

Prof. N.P. Kaushik Vice Chancellor, RTU, Kota

Chief Patron

Patrons

Dr. Anurag Agarwal Chairman, ACEIT, Jaipur
Prof. Dhananjay Gupta Chairman Governing Body, ACEIT

RTU Academic Committee

Prof. Rajeev Gupta Prof. Vice Chancellor, RTU, Kota
Prof. Dharendra Mathur Co-ordinator
Dr. D.K. Sambaria Nodal Officer Procurement
Dr. Harish Sharma Nodal Officer Academic
Dr. S.D. Purohit Nodal Officer Finance
Dr. Deepak Bhatia RTU Event Coordinator
Sh. S.S. Godara RTU Event Co-ordinator Start up

Mentors

Mr. Ravinder Pal Singh CIO, Tata Singapore Airlines (Air Vistara)
Mr. Hansha Kikkar Co-Founder, HoloSuri
Mr. Balaji Thiruvengadam CTO - EVC Ventures
Mr. Arjun Ahlawat Director, Client Solutions Aeris Technology
Mr. Shivam Dixit Co-Founder, IoTfy Inc
Mr. Nitin Sethi VP Digital, Indigo
Mr. Mayur Sethi COO, Wittyfeet
Mr. Anant Mendiratta Co-Founder, Codepanel.io
Mr. Akshat Saxena Co-Founder, Epylater

ARYA Hackathon Coordinator

Dr. Akhil Pandey Director, Training & Placement
Dr. Arun Arya Director, Academic
Mr. Ramcharan Sharma Director, Finance

ARYA Academic Committee

Dr. Manu Gupta Dr. Vibhakar Pathak
Dr. Rahul Srivastava Dr. Prabhat Kumar

Organizing Committee

Er. Vishal Srivastava Er. Rahul Sharma
Er. Vikas Mishra Er. Rajesh Kr. Tejwani
Er. Vivek Kr. Sharma Er. Mohit Mishra
Dr. Pawan Bhambu Er. Amit Kumar Tewari
Er. Sandeep Tomar Er. Maneesh Singhal
Dr. Narayan Singh Dr. Vikas Lamba
Er. Aarti Sharma Er. Nikha Voudeve
Er. Kriti Sharma Er. Rekha Bhandari
Er. Jyoti Sharma Er. Jyoti Sharma
Er. Khushbu Garg Er. Garima Sharma
Er. Vinita Gupta Er. Aarti Mehdiratta
Er. Chhavi Gupta Er. Astha Dadheech
Er. Neha Gupta Er. Sangeeta Sharma
Er. Rajani Choudhary Er. Neha Singhal
Mr. Mahesh Rana Mr. Sunil Vashistha

Prizes

- Prizes for the winners are as follows :
1st Prize - ₹ 1,00,000/-
1st Runner up - ₹ 50,000/-
2nd Runner up - ₹ 25,000/-

Miscellaneous Information

- Intellectual property (IP) of the idea would belong to the college/institute and the team if they are not chosen by the investor / arya/incubate
Selected ideas need to be further developed so that they can be productized before the Investor / Incubator which will be able to utilize it; more efforts before the finale are required from the selected teams there after.

Important Dates

Last Date of Registration : 17th September 2018

Target Audience

Students of RTU affiliated colleges with an interest in Smart India Hackathon - 2018.
Arrangement for boarding & lodging will be made by the host institute as per TEQIP-III norms for the participating student.



ARYA COLLEGE OF ENGINEERING & I.T. (Arya 1st Old Campus)
SP-42, RIICO Industrial Area, Delhi Road, Kukas, Jaipur (Raj.) India
Tel. : 0141-6604555 (30 Lines) 01426-227496, 227176, 227177
Email : aryahack@aryacollege.in
Toll Free No. : 1800-266-2000 • Website : www.aryacollege.in



TEQIP-III Sponsored Two Days

SMART INDIA HACKATHON 2018

Date : 22nd-23rd SEPTEMBER 2018
Venue : Arya 1st Old Campus, Kukas, Jaipur

Jointly Organized by



Rajasthan Technical University, Kota



And ARYA College of Engineering & I.T.
(Approved by AICTE & Affiliated to RTU, Kota)
Kukas - Jaipur, (Rajasthan) India



SMART INDIA HACKATHON 2018

PROBLEM STATEMENTS



"We would like to craft personalized travel experience for 5.2mn passengers who travel with us monthly, by rapidly making meaningful changes to PaxEx across touchpoints. How can AI and Big Data help Indigo, the leading low-cost carrier, create 'one in a million experience' for every single customer? Also, accelerate personalized ancillary upsell throughout the travel journey of its leisure and business travellers?"

amazon alexa

We want to revolutionize the way education is imparted by using voice technologies. How can the AI of Amazon Alexa be leverage to build engaging skills to make learning a fun experience for students from Kindergarten to Professional courses? The skill built on Amazon Alexa should work as a 'Virtual Teacher' and help students with everyday activities involved during their student years like searching for content, curriculum management personal evaluation, subject wise coaching, and more.



Closed loop irrigation solution for farmers: Irrigating fields plays a vital role in crop yield. However, how much and when to irrigate is still moderated by the traditional knowledge for the farmers. Knowing how much water is actually required for a given crop for a particular soil type depends majority on soils capacity to hold moisture. We need an IoT, AI based solution which can auto irrigate the fields for a given crop based on the soil moisture content.

NOBROKER

Design a machine learning algorithm to predict the rent of a property. You will have following data available
1) 100,000 property data from a particular City. Will have around 50 attributes of the property
2) Data of the neighborhood of these properties
You are free to source more data as needed.
Given a new property your algorithm should be able to predict a rent range of the property.



Personalised health monitoring - Smart watches and other wearable devices have made health telemetry a reality. But machine learning is taking things one step further, allowing doctors and relatives to monitor the health of elderly family members. The more personal data these algorithms are fed, the better they understand a user's profile, enabling healthcare professionals to spot potential anomalies earlier on. Build model for personalized health profile and monitoring

Registration Process of Smart India Hackathon-2018

REGISTRATION FORM

Registration form table with columns for Student Name, E-mail Id, Mob. No., and Signature. Includes 10 rows for team members.

- The above registration form is required on college letterhead seal & signed by authorized signatory of the college.
Mail the scanned copy of letter to aryahack@aryacollege.in
Last date of registration is 17th September, 2018.

Rules for Team Formation

- There is no limit of number of teams per college/ institute participation.
All team members should be from same college, no inter-college teams are allowed. Minimum no. of team members will be 4 and maximum no. of team members will be 6 per team.
Colleges must issue a letter on their letterhead stating the names of the team and team members.
The team leader's name should be clearly specified in the letter.
Clearly communicate the email-ids and mobile numbers of all team members as well.
After teams are short listed, each team will be assigned mentors from the industry to guide them during the hackathon; they will augment the team.
Entries to be sent only in the prescribed format.

Selection Criteria

Evaluation criteria will include novelty of the idea, complexity, clarity and details in the prescribed format, feasibility, practicability, sustainability, scale of impact, user experience and potential for future work progression.

Important Notes

- Keep a track of all announcements and updates on www.aryacollege.in.
Each college/institute will be responsible for the travel and accommodation of their teams for the Hackathon : Smart India Hackathon - 2018.
College photo ID is mandatory for participating in the Hackathon : Smart India Hackathon - 2018.



The Project, third phase of Technical Education Quality Improvement Programme (referred to as TEQIP-III) is fully integrated with the Twelfth Five -year Plan objectives for Technical Education as a key component for improving the quality of Engineering Education in existing institutions with a special consideration for Low income States and Special Category States and support to strengthen few affiliated technical universities to improve their policy, academic and management practices.



Rajasthan Technical University, Kota

Rajasthan Technical University (RTU) is located in Kota in the state of Rajasthan. It was established in 2006 by the Government of Rajasthan. The university currently affiliates about 129 Engineering Colleges, 4 B.Arch., 41 MCA Colleges, 95 MBA Colleges, 44 M.Tech. Colleges and 3 Hotel Management and Catering institutes. The University aims to provide quality technical education which may help Rajasthan in its technical development and will boost technical environment in the country.



ARYA COLLEGE OF ENGINEERING & I.T. KUKAS-JAIPUR

Arya College of Engineering & I. T. Jaipur was established in the year 2000 with the aim of imparting education with the best quality standards in an effective manner through optimum utilization of the academic and human resources. The college ensures the professional, intellectual and socio-cultural precision with a holistic approach promoting research and development and amalgamates co-curricular activities and academics with a recognized teaching curriculum. The college also believes in creating an academic environment that boasts of rigorous work culture with excellent teaching system.