



केन्द्रीय माध्यमिक शिक्षा बोर्ड

(शिक्षा मंत्रालय, भारत सरकार के अधीन एक स्वायत्त संगठन)

CENTRAL BOARD OF SECONDARY EDUCATION

(An Autonomous Organisation Under the Ministry of Education, Govt. of India)



CBSE/DIR/SE&T/ATL/2022

12.01.2022

NOTIFICATION

ATL Space Challenge: List of Top 75 Innovations

This is with reference to the CBSE Circular No. [Acad. 76/2021](#) dated Sept. 6, 2021 whereby the ATL Space Challenge 2021 was launched on 6th September 2021 by Atal Innovation Mission, NITI Aayog in collaboration with Indian Space Research Organisation (ISRO) and Central Board of Secondary Education (CBSE) as part of the nation-wide celebration of 'Azadi Ka Amrit Mahotsav', an initiative of the Government of India to celebrate and commemorate 75 years of progressive India and the glorious history of its people, culture and achievements.

The ATL Space Challenge saw enthusiastic participation from students and more than 2,500 entries were received across various categories from students (both from ATL schools as well as Non-ATL schools).

The result of the ATL Space Challenge was announced today in an online ceremony and can be accessed on YouTube using the link: <https://www.youtube.com/watch?v=gMJbEN4JZHw>

The list of **Top 75 Innovations** from 75 winning teams comprising of 200 students from 75 unique schools (ATL + non-ATL) across India is attached at Annexure A.

Heartiest congratulations to all the winners.


(Dr. Biswajit Saha)

Director (Skill Education and Training)



'शिक्षा सदन', 17 राऊज़ एवेन्यू, इंस्टीटूशनल एरिया, नई दिल्ली-110002
'Shiksha Sadan', 17, Rouse Avenue, Institutional Area, New Delhi – 110002





केन्द्रीय माध्यमिक शिक्षा बोर्ड

(शिक्षा मंत्रालय, भारत सरकार के अधीन एक स्वायत्त संगठन)

CENTRAL BOARD OF SECONDARY EDUCATION

(An Autonomous Organisation Under the Ministry of Education, Govt. of India)



Copy to the respective Heads of Directorates, Organizations and Institutions as indicated below with a request to disseminate the information to all the schools under their jurisdiction:

1. The Commissioner, Kendriya Vidyalaya Sangathan, 18, Institutional Area, Shaheed Jeet Singh Marg, Delhi - 110016.
2. The Commissioner, Navodaya Vidyalaya Samiti, B-15, Sector-62, Institutional Area, Noida - 201309.
3. The Director of Education, Directorate of Education, Govt. of NCT of Delhi, Old Secretariat, Delhi - 110054
4. The Director of Public Instructions (Schools), Union Territory Secretariat, Sector 9, Chandigarh - 160017
5. The Director of Education, Govt. of Sikkim, Gangtok, Sikkim - 737101
6. The Director of School Education, Govt. of Arunachal Pradesh, Itanagar - 791 111
7. The Director of Education, Govt. of Andaman & Nicobar Islands, Port Blair - 744101
8. The Director, Central Tibetan School Administration, ESSESS Plaza, Community Centre, Sector 3, Rohini.
9. The Secretary, Sainik Schools Society, Room No.101, D-1 Wing, Sena Bhawan, New Delhi-110001
10. The Additional Director General of Army Education, A – Wing, Sena Bhawan, DHQ, PO, New Delhi – 110001
11. The Secretary AWES, Integrated Headquarters of MoD (Army), FDRC Building No. 202, Shankar Vihar (Near APS), Delhi Cantt – 110010
12. The Secretary Eklavya Model Residential Schools (EMRS), Ministry of Tribal Affairs, Government of India.
13. The Chairman, Odisha Adarsha Vidyalaya Sangathan, N-1/9, Near Doordarshan Kendra, PO Sainik School Nayapalli, Bhubaneswar, Odisha-751005.
14. The Deputy Secretary to Chairman, CBSE - for kind information of the Chairman, CBSE
15. All the Heads of Department of the Board.
16. All the Regional Directors/Regional Officers/Head-COEs, CBSE with the request to send this circular to all the Heads of the affiliated schools of the Board in their respective regions for compliance.
17. Head (Media & Public Relations), CBSE
18. Assistant Secretary (IT), CBSE, Rouse Avenue with the request to upload this notification on the CBSE Academic website.
19. Incharge, Hindi Cell, CBSE HQ – for Hindi Translation of this notification.

Director (Skill Education and Training)



‘शिक्षा सदन’ ,17 राऊज़ एवेन्यू ,इंस्टीटूशनल एरिया, नई दिल्ली-110002
‘Shiksha Sadan’, 17, Rouse Avenue, Institutional Area, New Delhi – 110002



ATL Space Challenge 2021 (Top 75 Innovations)

Congratulations to the Winners! We are proud of you!

S.N.	THEME	ENTRY CODE	TEAM NAME	ATL UID	SCHOOL NAME	STATE	INNOVATION TITLE
1	EXPLORE SPACE	32512585	TEAM AATMDEEP	NON-ATL	AATMDEEP VIDYALAYA	UTTAR PRADESH	RESOURCE IDENTIFICATION GROVER
2	EXPLORE SPACE	5046491	MOON WALKERS	050e6391	SUBBIAH VIDYALAYAM GIRLS HIGHER SECONDARY SCHOOL	TAMIL NADU	VIKRAM LANDER 2.0
3	EXPLORE SPACE	21052638	INOVECTOR	26214204	DELHI PUBLIC SCHOOL DAMANJODI	ODISHA	ROVOCAT
4	EXPLORE SPACE	10141598	TEAM ARIES	d98e7540	ARMY PUBLIC SCHOOL	MEGHALAYA	NEW GENERATION MARS SURFACE EXPLORER
5	EXPLORE SPACE	2386838	SUPER SATELLITES	NON-ATL	MAR THOMA PUBLIC SCHOOL	KERALA	THE SUPER SATELLITE ANTENNA
6	EXPLORE SPACE	96872306	SPACE AVATAR	NON-ATL	BHAVAN VIDYALAYA, SECTOR 15, PANCHKULA	HARYANA	KANHA (KINEMATICALLY ACCUMULATING THE NEW HOPES : ASTEROIDS)
7	EXPLORE SPACE	26682239	KARTIKEYA ROVER	112612805	GSSS NAGWAIN	HIMACHAL PRADESH	KARTIKEYA ROVERS : DESIGNED TO EXPLORE, COLLECT, HOARD AND EXPORT MARTIAN SAMPLE TO EARTH
8	EXPLORE SPACE	28031854	HUNTING EXOPLANETS IN SPACE	NON-ATL	RELIANCE FOUNDATION SCHOOL, KOPARKHAIRANE, NAVI MUMBAI	MAHARASHTRA	HUNTING EXOPLANETS IN SPACE
9	EXPLORE SPACE	74632424	MAG	244811995	PARAMEKKAVU VIDYAMANDIR	KERALA	3 COMPARTMENTAL OXYGEN TANK
10	EXPLORE SPACE	8289105	DPS SCHOOL	bf551887	DELHI PUBLIC SCHOOL	JAMMU AND KASHMIR	MULTIPURPOSE SPACE ROBOT

S.N.	THEME	ENTRY CODE	TEAM NAME	ATL UID	SCHOOL NAME	STATE	INNOVATION TITLE
11	EXPLORE SPACE	2086492	INFOSPACE SIMULATION	NON-ATL	AMRISHBHAI R PATEL SCHOOL	MAHARASHTRA	INFOSPACE SIMULATION
12	EXPLORE SPACE	69951407	INFINITY EXPLORERS	31221911	THE MANN SCHOOL HOLAMBI KHURD	DELHI	MARSLUX
13	EXPLORE SPACE	20101925	PVM REGOLITH ROVERS	26826380	PUSHPALATA VIDYA MANDIR	TAMIL NADU	DEBOT
14	EXPLORE SPACE	36271112	VECTORS	84133207	POLICE DAV PUBLIC SCHOOL LUDHIANA	PUNJAB	ASTRA TO THE STARS
15	EXPLORE SPACE	5022810	ABDULKALAM	12042427	APSWR SCHOOL AND JUNIOR COLLEGE FOR GIRLS	ANDHRA PRADESH	3DPRGAYANROVER
16	EXPLORE SPACE	55731965	SPACE PIONEERS	bebd3544	BAL BHARATI PUBLIC SCHOOL	UTTAR PRADESH	GET SOME SPACE
17	EXPLORE SPACE	25301799	VENUSIAN ROVERS	NON-ATL	GENESIS GLOBAL SCHOOL	DELHI	THE VENUSIAN ROVER
18	EXPLORE SPACE	907496	TEAM CREATORS	NON-ATL	ARMY PUBLIC SCHOOL JODHPUR	RAJASTHAN	SPACE EXPLORATION ROBO
19	EXPLORE SPACE	4596521	SOLUTION SQUAD	NON-ATL	DELHI PUBLIC SCHOOL PARADIP REFINERY	ODISHA	METEOROID SENSOR
20	EXPLORE SPACE	27431335	SIRIUS	NON-ATL	KENDRIYA VIDYALAYA RBNM SALBONI	WEST BENGAL	START EXPLORING THE SPACE WITH THE EASE OF AN APP.
21	EXPLORE SPACE	14561551	MISSION DEBRIS CLEANER	NON-ATL	GOVT MIDDLE SCHOOL LAFANDI	CHHATTISGARH	THE SPACE DEBRIS CLEANER
22	EXPLORE SPACE	18002512	PYXIS	73a610887	RADIANT INTERNATIONAL SCHOOL	BIHAR	ARGO II - AN OFF GRID PLANETARY COMMUNICATION SYSTEM
23	EXPLORE SPACE	26571079	SPACE EXPLORERS	e1d77286	SADHU VASWANI INTERNATIONAL SCHOOL FOR GIRLS	DELHI	SPACE EXPLORERS

S.N.	THEME	ENTRY CODE	TEAM NAME	ATL UID	SCHOOL NAME	STATE	INNOVATION TITLE
24	EXPLORE SPACE	24442317	ASTRO ALEXA	f3fa403	PALJOR NAMGYAL GIRLS SCHOOL	SIKKIM	ASTRO ALEXA
25	INHABIT SPACE	52622122	FITFRAME	c5d66899	LAKSHMIPAT SINGHANIA ACADEMY	WEST BENGAL	FITFRAME
26	INHABIT SPACE	17152345	TEAM MARSHREE	74e311596	ACADEMIC WORLD SCHOOL, BEMETARA	CHHATTISGARH	MARSHREE
27	INHABIT SPACE	20892309	THE INHABITANTS	2bd9188	SETH ANANDRAM JAIPURIA SCHOOL	UTTAR PRADESH	AI AND ML BASED ANOMALY DETECTION SYSTEM FOR HABITATS ON MARS
28	INHABIT SPACE	36752517	HALO	744312034	JNANA PRABODHINI NAVNAGAR VIDYALAYA	MAHARASHTRA	ORTHO SJACKET
29	INHABIT SPACE	44362636	SPACE CODER	25074751	AIR FORCE SCHOOL VIMANNAGAR	MAHARASHTRA	PRAKRUTI SPECIFIC AYURVEDIC MEDICAL KIT FOR ASTRONAUT (PSAMKA)
30	INHABIT SPACE	4792413	SAO	NON-ATL	DELHI PUBLIC SCHOOL	PUNJAB	THE SAO TECHNOLOGY
31	INHABIT SPACE	25631216	A P J ABDUL KALAM	435115677	SMT GANGADEVI BAJUNIKORANGLAL CHOKHANI VIVEKANANDA VIDYALAYA HIGHER SECONDARY SCHOOL TIRIIVALLUR	TAMIL NADU	GAS LEAKAGE AND SMOKE DETECTOR
32	INHABIT SPACE	2462377	ANDREA DIA BENJAMIN AND AAKRITI KARAN	9f3011974	KOTHARI INTERNATIONAL SCHOOL, NOIDA	UTTAR PRADESH	MARSOXY LIFE SUPPORT SYSTEM
33	INHABIT SPACE	2338617	CHANDRAYAN	NON-ATL	DELHI PUBLIC SCHOOL BANGALORE EAST	KARNATAKA	MACHINE LEARNING BASED DATA VISUALIZATION OF MOON ATMOSPHERIC COMPOSITION USING CHANDRAYAN2 CHASE2 DATA
34	INHABIT SPACE	46902592	TECHIE GANG	14933323	KENDRIYA VIDYALAYA ONE REWA	MADHYA PRADESH	EZHEALTH
35	INHABIT SPACE	27232520	ASTROVENTURERS	93d64937	DAV PUBLIC SCHOOL	PUNJAB	ASTROCLOUD VENTURE
36	INHABIT SPACE	15781142	STARGAZERS	d1c18674	DAV PUBLIC SCHOOL	DELHI	OFF WORLD

S.N.	THEME	ENTRY CODE	TEAM NAME	ATL UID	SCHOOL NAME	STATE	INNOVATION TITLE
37	INHABIT SPACE	54151751	TEAM CLUSTERS	61951978	VIDYA VIKAS ACADEMY	GOA	TERRAFORM VENUS AND MAKE IT A HABITABLE PLACE WHERE HUMANS COULD LIVE
38	INHABIT SPACE	28392394	SPOLVERINA	20917960	AMITY INTERNATIONAL SCHOOL MAYUR VIHAR	DELHI	SPOLVERINA
39	INHABIT SPACE	29121238	SPACE CRAFT	20521365	SRI SESHAAS INTERNATIONAL PUBLIC SCHOOL	TAMIL NADU	SPACE DEBRIS COLLECTING CRAFT
40	INHABIT SPACE	2353192	ASTRA	59942322	LOVELY PUBLIC SENIOR SECONDARY SCHOOL	DELHI	EXTRACTING LUNAR SOIL TO EXTRACT LUNAR WATER AND ELECTROLYZING WATER TO OBTAIN USEFUL GASES SUCH AS HYDROGEN LIQUID HYDROGEN AND OXYGEN
41	INHABIT SPACE	48062267	LUNAR LUNATICS	4c3d137	DR. K. B. HEDGEWAR SCHOOL	GOA	ADVANCED AND FEATURED MOON BASE
42	INHABIT SPACE	33181431	GLOBAL INOVATORS	1980955	APSWR CENTRE OF EXCELLENCE	ANDHRA PRADESH	DHAWAN SPACE ROVER
43	LEVERAGE SPACE	22031964	AURA	NON-ATL	DELHI PUBLIC SCHOOL R.K PURAM	DELHI	AURA (AUTONOMOUS RESCUE UAV)
44	LEVERAGE SPACE	74621038	SUPER SAT	NON-ATL	CHRISTU JYOTI CONVENT	MADHYA PRADESH	SATELLITE RECEIVING ANTENNA
45	LEVERAGE SPACE	4631933	SCREAMJET	FA281398	LALAJI MEMORIAL OMEGA INTERNATIONAL SCHOOL	TAMIL NADU	RELIABLE SCRAMJET
46	LEVERAGE SPACE	32151323	SUN THE CENTER	NON-ATL	GHSS NADUVANNUR	KERALA	LET US ANALYSE RADIATION FROM SUN
47	LEVERAGE SPACE	55411381	KUDAL CHALLENGERS	13048073	KUDAL HIGH SCHOOL AND JUNIOR COLLEGE KUDAL	MAHARASHTRA	MONITOR FOREST AND SAVE ENVIRONMENT
48	LEVERAGE SPACE	4369579	KI SPACE SQUAD	NON-ATL	KUNSKAPSSKOLAN INTERNATIONAL	HARYANA	REMOTE SENSING WITH THE HELP OF DRONE TECHNOLOGIES AND SATELLITE COORDINATION
49	LEVERAGE SPACE	1599257	SHIVA	25217100	DR KALMADI SHAMARAO HIGH SCHOOL	MAHARASHTRA	ONE TIME USE SPACE DEBRIS CLEARING BOT SWARM

S.N.	THEME	ENTRY CODE	TEAM NAME	ATL UID	SCHOOL NAME	STATE	INNOVATION TITLE
50	LEVERAGE SPACE	5621142	THE AMELIORATORS	NON-ATL	QUEEN MARYS NORTHEEND	DELHI	THE JUXTAPOSITION OF DISASTER PREPAREDNESS
51	LEVERAGE SPACE	18911577	MOBI SAT	e5d32225	PATHIPAGA CHEMMAL K GANAPATHI GOVERNMENT HIGHER SECONDARY SCHOOL	TAMIL NADU	MOBI SAT USING FIREBASE AND APPLICATION
52	LEVERAGE SPACE	54171787	AMANORA TEAM GRADE X	NON-ATL	AMANORA SCHOOL	MAHARASHTRA	DEBRIS ELIMINATING DEVICE
53	LEVERAGE SPACE	4723386	HIGG STARS	15C69182	MODERN PUBLIC SCHOOL	DELHI	GRAMISRO : IDEAL APP FOR RURAL SETTLEMENTS MONITORING
54	LEVERAGE SPACE	61061316	DWARF	15708777	FRONTLINE MILLENNIUM SENIOR SECONDARY SCHOOL	TAMIL NADU	CUBE SATELLITE
55	LEVERAGE SPACE	2694554	APS KALUCHAK	NON-ATL	ARMY PUBLIC SCHOOL KALUCHAK	JAMMU AND KASHMIR	DRONE TECHNOLOGY DESIGNS SOLUTION FOR REMORTLY MONITORING AND ENABLING SMART AND CONNECTED RURAL AND URBAN SETTLEMENTS
56	LEVERAGE SPACE	2912165	GAME CHANGERS	50d311264	DELHI PUBLIC SCHOOL	PUNJAB	DEBACLE DRONE-THE LIFE SAVER
57	LEVERAGE SPACE	2079224	SVYIS INNOVATORS	NON-ATL	SOU. VIJAYADEVI YADAV ENGLISH MEDIUM SCHOOL	MAHARASHTRA	MEDICAL DRONE
58	LEVERAGE SPACE	26392311	PYSAT	908110844	ST THOMAS RESIDENTIAL SCHOOL THIRUVANANTHAPURAM	KERALA	MACHINE LEARNING TENSORFLOW MODEL USING SATELLITE IMAGE FOR INDIAN AGRICULTURE
59	REACH SPACE	20462507	MOONLIGHT	1032394	M E S HIGHER SECONDARY SCHOOL VANDANMEDU	KERALA	METAL DETECTING ROVER
60	REACH SPACE	6956331	EXOPLANET HUNTING	ef929028	ST XAVIERS HIGH SCHOOL BHARNI BILASPUR	CHHATTISGARH	EXOPLANET HUNTING
61	REACH SPACE	79522428	SPACE TREKKERS	29878968	ST JOSEPHS MATRIC HIGHER SECONDARY SCHOOL	TAMIL NADU	EXPLORING CLEAN INDIA
62	REACH SPACE	88281957	PIS CBSE NERUL SPACE TROOPERS	NON-ATL	PODARINTERNATIONAL SCHOOL CBSE NERUL	MAHARASHTRA	THE SPACE DEBRIS CLEANER AIML TECHNOLOGY

S.N.	THEME	ENTRY CODE	TEAM NAME	ATL UID	SCHOOL NAME	STATE	INNOVATION TITLE
63	REACH SPACE	26091778	EXPLORERS	14622146	DAV PUBLIC SCHOOL PUSHPANJALI ENCLAVE	DELHI	MARS ROVER OF NEW GENERATION
64	REACH SPACE	3275193	SNPS SPACE EXPLORERS	21351161	SARVODAYA NATIONAL PUBLIC SCHOOL BANGALORE URBAN	KARNATAKA	AUTOMATION TECHNOLOGY
65	REACH SPACE	77271896	SUSTAINABLE SPACE INNOVATORS	4f8112431	DELHI PUBLIC SCHOOL GREATER FARIDABAD	HARYANA	SSLV, SPRING STEAM LAUNCH VEHICLE
66	REACH SPACE	2673139	SPACE RANGERS	NON-ATL	SANSKARTIRTH GYANPEETH	GUJARAT	CDFP RADIATION SHIELDING MATERIAL
67	REACH SPACE	8812163	AGRO BLAST	68096663	SUNBEAM ENGLISH SCHOOL	UTTAR PRADESH	AGRO FIT
68	REACH SPACE	26782114	SPACE SWEEPERS	8f5d5910	D B M S ENGLISH SCHOOL	JHARKHAND	SPACE SWEEPER
69	REACH SPACE	2068467	MARTIAN WALK	18667849	HANSRAJ MODEL SCHOOL	DELHI	MARTIAN WALK
70	REACH SPACE	2888111	TEAM MANTIS	31417289	VIKAS THE CONCEPT SCHOOL	TELANGANA	MANTIS MAGNETIC ASSISTANCE FOR NATURAL TRAVELLING IN SPACE
71	REACH SPACE	58472177	TECH INDIAN	10631390	GOVERNMENT HIGH SCHOOL KANCHIPURAM	TAMIL NADU	AI MARS ROVER
72	REACH SPACE	2338914	KALPANA STARS	89382113	APSWRS AND COLLEGE FOR GIRLS MARKAPUR	ANDHRA PRADESH	SPACE SHIP
73	REACH SPACE	23442504	PSV	11887124	BARODA HIGH SCHOOL BAGIKHANA	GUJARAT	GLIDER: REACH SPACE
74	REACH SPACE	2487808	SPACE RIDERS	19456156	PERUNTHALAIVAR KAMARAJAR GOVT GIRLS HR SEC SCHOOL	TAMIL NADU	LIGHT WEIGHT SPACESHIP WITH REDUCED RADIATION EXPOSURE
75	REACH SPACE	50091989	ORION	d8a410223	VIDYASHILP ACADEMY RUN BY VIDYANIDHI EDUCATION TRUST	KARNATAKA	TRANSFORMING STAGES