



सत्यमेव जयते  
NITI Aayog



ATAL INNOVATION MISSION

# ATL EXEMPLARY TEACHERS *of* CHANGE January – August 2020

Atal Innovation Mission,  
NITI Aayog





The true teachers  
are those who  
help us think for  
ourselves

—Dr. Sarvepalli Radhakrishnan

**MESSAGE**  
*from* **MISSION**  
**DIRECTOR**







It gives me immense pleasure to dedicate this book to all Atal Tinkering Lab InCharges across the country. It also gives me great pride to recognize the 'Exemplary ATL Teachers of Change' as a token of appreciation and encouragement for the extraordinary role some of them have played in the success of Atal Innovation Mission's Atal Tinkering Lab initiatives.

Dear ATL InCharges - I want to thank you all for your wonderful commitment to nation building. You are guiding and shaping young budding innovators on how to leverage the ATL labs to stimulate a problem solving innovative mindset. More importantly you are helping them realise their creativity and innovation potential creating potential job creators of the future.

'Exemplary ATL Teachers of Change' – Thank you for demonstrating efficiently on how to utilize and operate these ATL labs efficiently in an outcome oriented manner. You are also creating and identifying a sea of innovative talent for architecting the future destiny of our nation.

Your efforts in leveraging the ATL labs to ensure the desired outcomes as per Atal Innovation Mission's vision is both marvelous and inspiring. The extra miles that you have walked with us in the AIM innovation journey encourage the young minds to make use of Atal Tinkering Labs properly. Without you, the success of Atal Tinkering Lab initiatives is not possible.

I extend my heartiest congratulations to our first set of Exemplary ATL Teachers of Change who have been recognised through this book. I am sure your continued dedication and efforts will inspire many other potential ATL Exemplary Teachers of Change to build a new innovative India.

Inspire, Innovate as the agents of Change that our nation so urgently needs.

**R Ramanan**

Mission Director Atal Innovation Mission, NITI Aayog





# TABLE *of* CONTENTS

<b>About the program</b>	<b>8</b>
The Atal Innovation Mission	8
Objective of the Mission	8
The Atal Tinkering Labs	8
<b>Celebrating Teachers</b>	<b>10</b>
Why did we start the movement of Exemplary Teachers of Change (EToC)?	10
Process of identifying EToC	11
Role as EToCs	12
<b>ATL Exemplary Teachers of Change – (January - August)</b>	<b>13</b>

# ABOUT THE PROGRAM

## The Atal Innovation Mission

### Objective of the Mission

AIM, NITI Aayog is envisaged as an umbrella innovation organization that would play an instrumental role in alignment of innovation policies between central, state and sectoral ministries, by incentivizing the promotion of an ecosystem of innovation and entrepreneurship at various levels - higher secondary schools, higher educational and research institutions, and SME/MSME industry, corporate, and government ministerial level, by public-private partnership.

## The Atal Tinkering Labs

**As we have learned, you can mandate adequacy, but you cannot mandate greatness: it has to be unleashed.**

- Joel Klein, Vice-Chair of the Global Agenda Council on Education

We are at the cusp of a Fourth Industrial Revolution and the need for inculcating an innovative mindset within our youth is of paramount importance.

Combining the traditional teaching methodologies with today's experiential learning will be the key towards creating a unique blended education system in India. Keeping in mind the demands of the growing economy and global growth in innovation development, the Government of India,



embarked on a noble mission to create an ecosystem that nurtures futuristic skills like complex problem solving, critical thinking, adaptive learning, computational skills in children, with a vision to create one million neoteric innovators, with the ATL initiative.

ATL is encouraging students and teachers to experiment, explore and follow a self-learning path, thereby empowering them to think differently about problems and develop innovative solutions, by leveraging latest technology tools including 3D printing, Internet of Things, robotics, miniaturized electronics, space technology, drone technology, technology inspired textiles and so on. ATL is also providing other sections of the community including parents, mentors and other individuals interested in innovation to give life to their ideas. Through frequent community sessions, ATL is shaping an ecosystem wherein every individual can contribute towards finding solutions to day-to-day problems of the society and the country, henceforth creating a strong essence of national service.

Under the ATL scheme, grant-in-aid of up to Rs. 20 lakh is provided to schools selected for setting up ATL. The grant must be spent exclusively for the specified purpose within the stipulated time of a maximum period of 5 years, with Rs.10 lakh for capital expense and remaining Rs.10 lakh for operational and maintenance expenses.

As of October 2020, more than 5,400 ATLs have been established, covering 99% of all the districts and 110 Aspirational Districts of India. These labs, established in both govt. and private schools and majority in co-educational and girls' schools, are serving as community hubs of innovation, while transforming the way India learns, thinks, ideates and innovates. As per the Strategy for New India published by NITI Aayog, AIM, NITI Aayog shall establish over 10,000 ATLs by end of calendar year 2020.



# CELEBRATING TEACHERS

## Why did we start the movement of Exemplary Teachers of Change (EToC)?

ATL In-charges are the backbone that is driving the ATL initiative forward in their school and local community. They are the unsung heroes who deserve every bit of appreciation and encouragement from their students, the school and most importantly the ATL, AIM team at NITI Aayog.

It is for this reason that the AIM team has initiated a recognition platform for exemplary teachers across ATLs in India. These outstanding ATL in-charges will henceforth be called 'Exemplary Teachers of Change'.

## Process of identifying EToC

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In the first announcement made in March 2020, 45 EToC were selected from 34 States and UTs. The second batch for the period of January – August 2020 has 41 EToC that were selected from 34 states and UTs. The primary criteria for their selection was the continuous engagement with ATL as shared via the MyATL Dashboard.

MyATL Dashboard is the online platform for schools to indicate their ATL activity, achievements, student participation, innovations created, events conducted and challenges participated.

The team monitored the schools that were regularly updating their Dashboards and announced a monthly list of Top ATLs of the month. The Teachers of Change are those ATL in-charges who have consistently ranked their schools among the Top ATLs of the month for six continuous months.\*

Filling of monthly reports on MyATL Dashboard is mandatory as it is the primary way for ATL team to understand the success and performance of a particular ATL.

(Link to ATL Dashboard - <https://aim.gov.in/atl/>)

To guide you in filling monthly reports on MyATL Dashboard, we have prepared a step by step video for your assistance:

<https://www.youtube.com/watch?v=7VqU-HJwj2w&feature=youtu.be>



Further details related to MyATL Dashboard can be downloaded below)

<https://www.aim.gov.in/MyATL-User-Manual.pdf>



\*Some states had no school that was consistently ranked as the top ATL for 6 months, hence schools were selected on the basis of the maximum number of times it was ranked at top ATL of the month and in case of a tie, all the ties schools were selected.

## Role as EToCs

- The EToCs first and foremost should continue their work as ATL in-charges with the same zeal and enthusiasm
- Guide and motivate other in-charges by sharing your ATL experiences and best-practices.
- EToCs should become ambassadors for the ATL's challenges, innovation events and encourage participation from their region's ATLs
- Post at least one write-up/blog/video on Wall of Fame or on social media by tagging the official AIM handle every month sharing best-practices, technical knowledge and experiences.



**ATL EXEMPLARY**

# TEACHERS *of* CHANGE

**January – August 2020**





## Dr DHANANJAY PANDEY

- School** - Government Multipurpose Higher Secondary School Bilaspur Chhattisgarh
- ATL UID** - cbd03014
- City** - Bilaspur
- State** - Chhattisgarh

### What does ATL mean to you?

For me, atl means a work place for scientific worship with piousness and to help the society in their need by the means of science and technology

### Name 1 practice that you follow in your ATL that has helped your students become more innovative?

Punctuality, devotion and dedication in our work of innovation



## JOHNY ABRAHAM

- School** - Anand Niketan Maninagar
- ATL UID** - 305352
- City** - Ahmedabad
- State** - Gujarat

### What does ATL mean to you?

I must say that being the ATL Teacher has been a higher source of earthly honour as i get a greater opportunity to mould a society and empower them.

### Name 1 practice that you follow in your ATL that has helped your students become more innovative?

I always try my best to bring empathy to the projects we do in the ATL, alongwith nurturing the thought that everything is theoretically impossible until we do it.



## ER. RAHUL SHANDILYA

**School** - Vidya Vihar Residential School, Parora  
**ATL UID** - b7ed9478  
**City** - Purnea  
**State** - Bihar

### What does ATL mean to you?

ATL is the most essential platform for me to drive my passion to serve the community, to learn more and grow by being amongst young innovators.

### Name 1 practice that you follow in your ATL that has helped your students become more innovative?

I believe the best way to learn new things is to give them rights to explore themselves. So that let the creativity flow free and let the students decide what they want to create and innovative for that freedom of imagination is best practice.



## R SRINIVASAN

**School** - Jawahar Navodaya Vidyalaya Karaikal  
**ATL UID** - 8718288  
**City** - Karaikal  
**State** - Puducherry

### What does ATL mean to you?

A place of nurturing the innovation

### Name 1 practice that you follow in your ATL that has helped your students become more innovative?



## PREETI KAHER

**School** - ST Teresa Convent School  
**ATL UID** - 2788217  
**City** - Panchkula  
**State** - Haryana

What does ATL mean to you?

ATL provides an enabling environment for students to innovate through do it yourself approach.

Name 1 practice that you follow in your ATL that has helped your students become more innovative?

To make innovative projects



## SATISH EKNATH PATIL

**School** - Government Higher Secondary School Khanvel  
Marathi Medium  
**ATL UID** - 77647079  
**City** - Khanvel  
**State** - Ut of Dadra and Nagar Haveli

What does ATL mean to you?

Platform for innovations

Name 1 practice that you follow in your ATL that has helped your students become more innovative?

Assign one project to three different group of students. The best project is to be selected and explain to other students. so that everyone trying with different methods developing their creativity by self learning.



## KANGABAM HEROJIT SINGH

**School** - Churachand Higher Secondary School  
**ATL UID** - 16088342  
**City** - Imphal  
**State** - Manipur

What does ATL mean to you?

ATL is a workplace where imagination meets creativity.

Name 1 practice that you follow in your ATL that has helped your students become more innovative?

Inspiring students to explore their ideas and creativity into reality.



## SANTOSH JAIN

**School** - Govt Ex. Agri. H.S.S. Rehli  
**ATL UID** - 1546671  
**City** - Rehli  
**State** - Madhya Pradesh

What does ATL mean to you?

A special opportunity for technical learning

Name 1 practice that you follow in your ATL that has helped your students become more innovative?

Provide opportunities for students centered constructionism- think it, dream it, plan it, share it, make it.



## GANDU RAVI

**School** - Defence Laboratories School RCI  
**ATL UID** - 305011998  
**City** - Hyderabad  
**State** - Telangana

What does ATL mean to you?

Young Minds Innovation Place.

Name 1 practice that you follow in your ATL that has helped your students become more innovative?

I teach different real time Problems and try to solve those problems with their Innovations.



## J. NELSON ABIMANYU

**School** - Rathinam International Public School  
**ATL UID** - 15305917  
**City** - Coimbatore  
**State** - Tamilnadu

What does ATL mean to you?

One of the best Platform to develop creativity and innovation among all.

Name 1 practice that you follow in your ATL that has helped your students become more innovative?

I allow my students to ask questions irrespective of the clock and as long as they are not satisfied.





## SUBHASH ARAGI

**School** - Shri B V Kulkarni Govt High School Awaradi  
**ATL UID** - 54057901  
**City** - Belgaum  
**State** - Karnataka

What does ATL mean to you?

An opportunity for young minds to build future independent India.

Name 1 practice that you follow in your ATL that has helped your students become more innovative?

Identify and find solutions for surrounding problems.



## DHUSHASAN MAHANTA

**School** - Harichandanpur High School  
**ATL UID** - 17886187  
**City** - Keonjhar  
**State** - Odisha

What does ATL mean to you?

ATL is the place for the students to tinker and feel as an innovator.

Name 1 practice that you follow in your ATL that has helped your students become more innovative?

Design Thinking.



## R SHILPA

**School** - GSS Dairy Farm  
**ATL UID** - 16624626  
**City** - Port Blair  
**State** - A & N Island

**What does ATL mean to you?**

It is a platform for every child to stage their unique and creative brain.

**Name 1 practice that you follow in your ATL that has helped your students become more innovative?**

Providing a creative corner for the tinkerers to display their ideas and to plan the consecutive steps to transform their ideas into a model. The plans displayed on the creative corner helps them for any modifications if needed.



## G LILY JEBAMALAR

**School** - DAV Model School IIT Kharagpur  
**ATL UID** - 69fc2368  
**City** - Kharagpur  
**State** - West Bengal

**What does ATL mean to you?**

A lab that allows innovative minds to explore.

**Name 1 practice that you follow in your ATL that has helped your students become more innovative?**

Exposure to all possible ways to innovate through all resource given by Atal Innovation Mission. Guidance in tasks undertaken by the students and constant support and encouragement.



## MADHAVI GOSWAMI

- School** - Seth Anandram Jaipuria School
- ATL UID** - ebf5379
- City** - Ghaziabad
- State** - Uttar Pradesh

### What does ATL mean to you?

ATL is a innovation play workspace catering to meaningful and career ready education.

### Name 1 practice that you follow in your ATL that has helped your students become more innovative?

My ATL is a SOLE - Self Organised Learning Space, where students direct and lead their own learning in experiential way and at the same time leverage on collaborative learning too. Student led Intech ATL team@ jaipuria ensures, that they learn co-operate and learn together.



## MRS. TANVI

- School** - DAV Public School, Sector 14, Gurugram
- ATL UID** - 17438337
- City** - Gurugram
- State** - Haryana

### What does ATL mean to you?

Its a way of tinkering our imagination into reality.

### Name 1 practice that you follow in your ATL that has helped your students become more innovative?

We make students to think about the possible ways of solving a daily life problem individually and then ask them all to discuss their solutions with others and come up with the best among them.



## MANOJ KUMAR ROY

**School** - Kendriya Vidyalaya NEHU, Shillong  
**ATL UID** - 252411355  
**City** - Shillong  
**State** - Meghalaya

### What does ATL mean to you?

Giving opportunity to shine the brightest talent inside children, who can be the scientists of tomorrow's world.

### Name 1 practice that you follow in your ATL that has helped your students become more innovative?

Pick Small Projects-We often think that ideas must always be big, transformative, and game-changing. But often, it's lots of small, novel things that add up to make a huge difference.



## OM PRAKASH RANA

**School** - GMSSS (MHC) Manimajra  
**ATL UID** - 25562531  
**City** - Chandigarh  
**State** - Chandigarh

### What does ATL mean to you?

Basic foundation of future scientists.

### Name 1 practice that you follow in your ATL that has helped your students become more innovative?

First I show the demonstration, then allow them to try it themselves.



## SEEMA GUPTA

**School** - Bhartiya Vidya Mandir Sen. Sec. School, USN  
**ATL UID** - 4c7911478  
**City** - Ludhiana  
**State** - Punjab

### What does ATL mean to you?

According to me ATL is a platform where imagination meets creativity, problem meets solutions, Curious minds are satiated in innovative aura of the Lab.

### Name 1 practice that you follow in your ATL that has helped your students become more innovative?

In my ATL ideas are respected, they are put into action after thorough deliberation and research. Community students are also involved and given hands on experience on all the tools available. The raw ideas are shaped through critical thinking and design.



## NOREN KULI

**School** - Laimekuri Higher Secondary School  
**ATL UID** - 49959019  
**City** - Jonai  
**State** - Assam

### What does ATL mean to you?

Student can learn and conceptualize different scientific ideas by experiment. promotion of world class innovation scientific environment,creativity among st Indian students.

### Name 1 practice that you follow in your ATL that has helped your students become more innovative?

ATL class is trying to integrate into their lessons through innovative models and projects.Integrated Science,technology,engineering and maths activities in the curriculum lessons of various classes of students through "do yourself" attitudes in my school.





## PRINCE SHARMA

**School** - Model academy  
**ATL UID** - e28c6029  
**City** - Jammu  
**State** - Jammu and kashmir

What does ATL mean to you?

ATL is the future of our young generation to think, design, and innovate for new India.

Name 1 practice that you follow in your ATL that has helped your students become more innovative?

We ask them to find problems in their society and then innovate for it.



## P. DIVYA JYOTHI

**School** - Bright Stars High School  
**ATL UID** - 151111837  
**City** - Jogulamba Gadwal  
**State** - Telangana

What does ATL mean to you?

Igniting the students to create solutions to the problems of the society and become contributing innovative citizens of our country.

Name 1 practice that you follow in your ATL that has helped your students become more innovative?

I made each class from 6th to 10th standards to develop their ATL Innovation box of their class level and sent it to their villages to exhibit in the public places. This inspired the students to take the challenges in their surroundings and find solutions.



## IVAN DORJEE LEPCHA

**School** - Paljor Namgyal Girls' School  
**ATL UID** - f3fa403  
**City** - Gangtok  
**State** - Sikkim

### What does ATL mean to you?

The ATL in our school has given a whole new perspective in learning; both to students as well as teachers.

### Name 1 practice that you follow in your ATL that has helped your students become more innovative?

Peer Learning and participation in competitions.



## V. JOSEPH LIANLUTA

**School** - Christian High School  
**ATL UID** - 27015595  
**City** - Siaha  
**State** - Mizoram

### What does ATL mean to you?

ATL is an innovative platform, a secret door of change of our country.

### Name 1 practice that you follow in your ATL that has helped your students become more innovative?

Encourage Collaboration-By talking through ideas and problem-solving as a team.



## R. JAMUNA

**School** - Thanthai Periyar Govt Girls HR Sec School  
**ATL UID** - b055791  
**City** - Pondicherry  
**State** - Pondicherry

### What does ATL mean to you?

It is a platform where the students acquire knowledge on latest technology and are shaped to the modern world.

### Name 1 practice that you follow in your ATL that has helped your students become more innovative?

We make them innovative by arranging classes regularly on latest updates in science and technology and facilitate them in making use of the lab whenever they needed.



## SHARANU KONASAGAR

**School** - Shri Kalidas Comp Pre University College  
**ATL UID** - 11039882  
**City** - Badami  
**State** - Karnataka

### What does ATL mean to you?

Sharing and working on new ideas.

### Name 1 practice that you follow in your ATL that has helped your students become more innovative?

Explore your ideas and create meaningful innovations.



## ARJUN MADHAVANKUTTY

**School** - Maa Anandmayee Memorial School  
**ATL UID** - 52712813  
**City** - Dehradun  
**State** - Uttarakhand

### What does ATL mean to you?

Atal Tinkering Lab is a space where innovation is nurtured and fostered. It is made accessible to all to make sure the next generation is ready to take upon the challenges.

### Name 1 practice that you follow in your ATL that has helped your students become more innovative?

Structured Skill building sessions on technology like coding and AI is something which help students to explore new things.



## DIGVIJAY NATH DWIVEDI

**School** - Mamta Modern SR Sec School Vikaspuri  
**ATL UID** - 31056576  
**City** - Delhi  
**State** - Delhi

### What does ATL mean to you?

Playground to design dreams

### Name 1 practice that you follow in your ATL that has helped your students become more innovative?

Our ATL works at the grass root level by introducing children to innovation and tinkering; a regular time table is followed for our budding scientist, our school has started artificial intelligence as a subject from class VI and onwards.



## CHINTAMANI K. SHIRODKAR

**School** - Dr. K. B. Hedgewar High School  
**ATL UID** - 4c3d137  
**City** - Cujira  
**State** - Goa

What does ATL mean to you?

A Mission to Future Skill school students.

Name 1 practice that you follow in your ATL that has helped your students become more innovative?

Interactive sessions in groups throwing up problem statements as well as solutions.



## SHEHNAZ KHAN

**School** - Rainbow International School  
**ATL UID** - d69f7304  
**City** - Nagrota Bagwan  
**State** - Himachal Pradesh

What does ATL mean to you?

A platform where dreams turn into reality.

Name 1 practice that you follow in your ATL that has helped your students become more innovative?

I never discourage any of the ideas whether logical or illogical. Also brainstorming session is conducted frequently.





## AMARNATH SAHANI

- School** - Vivekananda Kendra Vidyalaya Ziro
- ATL UID** - 89821541
- City** - Ziro
- State** - Arunachal Pradesh

### What does ATL mean to you?

ATL is a workspace that provides a perfect learning environment for curious students by engaging them in Do-it-Yourself activities which will help them cultivate the habit of learning-by-doing.

### Name 1 practice that you follow in your ATL that has helped your students become more innovative?

Motivate students to solve community based problems.



## NAVEEN KUMAR

- School** - SRN International School
- ATL UID** - 22046790
- City** - Jaipur
- State** - Rajasthan

### What does ATL mean to you?

A place to make world better.

### Name 1 practice that you follow in your ATL that has helped your students become more innovative?

Identify the root cause of problem and then find solution. Design thinking is one of the strongest tool in innovation.



## RITU CHOUDHURY

**School** - Motilal Nehru Public School  
**ATL UID** - 22306695  
**City** - Jamshedpur  
**State** - Jharkhand

What does ATL mean to you?

A place nurturing innovations in young minds.

Name 1 practice that you follow in your ATL that has helped your students become more innovative?

Assigning problems faced in real world and asking students to provide possible solutions using innovative methods.



## VIDHYA VIJAYAN

**School** - Amrita Vidhyalayam, Puthiyakavu  
**ATL UID** - 28429691  
**City** - Karunagappally  
**State** - Kerala

What does ATL mean to you?

Atal Thinkering Lab is a place where students can freely share their ideas.

Name 1 practice that you follow in your ATL that has helped your students become more innovative?

ATI lab is students driven lab not a class, where they share their ideas and doing projects.



## SUMY POULOSE

**School** - St.George E M S Chully  
**ATL UID** - 25998374  
**City** - Ernakulam  
**State** - Kerala

What does ATL mean to you?

Platform for creating the innovative skills.

Name 1 practice that you follow in your ATL that has helped your students become more innovative?

To improve their logical skills, we conduct innovative competitions frequently.



## MRINAL DAS

**School** - Belonia Vidyapith H S School  
**ATL UID** - 10177359  
**City** - Belonia  
**State** - Tripura

What does ATL mean to you?

Name 1 practice that you follow in your ATL that has helped your students become more innovative?

I always encourage students to express their innovative ideas and to do experiment by providing materials required for preparing their models and projects.



## ROHIT NISHANT TOPPO

**School** - Jawahar Navodaya Vidyalaya, Peren  
**ATL UID** - 17883105  
**City** - Jalukie  
**State** - Nagaland

### What does ATL mean to you?

The ATL JNV peren is fostering to develop the imaginations of the students. The projects of ATL has diversified the thinking & potential students have started thinking about the possible solutions of the day to day problem of their lives.

### Name 1 practice that you follow in your ATL that has helped your students become more innovative?

Experiential Learning . The school tries its maximum to involve the students deeply in any kind of project. The experts are directed to help the students to develop their thought process while dealing with any subject / topics.



## SUMIT PRAJAPATI

**School** - Ryan International School  
**ATL UID** - 24834434  
**City** - Mumbai  
**State** - Maharashtra

### What does ATL mean to you?

An Innovation Hub which provides prestigious opportunities to our young Ryan Innovators to transform their dreams into reality.

### Name 1 practice that you follow in your ATL that has helped your students become more innovative?

The Tinkering activities which provided our ATL students the opportunity to tinker and showcase their Innovation, creating awareness in the locality.



## MOHD. RAFI DAR

**School** - St.George E M S Chully  
**ATL UID** - 29299906  
**City** - Anantnag  
**State** - Jammu & Kashmir

What does ATL mean to you?

Working space to develop scientific temperament among students and teachers.

Name 1 practice that you follow in your ATL that has helped your students become more innovative?

Identification of problems in the community and the discussions thereof in the problem-solving sessions to redress the same.



## MEKA VAMSI KRISHNA

**School** - Mahati EM High School  
**ATL UID** - 26265353  
**City** - Tadepalligudem  
**State** - Andhra Pradesh

What does ATL mean to you?

Great initiative giving Technology access to build the next generation engineers.

Name 1 practice that you follow in your ATL that has helped your students become more innovative?



## GARUD HANUMANT RAMRAO

**School** - Jawaharlal vidhyalaya kedgaon, Daund  
**ATL UID** - 252411355  
**City** - Pune  
**State** - Maharashtra

What does ATL mean to you?

The platform in which students can learn and innovate things in early age.

Name 1 practice that you follow in your ATL that has helped your students become more innovative?

3D printing & 3D designing as it motives me that we can bring our idea in reality.







ATAL INNOVATION MISSION