Jaypee University of Information Technology, Waknaghat, Solan, H.P.

RESEARCH AND INNOVATION SHOWCASE (RAISE)

Organized by

IPR CELL

Industry and Academia personnel are invited to submit an **INNOVATION PROPOSAL**

Step-1: Abstract submission (300-350 words).

Step-2: Shortlisted participants should submit a Poster and a short video of 5 minutes.

Themes of RAISE

- Electronics & Communication Engineering.
- Computational Biology & Bioinformatics
- Computer Science Engineering
- Civil Engineering
- Basic Sciences
- Other Interdisciplinary Areas

Mechanisms and Benefits of R.A.I.S.E.

- Declaration of final result by *March 25, 2021*
- e-Certificates will be given to all the participants.
- Exciting three Cash Prizes

   1st – Rs. 2000/-, 2nd – Rs.1500/-
   3rd – Rs. 1000/-

E-mail your Entries at-

Dr. Shruti Jain
shruti.jain@juitsolan.in

Dr. Hemraj Saini
hemraj.saini@juitsolan.in

Important Dates:

- Abstract submission by **March 20, 2021**
- Declaration of result of first phase **March 22, 2021**
- Poster and video submission by **March 24, 2021**

Report

"Research and Innovation Showcase (RAISE)"

The IPR Cell, Jaypee University of Information Technology, Solan in collaboration with Himachal Pradesh Council for Science, Technology & Environment (HIMCOSTE) organized **Research and Innovation Showcase (RAISE)** from March 20 - 25, 2021. The aim of this event is to bring together the industry and academia. The themes for R.A.I.S.E. includes :

i.   Electronics & Communication Engineering.

ii.   Computational Biology & Bioinformatics

iii. Computer Science Engineering

iv.   Civil Engineering

v.   Basic Sciences

vi.   Other Interdisciplinary Areas

We have received in total **23 innovations** from Chennai, Tamil Nadu, West Bengal, and Himachal Pradesh. Details are :

Research And Innovation Showcase (RAISE)				
S.No	**PARTICIPANT NAME**	**UNIVERSITY/SCHOOL**	**STATE**	**Title**
1	Ramneek Khurana	3rd year, Biotechnology and Bioinformatics department, JUIT	Himachal Pradesh	Trouble in the Paradise: Stubble Burning
2	Irene Michelle	KCG College of Technology	Karapakkam, Chennai, Tamil Nadu	Smart Sentry
3	Subash.S	SRM Valliammai Engineering College	Kattankulathur, Tamil Nadu	A multitasking robot based on a combination of IoT, Machine Learning and Embedded Systems for farmers
4	Amrisha Vivinya P M A. Prasanth	PSNA College of Engineering and Technology,	Tamilnadu	Smart Electric Pole System
5	Vishnu.R	PSNA College of Engineering and Technology,	Tamilnadu	Smart Irrigation and Water Draining System
6	Lokesh V	College of Engineering Guindy, Anna University,	Chennai	Prediction And Forecasting Epilepsy Based on Advanced Machine Learning Algorithms With Feature Extraction
7	Vansheika	M.Tech Construction Management, JUIT	Himachal Pradesh	An Innovative Empirical Model for Assessing the Effects of Future Pandemics On Status Of Female Labors in Construction Industry
8	Saurabh Tomar	B.Tech Civil Engg, Jaypee University of Information Technology, Waknaghat, Solan(H.P)	Himachal Pradesh	Screw – In Foundation For Street Lights
9	Ishita Satija	B.Tech Biotechnology Engg, Jaypee University of Information Technology,	Himachal Pradesh	Lenfo

		Waknaghat, Solan(H.P)		
10	Anmol Sharma	B.Tech IT Engg, Jaypee University of Information Technology, Waknaghat, Solan(H.P)	Himachal Pradesh	Nomad Maps
11	Nayanika Sharma, Pranjal Bhatia, Rahul Shrivastava	Deptt of Biotechnology & Bioinformatics, Jaypee University of Information Technology, Waknaghat, Solan(H.P)	Himachal Pradesh	Big Data Analyis of Alzheimer's Disease using Sorting
12	Kirthana.K Mythrayee.G Punithajothi.N	SRM Valliammai Engineering College	Kattankulath ur	Real Time Water Quality Monitoring System using IoT
13	Soma Banerjee	Dept. of Education	Purulia, West Benagl	The Analytic Aspect of Phyto-Chemicals of *Aloe vera* Medicinal Plant of Khetri Region, Rajasthan
14	Dipak Kr. Mandal,	Dept. of English	Purulia, West Benagl	Antimicrobial Effects of Medicinal Plant Extracts on Human Pathogenic Microorganisms
15	Athilingam R Vivitha E Shenbagadevi M	Deptt of ECE, Nadar Saraswathi College of Engineering and Technology	Theni, Tamil Nadu	Real Time Barcode/QR Code Reader using Python
16	Vaishnavi T.V,	PSNA College of Engineering and Technology	Dindigul, Tamil Nadu-624 622.	Smart Refrigerator Using AI and IOT
17	Shrivaishnavi V	SRMIST	Ramapuram, Chennai 89	Determining the Proportion of Plastic In Plastic Roads
18	Raga Varshini Sneha K Sowmiya M Karthikeyan K	Bannari Amman Institute of Technology	Tamil Nadu	automated gas stove

19	Sunainy Ajrawat, Chhavi Thakur Dr Hemant Sood	Jaypee University of Information Technology, Waknaghat	Himachal Pradesh	In silico profiling of bioactive compounds of Bauhinia variegata and exploring its pharmacological properties
20	Amanjot Singh Malhotra	Jaypee University of Information Technology, Waknaghat	Himachal Pradesh	Artificial Intelligence: A legitimate enforcement for Health Care System
21	Chhavi Thakur	Jaypee University of Information Technology, Waknaghat	Himachal Pradesh	Application of Artificial Intelligence in Bioinformatics and Drug Discovery
22	Sathya V	Muthayammal Engineering College , Biomedical Engineering	Rasipuram	Basic Sciences
23	Monisha S			A Wireless Sensor Networks based Patient Monitoring System using Integrated ECG module, Pulse Oximeter, Blood Pressure and Temperature Sensor

All the innovations which were received were recommendable. The first round was based on Abstract Submission of app 300-350 words which defines the motivation and outcome of the work. March 20, 2021 was the submission date of the abstracts. The committee member comprises Dr. Shruti Jain, Dr. Hemraj Saini and Dr. Hemant Sood has shortlisted 12 innovations. Declaration of the result of first phase has been done by March 22, 2021. It was difficult to further shortlist the innovations. Round 2 is Poster Submission. IPR members have given a fixed template for designing the poster and it has to be submitted by March 24, 2021. Based on the parameters like innovative idea, poster design and benefit to society committee members came up with final decision. The final result was declared on March 25, 2021 and as follows :

RESULT	PARTICIPANT NAME	Title	Amount
First	Anmol Sharma	Nomad Maps	Rs. 2000
Second	Saurabh Tomar	Screw – In Foundation For Street Lights	Rs. 1500
Second	Ishita Satija	Lenfo	Rs. 1500

Third	Vaishnavi T.V,	Smart Refrigerator using AI	Rs. 1000
Third	Raga Varshini Sneha K Sowmiya M Karthikeyan K	Automated Gas Stove	Rs. 1000
Consolation	Amrisha Vivinya P M	Smart Electric Pole System	Participation certificate mentioning result
Consolation	Sunainy Ajrawat, Chhavi Thakur Hemant Sood	In Silico Exploration of Medicinal Compounds of Bauhinia Variegata	Participation certificate mentioning result

E-certificates have been given to all active participants.