

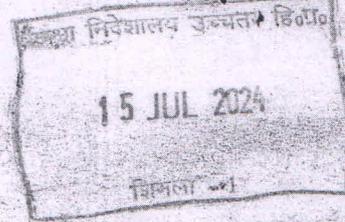
NO.EDN HE (21)F(02)02/2022-V
Directorate of Higher Education
Himachal Pradesh-Shimla
e-mail-- dhe-sml-hp-@gov.in

Dated Shimla-171001

the

12 July 2024

To, All the Deputy Directors,
Higher Education
Himachal Pradesh



Subject: Enhancing the functionality, usage and record maintenance for Atal Tinkering labs within the State of Himachal Pradesh

Sir,

As a part of ongoing efforts to maximize the benefits of ATL and to ensure the effective utilization of our ATL we are implementing several initiatives aimed at improving its functionality, increasing student participation and record system in schools having Atal Labs. In order to provide hands-on Learning/experiential education to as many students as possible we can do collaboration with clusters Schools and nearby schools to access ATL facilities. Among other, the steps which could be taken are as following:

1. **Workshops and Training Sessions:** Workshops on various topics like robotics, 3D printing, coding and electronics. Training sessions for teachers to familiarize them with ATL resources and encourage them to integrate their tools into their curriculum.
2. **Students Engagement Programs:** Initiate students-led projects and competitions to spark interest and creativity. Form ATL Clubs where students can collaborate on innovative projects and share ideas.
3. **Collaboration with adjoining schools:** partner with nearby schools to allow their students access to our ATL facilities.
4. **Community Awareness Campaign:** Host open House events and demonstrations during PTM or SMC meeting to showcase the potentials of ATL. Use Social Media, local newspapers and School Magazine to spread

awareness about the benefits of hands-on Learning and opportunities available at ATL.

5. Records and Booking System: In order to create data on the experiments and activities performed by the students the record regarding section of the Labs most frequently used and by which level of students, is required to be kept.

- ✓ Physics Section: Usage of physics related equipments and projects.
- ✓ Maths Section: Mathematical models and stimulations being used
- ✓ Electrical Section: Electrical experiments and circuit building activities
- ✓ Robotic kits: Monitor the usage of and programming activities

Create and maintain detail record of student's participation. Log the specific activities or projects each student engages in, categorize by the section of the Lab (Phy, Chem, Maths, robotics, electronics etc.) as per ANNEXURE-A. Also record whether the student is beginner, Intermediate or advanced users of ATL resources. Compile the data from the Participation Register to generate Monthly Report register ANNEXURE-B on the different section.

Therefore, to maximize the benefits of ATL and ensure that all students have opportunities to engage in Hands-on Learning and Experiential Learning your cooperation in maintaining accurate records and encouraging students participation is essential for the success of this initiatives.

Submit a monthly report to this office by 20th of every month.

Treat it as most urgent

Dr. Amarjeet Sharma
Director Higher Education

Endst.no. even

Shimla-171001

12 dated-July 2024

Copy of information and necessary action to :

- ✓ 1. The Technical officer IT Branch, to load the information in official website
2. Guard file

Dy. Director of
Higher Education
19 JUL 2024
Dispatch No. 3415-
Kangra at Dharamshala

Endst. No. EDN-KGR (Sc. Consultant) ATL / 2024
Olo The Dy. Dir. of Higher Education Kangra at Dharamshala.

Copy to:- All the Principals/HMs of GSSS/pvt. schools of Distt. Kangra are directed to maintain the record of students as per Annexure-A & B and submit a monthly report to the undersigned by 15th of every month. So that consolidated (ATL) report sent to higher authority.

Encls-Annexure-A & B

Dy. Director of Hr. Education
Kangra at Dharamshala

ANNEXURE -A

DISTRICT-

SCHOOL

UDISE CODE-

STUDENT PARTICIPATION REGISTER

SESSION-

S.N O.	CLASS/ SECTION	NAME (student/ teacher)	SCHOOL DATE/ TIME	PROJECT NAME	ACTIVITY DETAIL(SECTION)					REMARKS
					Physics	Chem	Maths	Elect rical	etc	

Signature of Incharge

Signature
Principal
School

ANNEXURE -B

DISTRICT-

SCHOOL-

UDISE CODE-

MONTHLY REPORT REGISTER

SESSION

S.N O..	NO. OF STUDENTS (Participants)	LEVEL OF STUDENTS (Beginners, intermediate, advance)			SECTION OF LAB USED				PROJECT NAME	Date & time	SCHOOL (Cluster,nearby,etc)
		Beg	Int	Adv							
1.											
2.											

Incharge Atal labs
Name
Phone no. & email Id

Principal
Name of the School