollected solid waste that majorly includes plastic. In major cities and towns, due to rising population there is an increase in the waste generation per household and there are lesser sufficient waste management mechanisms.
Waste management simply means accounting for all the waste generated, appropriate disposal and solutions for recycle where re-use is possible. The possible areas where management of waste can be promoted is Waste collecting methods, Waste segregation, New services in partnership with local authorities, Recycling/Upcycling of waste etc.
Products like waste segregation dustbins, smart waste collection bots, an App that manage community level waste, are some ideas amongst many that can improve the waste management situation in Urban areas.

For the theme:
Design a product/service that can improve the Waste Management situation in urban cities

3. Smart Mobility

India Inc has had a focus on digitization in the past, and is investing in development of its major smart cities inititative. A substantial area of intervention is in the mobility space where electric transport, public transport, metro transit system, bullet trains are a major emphasis in the future. Major companies are also focussing on electric, clean and smart mobility for the future. Personalised solutions for customers in 2-wheeler/4-wheeler are also coming up. A product innovation is little seen in cars and bikes, the auto rickshaw has barely seen an innovation in the last 50 years. Public transportation is another prospective area where innovative ideas can be proposed that work on clean energy and are scalable to larger masses. Product innovations like foldable electric scooter, driverless transport pods, an App for car pooling, Drone Auto's for cities are some ideas amongst many that can improve transport and mobility

For the theme:
Design a Mobility solution for urban/rural areas of India

Remember the Dates

STEP 1
Form a Team or go Solo
Select a Theme
Send us your Innovative Idea/proposal

3rd Jun 2019 – 7th Aug 2019

STEP 2
We will shortlist the proposals
Invite the Top entries

12th Aug 2019

STEP 3
One Day Hackathon at UPID Noida
Build your Idea, get expert feedback,
Present your solution

7th Sep 2019

About the Institute

U.P. Institute of Design, Noida has been established by Dr. A. P. J. Abdul Kalam Technical University, U.P., Lucknow at Sector-62, Noida campus of the University.

It is India's first AICTE approved Design Institute offering four years **Bachelor of Design (B.Des.)** and two years **Master of Design (M.Des.)** program.

The Bachelor of Design (B.Des.) Programme has an intake of 30 students and Master of Design (M.Des.) programme, an intake of 15 students. Admissions for the B. Des. Programme are taken from the rank list of UCEED-2019 conducted by the IIT Bombay, Mumbai and also from UPSEE-2019 (Uttar Pradesh State Entrance Examination.)
Admission for the M.Des. Programme are taken from CEED, GATE and UPSEE-2019

For further details or query contact
hackathon.upid@aktu.ac.in

Log on to: upidnoida.ac.in for further details

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