

**IRIS 2019-20 TOP 20 Projects**

S No.	Project ID	Subject	Title	Type	Participant 1	Participant 2	School	City
1	AS01	Animal Sciences	Deostrous detection kit for Cows A Boon for dairy	Individual	Naisargik Lenka		DAV PUBLIC SCHOOL UNIT 8	Bhubaneshwar
2	BH05	Behavioural Science	A mobile app for resolving conflicts between students	Team	Anantharaman Subramanyam Iyer	Niveditha Subramanyam Iyer	National Public School- HSR Layout	Bangalore
3	BI04	Biochemistry	Early Detection of Pancreatic Cancer using a low cost and non invasive strip based test aided with a Smart Web Application utilizing Retrospective Data for Risk Assessment	Team	Anmol Rathi	Harsh Agrawal	Bharatiya Vidya Bhavan's R K Sarda Vidya Mandir	Raipur
4	CB02	Cellular and Molecular Biology	Cytokine levels in plasma and PHA activated T cells in head and neck cancer patients	Individual	Nikhil Kambdur		The International School Bangalore (TISB)	Bangalore
5	CB04	Cellular and Molecular Biology	Reversal of chemo resistance in 5FU resistant HeLa cells using herbal formulation containing green tea and turmeric	Individual	Maanasi Vinay Nair		The International School Bangalore (TISB)	Bangalore
6	CH01	Chemistry	A Nano Solution to A Giga Problem	Team	Eshan Bajaj	Adithya Balanand	DAV International School, Kharghar	Raigad
7	CS09	Computer Science	Enhanced Lossless Data Compression using Logistic Context Mixing and Predictive Analysis	Individual	Subhigya Priyansh		D.B.M.S English School	Jamshedpur
8	CS10	Computer Science	Bottleneck Trees and its applications in solving Path Queries involving Bottleneck Edges	Individual	Rajarshi Basu		Bodhicariya Sen Sec School	Kolkata
9	CS14	Computer Science	Computationally combatting Fake News using Artificial Intelligence and Natural Language Processing	Individual	Arnav Das		Hiranandani Foundation School, Powai	Mumbai
10	CS16	Computer Science	A portable low cost solution for early detection of valvular heart disorders	Team	Sachin Singh	Kaushik Kunal Singh	Inventure Academy	Bangalore
11	EE04	Engineering: Electrical and Mechanical Engineering	Countering Aerodynamic Flow Separation by tangentially blowing across wing surfaces and Synthetic Jet Activations	Individual	Harsh Mathur		Bishop Cotton Boys' School	Bangalore
12	ET01	Energy and Transportation	ARAMBH An innovative Traffic Management System	Individual	Om Shelat		Shiv Nadar School	Gurgaon
13	MA01	Mathematical Sciences	An Application of Group Theory to Number Theory	Individual	Shambo Saha		DAV Model School	Durgapur
14	MA03	Mathematical Sciences	K Numbers - The another kind of Composite Numbers	Individual	Adarsh Kumar		Delhi Public School, Hapur	Hapur
15	ME03	Medicine and Health Sciences	Screening Anaemia using Deep Learning	Individual	Vrishab Krishna		National Public School	Bangalore
16	PH01	Physics and Astronomy	A Novel Deep Learning Based Approach to Modelling Space Weather	Individual	Aditya Radhakrishnan		Suguna PIP School	Coimbatore
17	PS04	Plant Sciences	A differential calculus based approach to maximize the Chlorophyll content in V radiata through optimum use of Potassium Sulfate and Urea fertilizers	Individual	Mohammad Shihab		Genesis Global School	New Delhi
18	PS05	Plant Sciences	Tridax procumbens a weed in protection of Abelmoschus esculentus crop from destruction by Yellow Mosaic Virus	Individual	Shreenabh Agrawal		THE CHANDA DEVI SARAF SCHOOL	NAGPUR
19	BI01	Biochemistry	Investigation on biofuel production efficiency of Clostridium pasteurianum and Yeast in cellulosic biomasses of varying latex content	Individual	Sahilkrishna V		BVM Global Higher Secondary School	Chennai
20	CH02	Chemistry	Micropla - A Novel approach for the quantification and Filtration of Microplastics in tap water using Nile Red Dye and Microalgae Rhodomoonas Salina	Team	Aditya Pratap Singh Chauhan	Tejas Sharma	Bharatiya Vidya Bhavan's R K Sarda Vidya Mandir	Raipur