aksharadaan.net

AKSHARAMAALA

Free, multi-disciplinary, online learning interface

Aksharamaala aims at providing a free online learning facility to enhance and sustain curricular, co/extracurricular, and motivational connect of class 10 students during the pandemic and beyond.

A pilot experiment is carried out with the participation of **Dept. of School Education, Sangareddy, IITH, VRSEC, GITAM(H).**



DEMONSTRATED SERVICES

Learning material: Curriculum and non-curriculum content (internet-based, free and shareable) for English and Telugu Medium (State Syllabus) organized in shelves.

Connect with GEMs: Free online coaching for SSC students in Maths and Physics by Ph.D/M.Tech/B.Tech students from participating institutions.

Online doubt clearance, resources: Any student can post their doubts and any teacher can clarify. They can also access lesson-wise past paper questions.

Periodic online exams and awards: Open ended online periodic exams and awards to motivate students.

Mentoring and guidance: Online motivational lectures and interactions with national icons.

OUTCOMES



400 hours of online coaching for 88 SSC students, undertaken by **25 Volunteers** from participating institutions improved academics, career-planning.



2000 Students, and **35 schools** of Sangareddy District learned through Aksharamaala during pandemic. **800 Students** extensively used online videos from Nov - Apr'21.

7 Motivational Lectures from persons like Dr Seetha Somasundaram, Mangalyaan Mission, ISRO, inculcated zeal to





worth awards significantly improved inclination towards online learning.

SYMBIOSIS
INTERNATIONAL UNIVERSITY

Dr. Sandipan Das <sandipan@sig.ac.in>

Fwd: Aksharamaala - Volunteers -Regd

1 message

SIG: PA to Director <patodirector@sig.ac.in> Wed, Oct 13, 2021 at 4:23 PM
To: "Dr. Sandipan Das" <sandipan@sig.ac.in>
Cc: "Dr.T.P Singh" <director@sig.ac.in>, "Dr.Vidya Patkar" <deputydirector@sig.ac.in>

Dear sir,

As discussed, please provide the required details to Dr. Murthy, and as directed by the director sir, all the communication with students should go through SIG only, hence the contact details of the students should not be shared.

Please let me know if any additional information is required from my end.

Thanks & Regards,
Netra Gaikwad
PA to Director
Symbiosis Institute of Geoinformatics
Tel.: 020 25672841. Ext 204

---------- Forwarded message ---------
From: <msr.murthy@aksharadaan.net>
Date: Sun, Oct 10, 2021 at 12:30 PM
Subject: Aksharamaala - Volunteers -Regd
To: <patodirector@sig.ac.in>
Cc: <director@sig.ac.in>

Dear Madam

Good morning

Thank you for the telephonic call to inform about nominating volunteers to give online coaching for rural students. Our flyer on Aksharamaala and small video on the program is also sent for circulation among students.

Following are details about online coaching program to be taken up your Your college students as volunteers :

- Each volunteer will be given five 10th class students of rural areas of Telangana state, if available Maharashtra state
- Subjects for coaching : Maths, Physics or Both
- Medium: English or Telugu
- Duration: Nov 15, 2021 – Feb.2022, One hr/day, 2 days / week
- Coaching can be taken up by volunteer on any day of his/her convenience
- Student allotment to volunteer is done matching the gender of student-volunteer
- Online Orientation workshop about program and coaching will be conducted
- Aksharamaala provides online lessons, text books, bit banks, video facility, online exams/assignments support
- Volunteers will be given appreciation certificate jointly signed by Aksharadaan, DEO, and Principal/Director of his/her college, also will be gifted motivational books and felicitations by Celebrity guest.

You may kindly provide students details students as per the proforma attached.

May kindly arrange to send the nominations by November 2nd 2021 to help us to allot students, organise workshop and start classes.

With best regards

MSR Murthy

AKSHARADAAN



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3 attachments

Aksharamaala Glimpses.mp4
23574K

volunteer registration form.xlsx
10K

Aksharamaala_Flyer.pdf
1364K

Volunteer Based Online Coaching in Government Schools of Sangareddy District: (2021-2022)

Assessment Report

Aksharadaan

भारतीय प्रौद्योगिकी संस्थान हैदराबाद
Indian Institute of Technology Hyderabad

GOVERNMENT OF TELANGANA

July 2022

Our Participating Institutions



























In coordination with Dept.of School Education,Sangareddy and IIT Hyderabad

Volunteer Coordinators

GITAM University,Hyderabad Campus
Bhuvana PC

IIT Hyderabad
Aakanksha Ruhela
Abhishek Das
Cilaveni Goutham
Ganaraj Borade
Jyosthna Sri

VRSEC,Vijayawada
Niharika Terli
Sri Vyshnavi KP

Our beloved Volunteers

BITS,Pilani(Hyderabad)
Aagam G Shah
M N Indrajith

BVRIT,Narsapur
Devika Meesala
Swetha Mukka

CBIT,Hyderabad
Bhanu Prasad Paitar
Gopasi Nandini
Koppala Praneetha
Nandini Nenavath
Nikhil Medavarapu
Gajwari Sai kiran
Saimeghana B
Shravani Koduru

GRIET,Hyderabad
Marisetti Sathya Abhijna
Peddanna Sumanjali
S VIKAS

IIT Hyderabad
Adithi Sirpa
Chandrahaas vakkalagadda
Damisetti Lakshmi Manohar
Dinesh M
Gedela Sai Sravya
Harshitha Sagiraju
Karthik Reddy
Mayank Agrawal
Mucharla Supriya
Mukkavalli Bharat Chandra
Naitik Malav
Pindi Haritha
Piyushi Manupriya
Pradyumna Sadhu
Pragna Mamidipaka
Pranav Ryali
Priyansh Jaswal
Pudtha Sadhana
Sai Prachodhan Devulapalli
Sai Spurthi Reddy L
Satya Aditi Dhaaipule
Shathanand Sai M
Shiva Shankar Y
Sidhant Ranka
Sowrya Gali
Suvitti
Vivek VK

NIT,Warangal
Avanthi
Lalagari Tejaswini
Gundla Manga Rani
Manoj Kumar Mina
MEKALA PAVAN
Sathvika Pasupuleti
SHIVA KARAN CHINTA

SNIST,Hyderabad
CHANUBOYINA SHRIYA
KAGITHA POOJA PRANATHI
MANGALI VIJAYA LAKSHMI
MANOVIKAS MUKKERLA
SIDDARTH REDDY P
SURAM VIGNESH

Symbiosis,Pune
Gajwani Kashish Kamal
Ivaturi Siddhardh Kasyap
Kanika Mehta
Ravi Mohanrao Badure
Sanchitha Das
Shanu Thakur
Shrishti Ramnarayan Singh
Sugam Samriti Banchta

VASAVI,Hyderabad
Bathula Srija
Ruhi Prasad
Srivani Panuganti

VJIT,Hyderabad
Balki vishrutha uday

VRSEC,Vijayawada
GADAMSETTY SAMHITHA
DHATRI PHANI PRIYA K
Mohammad Neelofar Jaha
Palleti Divya Sree
POTLURU SRI SASHANK
Rayidi sai sree sresta

Composition - Students and Volunteers

SSC Students Participated

- 165 students from 45 government schools
- 100 girl and 65 boy students
- 85 Telugu and 80 English medium students

Volunteers Participated (List shared separately)

- 72 volunteers from 12 prestigious academic institutions
- 40 girl and 32 boy volunteers
- No.of students / Volunteer -3 (for telugu medium girl volunteers 5)

- Eight Volunteer Coordinators

In coordination with school HMs and Guide teachers

Details of Coaching

Time Spent by Volunteers

Duration:

Dec 15 - March 15, 2022, weekly twice one hr planned

Actual student hours spent for coaching - 1806 student hrs.

Total student hrs. spent by volunteers - 673 hrs x 2 - 3.5 students/volunteer)

Many volunteers extended doubt clearance support till board exams(End of May)

Students attendance

50% - 100% with an average of 68%

Subjects taught and approach - Mathematics and Physical Sciences

- Improve understanding of identified tough topics
- Clearing doubts
- Learning skills and Shortcuts
- Practice of previous papers
- Preparation with exam focus
- Internal assessment

Performance of Aksharamaala Students in Mathematics SSC Board Exam

(Based on online response from 102 students of 168 trained students)

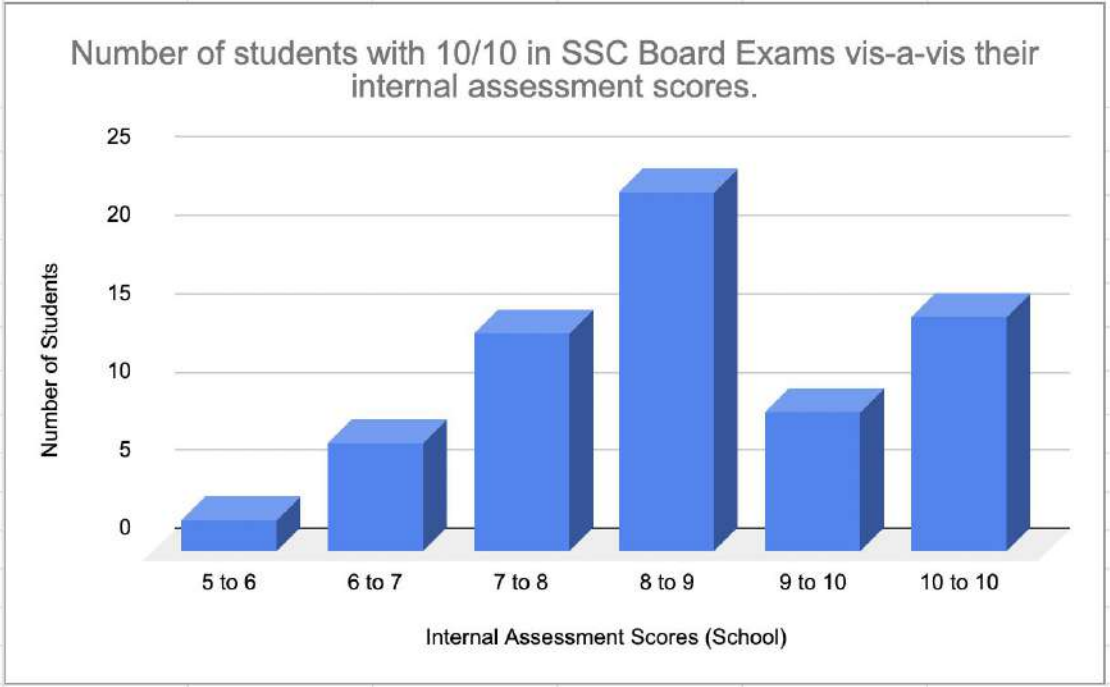
Performance of Aksharamaala Students		
Score Range (points)	*Number of students as per Internal Assessments in School*	*Number of students as per SSC Board Exam*
5 to 6	4	0
6 to 7	9	1
7 to 8	23	1
8 to 9	22	12
9 to 10	44	88
Total	102	102

Internal Assessment score - At the time of student nomination,schools provided average academic levels of students based on 9th class and current year, students also provided from their sid

Students moving towards higher scores is achieved

Improvement in Mathematics scores - SSC Board Exam

(Based on online response from 102 students of 168 trained students)



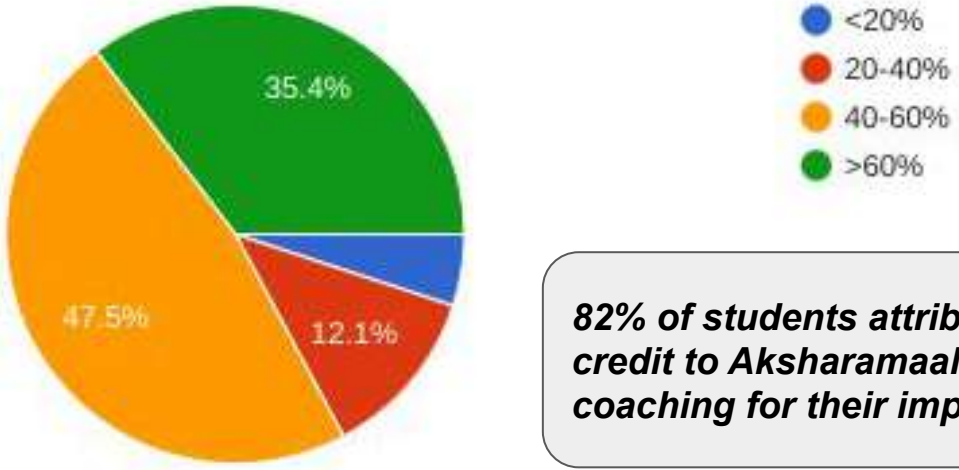
72/102 (70%) of students achieved 100/100 in Mathematics
Students at all academic levels improved and achieved 10/10

Improvement in Marks

Percentage of credit given by students to Aksharamaala online coaching

How much have Aksharamaala online classes helped you to improve your scores?

99 responses

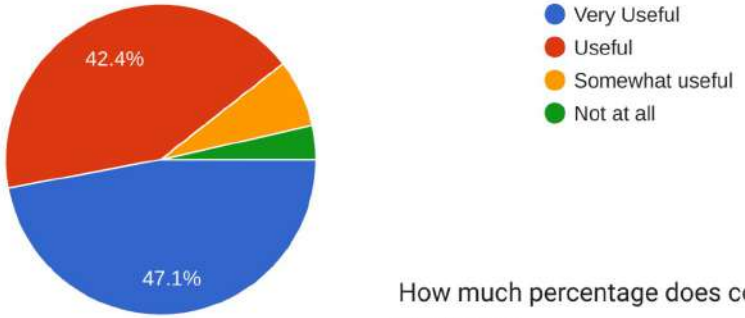


82% of students attributed >50% credit to Aksharamaala online coaching for their improved scores

Students Feedback on Coaching Process

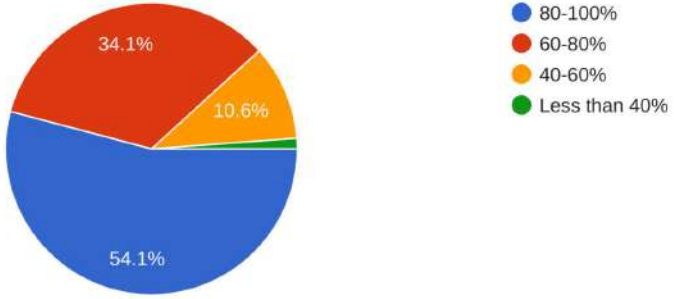
How useful are the online explanations given in classes?

85 responses



How much percentage does coaching help to improve your understanding of tough topics?

85 responses



Student Impressions

(Presented without language editing)

About Impact of classes

First of all sir teaching is very well , aksharamala online classes helped me a lot , Iam improved in mathematics subject thats why i got today 10 points

maku manchi result vachidante aksharamaala classes unchi maku chala helpful ayindi soo again'thanks soo much for all aksharamaala team 👍.

I have got 10 points in maths because of aksharamala

Aksharamala online classes helped me to score good marks in ssc exam by giving good classes to me it really helped me in ssc exams

Excellent in Aksharamaala onilne classes helped to me It helped very well I improved my study has better.....

Naku chaduvu meda chala Concentration perigindi

About Process of Coaching

In maths there are many ways to solve the problem. mam teached the classes in easy way and we understood well. I am Always thank you to my volunteer mam

Aksharamala classes were helped me in maths alot. When i were absent in school I didn't learn polynomial chapter, in Aksharamala i learnt it very well thank you so much

We had glad to with aksharamala that our volunteers had cleared our doubts what ever we had in the subject that helped very much

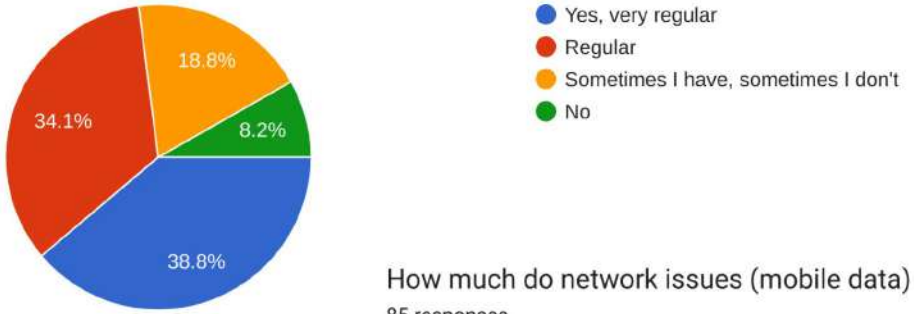
These online classes helped me a lot in the time of ssc board exam

In physics it helped me in understanding topics clearly practically in video format

Student Feedback - Challenges

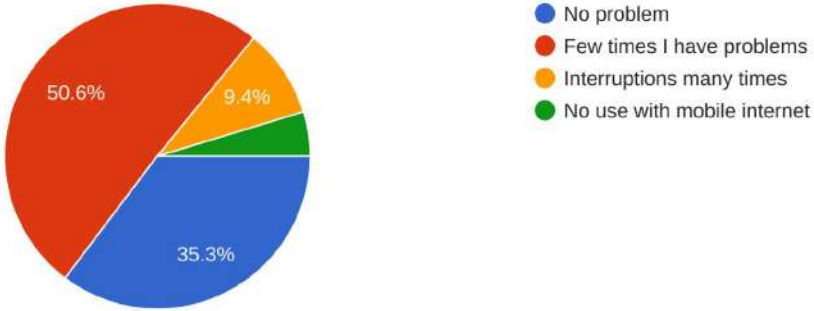
Do you have regular availability of mobile phones to attend online coaching classes?

85 responses



How much do network issues (mobile data) impact your classes?

85 responses

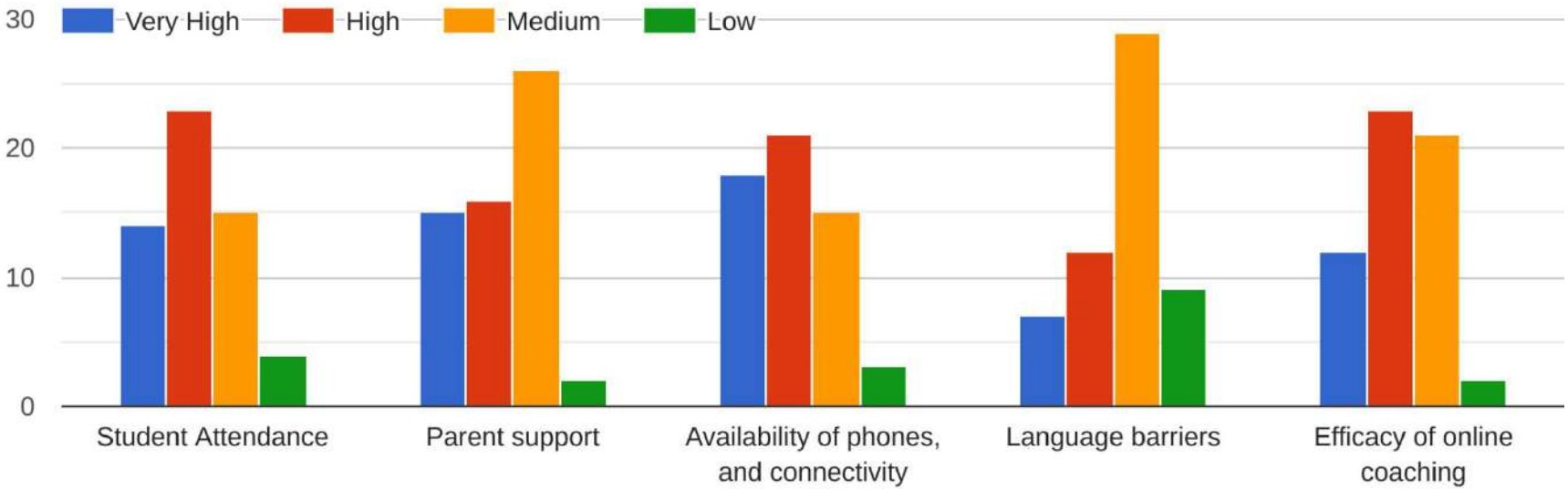


Student Feedback - Salient Findings

- 70 -80% students rated coaching Useful -
- Student friendly coaching process followed
- On an average 2 classes/week students suggested
- Around 46% of students requested for English coaching also
- Medium of communication by volunteers is not found limiting factor.
- More than net connectivity, phone availability is found to be more limiting factor (27% reported irregular - no availability)
- Parental and guide teacher support helps student prepare and attend for classes

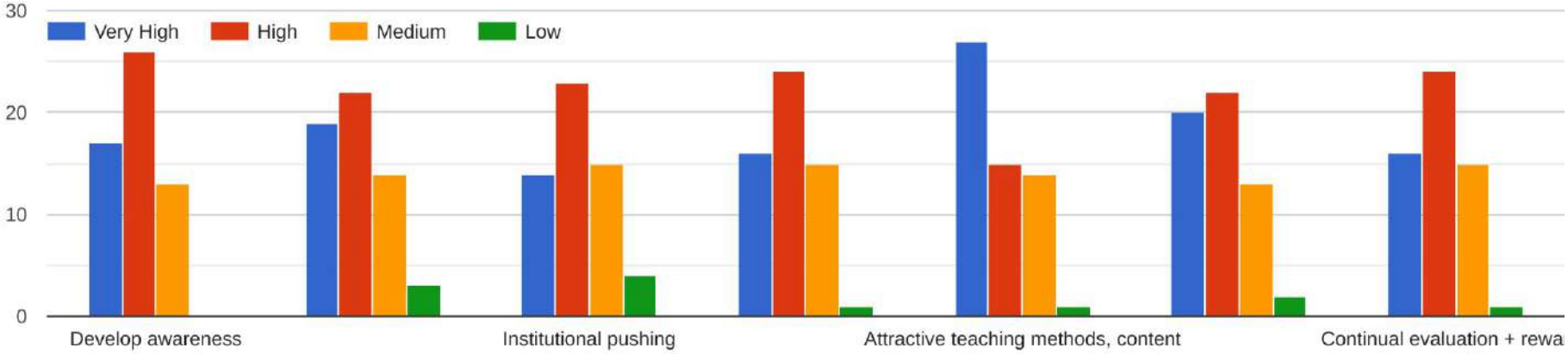
Volunteer feedback on Challenges

Can you rank the following as most inhibiting factors to continue this program?

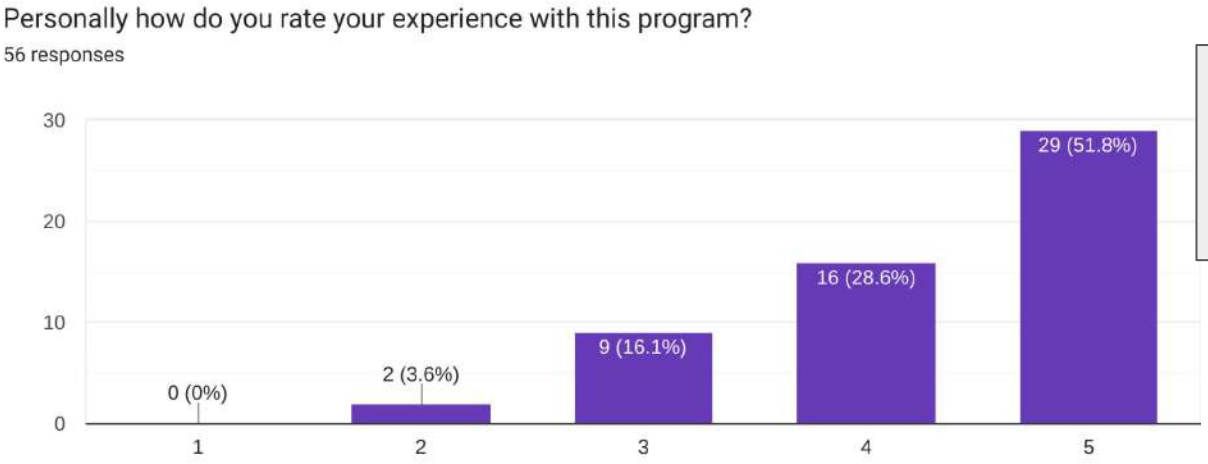


Volunteer feedback
Ways to draw attention of students

Can you rank the following on drawing attention of students to avail fully the benefits of this program?



Volunteer Impressions on Program participation





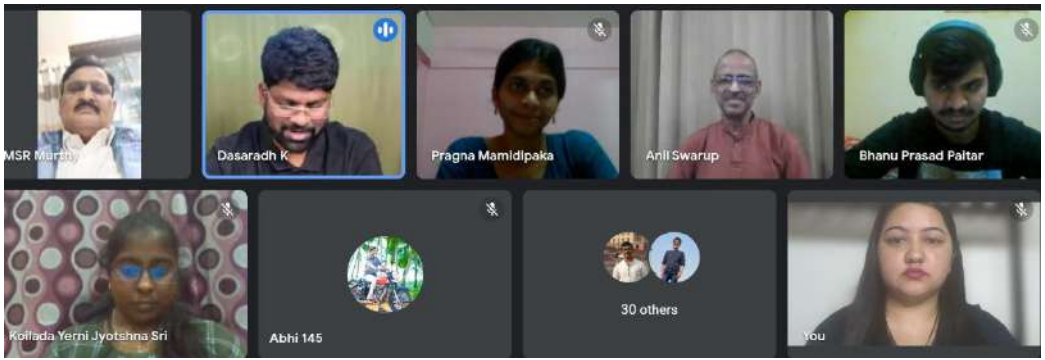
Volunteer Feedback
Salient Points

- Choosing interested students, awareness building and preparedness is crucial
- Parental support, Availability of phone is very critical
- Current work load and coaching approach is found fine
- Academics, Career guidance and developing positive outlook on society are rated high as parameters for coaching
- More than 70% volunteers wish to continue next academic year
- 70% volunteers concurred with idea of scaling across many schools

Motivational Lectures and Interactions by Eminent Persons



Motivational Session for School students
Prof.BS Murty,Director,IITH



Motivational Session for Volunteers by Dr Anil Swarup,(IAS,Retd)
Former Secretary, Min.of Education,Govt .of India

- Communication Skills Personality development Personality development
- Preparation for exams How to study
- Dreaming and think big Career Planning

Career Counselling
One to One Discussion with Experts

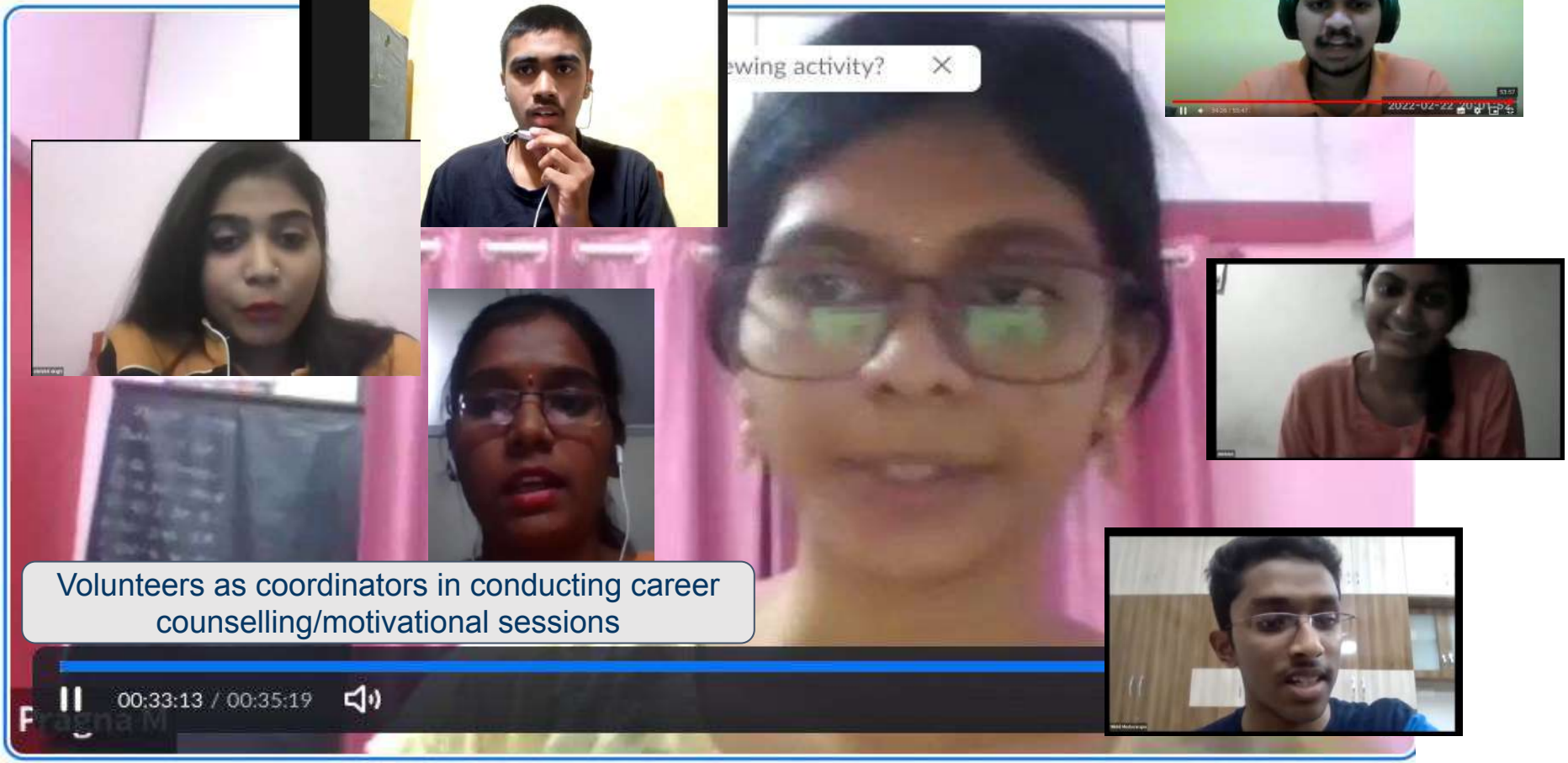
Careers

- ARMY,
- POLICE
- Engineer
- Doctor
- IAS
- COMMERCE
- Teacher
- Management

150 students availed benefits through 10 sessions by 14 thematic experts



Aksharadaan Volunteer's Personal Meeting Room - Shared screen with speaker view



Volunteers as coordinators in conducting career counselling/motivational sessions

Efficiency Improvement

Current efficiency in terms of turn out of volunteers and students - 50-55%
Based on the experiences and challenges faced following factors are identified to enhance efficiency to 70-75%

Volunteers Participation

- Adjust coaching period optimally with volunteer academic schedules
- Attach two volunteers per group of students over the period
- Develop criteria to select committed volunteers and build rewards
- Allotment of students – For example from same school
- More Incentives for volunteers and colleges

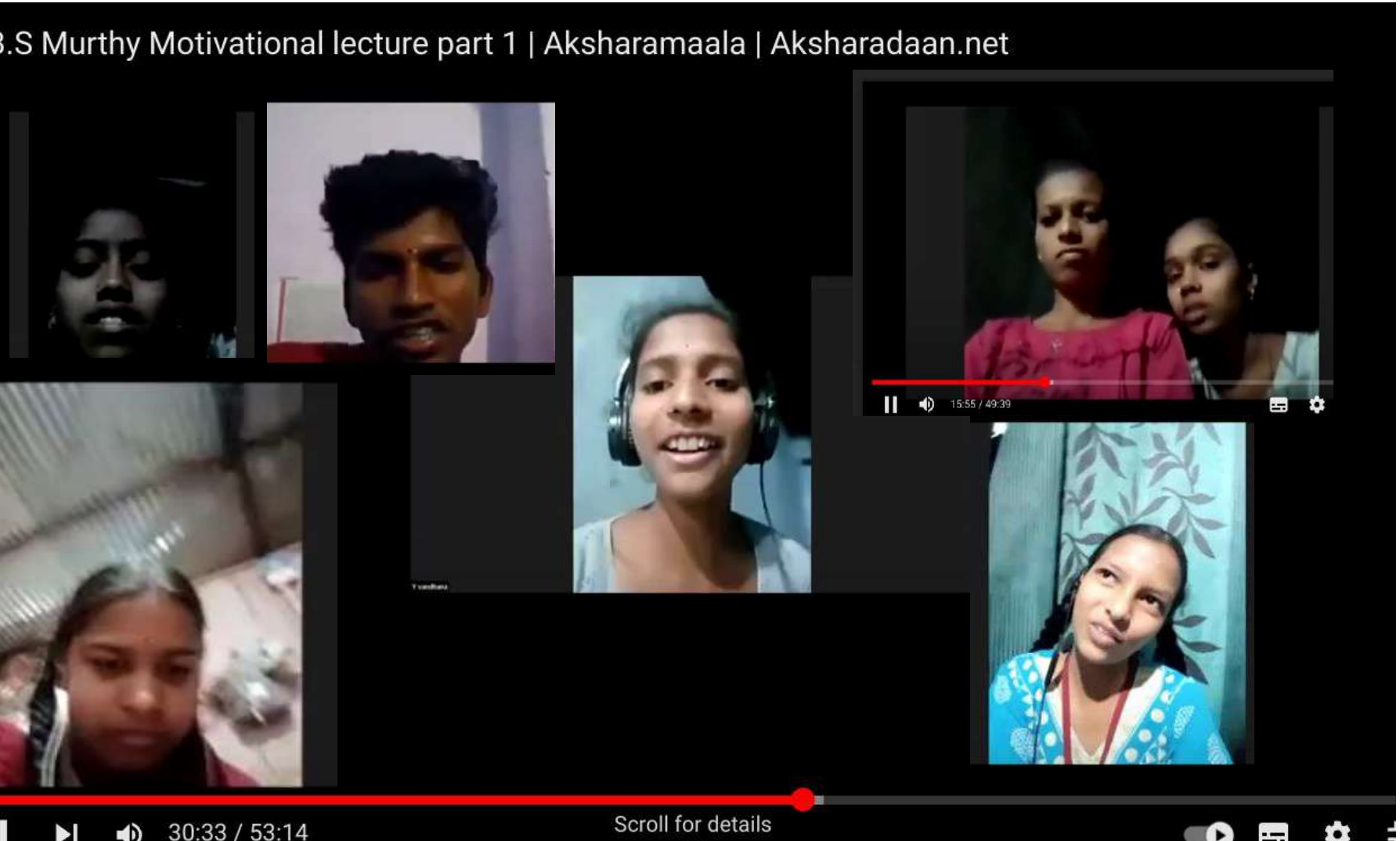
Student Participation

- Nomination of more enthusiastic and interested students and rewards
- Preparing students and parents by guide teacher about program and use value
- Making available phone by parents
- Work out means for small blended coaching to enhance connectivity
- Enhance user friendliness of platform

Way forward

- Over the last 2 years, 350 students were given coaching by 125 volunteers with total of 4000 student hours of coaching
- An integrated assessment is being made based on responses from these students and volunteers in the form of Online feed back surveys, video interactions and video based fee backs
- E-library, Motivational lecture series and Open class room facilities are being strengthened
- Based on the above, brainstorm will be made among select gathering from students, volunteers, HMs, teachers, DEO and SCERT officials for WAY FORWARD towards scaling across Telangana state

Thank you


.S Murthy Motivational lecture part 1 | Aksharamaala | Aksharadaan.net
15:55 / 49:39
30:33 / 53:14
Scroll for details

SYMBIOSIS
INTERNATIONAL UNIVERSITY

Dr. Sandipan Das <sandipan@sig.ac.in>

Aksharamaala - Voluntary Online Coaching Report-Regd

15 messages

msr.murthy@aksharadaan.net <msr.murthy@aksharadaan.net> Thu, Jul 14, 2022 at 10:16 AM
To: Director <director@sig.ac.in>
Cc: "Dr. Sandipan Das" <sandipan@sig.ac.in>

Dear Sir

We are happy to mention that students from your esteemed institution have successfully contributed to Aksharamaala - Volunteer based online coaching for rural government school students across Telangana (2021-22).

This Nobel program extended online coaching for 300 students by 100 volunteers from 12 prestigious academic institutions during this year. Significantly, 70% of the SSC students who had undertaken coaching secured 100/100 marks in the Mathematics 10th class board exam.

Details of the program and your esteemed institution's contributions are attached herewith. We sincerely appreciate the contributions from your esteemed institution and thank Dr.Sandipan Das for all his support.

It is proposed to give an e-Certificate of Appreciation to all the volunteers duly signed by Aksharadaan, DEO, and Principal/Director of the concerned institution. We request you to provide the exact name and logo to be reflected on the certificate (Copy of last year's certificate attached). Accordingly, we will prepare the certificates and send them to you for the insertion of your digital signature from your end

Once certificates are ready, we also request you to give a few minutes of your valuable time to have online interactions with volunteers from your college and a few students who have taught them.

With best regards

Dr. M.S.R. Murthy, Ph.D., FNIE
Chairman, Aksharadaan Charitable Trust
Fmr. Science Lead, NASA-SERVIR Himalaya, Theme Leader (GS),ICIMOD, Nepal
Fmr. Scientist SG; Head, Forestry Ecology Division, NRSC/ISRO, India
Villa 26, Aakriti CRR Ville, Tellapur
Hyderabad,502032 Sangareddy Dist., Telangana, India
Mobile: +917503405773, Landline: 08455298976

3 attachments



Summary_Symb.png
783K

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353K

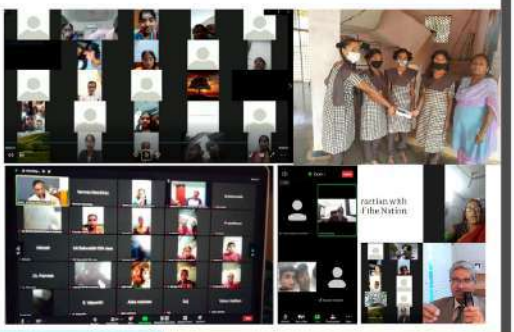
Aksharadaan

Aksharamaala: Free Online Learning Interface

Progress Report: 2021-22

Our Services:

- Connect with GEMS: Volunteer-based coaching
- Career Counselling by Thematic Experts
- Motivational Lectures by eminent people
- E-Library Resources of **1500 videos/e-books**
- Online exams & rewards



3000

Student Beneficiaries from 80 Government Schools across Mancherial, Nagarkurnool, Sangareddy, Siddipet Districts of Telangana.

100

Student Volunteers from 12 prestigious Academic Institutions coached 300 students.

850

Hours of coaching by volunteers during December 2021 - April 2022.

8 volunteers from Symbiosis Institute of Geoinformatics, Pune contributed a total of 82 class hours of coaching for 3- 5 students/volunteer of Sangareddy district. 2 volunteers contributed to motivational sessions.

CURRICULAR Impact

- Improved concepts, and learning skills.
- Increased usage of online resources **(2000 students).**
- Improved scores in **90% of students** in Board Exam, 2022.
- **> 50% credit** for high scores attributed by students to our coaching.

100/100

in Mathematics for 75 of the 105 students in the SSC Board Exam (2022).

Co/Extra-Curricular Impact:

- 8 career counseling sessions from 12 thematic experts - 150 students.
- Oriented towards focused career planning.

DREAM BIG

Make it HAPPEN

3 Motivational Lectures, 600 Students.

Our Participating Institutions:

Visit us at: aksharadaan.net

Aksharadaan

CERTIFICATE OF APPRECIATION

THIS IS AWARDED TO

Gajwani Kashish Kamal

of Symbiosis Institute of Geoinformatics (SIG), Symbiosis International (Deemed University), Pune for undertaking Voluntary Online Coaching under the "Aksharamaala - Connect with GEMs" Program from March to May 2022 for 10th class students of Government Schools in Sangareddy District, Telangana. Her contributions are highly commendable.

DR MSR MURTHY
Chairman, Aksharadaan

DR TP SINGH
Director, SIG, Pune

SRI N RAJESH
DEO, Sangareddy

Aksharadaan

CERTIFICATE OF APPRECIATION

THIS IS AWARDED TO

Kanika Mehta

of Symbiosis Institute of Geoinformatics (SIG), Symbiosis International (Deemed University), Pune for undertaking Voluntary Online Coaching under the "Aksharamaala - Connect with GEMs" Program from March to May 2022 for 10th class students of Government Schools in Sangareddy District, Telangana.
Her contributions are highly commendable.

DR MSR MURTHY
Chairman, Aksharadaan

DR TP SINGH
Director, SIG, Pune

SRI N RAJESH
DEO, Sangareddy

Aksharadaan

CERTIFICATE OF APPRECIATION

THIS IS AWARDED TO

Ravi Mohanrao Badure

of Symbiosis Institute of Geoinformatics (SIG), Symbiosis International (Deemed University), Pune for undertaking Voluntary Online Coaching under the "Aksharamaala - Connect with GEMs" Program from March to May 2022 for 10th class students of Government Schools in Sangareddy District, Telangana.
His contributions are highly commendable.

DR MSR MURTHY
Chairman, Aksharadaan

DR TP SINGH
Director, SIG, Pune

SRI N RAJESH
DEO, Sangareddy

Aksharadaan

CERTIFICATE OF APPRECIATION

THIS IS AWARDED TO

Sanchita Das

of Symbiosis Institute of Geoinformatics (SIG), Symbiosis International (Deemed University), Pune for undertaking Voluntary Online Coaching under the "Aksharamaala - Connect with GEMs" Program from March to May 2022 for 10th class students of Government Schools in Sangareddy District, Telangana. Her contributions are highly commendable.

DR MSR MURTHY
Chairman, Aksharadaan

DR TP SINGH
Director, SIG, Pune

SRI N RAJESH
DEO, Sangareddy

Aksharadaan

CERTIFICATE OF APPRECIATION

THIS IS AWARDED TO

Shanu Thakur

of Symbiosis Institute of Geoinformatics (SIG), Symbiosis International (Deemed University), Pune for undertaking Voluntary Online Coaching under the "Aksharamaala - Connect with GEMs" Program from March to May 2022 for 10th class students of Government Schools in Sangareddy District, Telangana.
His contributions are highly commendable.

DR MSR MURTHY
Chairman, Aksharadaan

DR TP SINGH
Director, SIG, Pune

SRI N RAJESH
DEO, Sangareddy

Aksharadaan

CERTIFICATE OF APPRECIATION

THIS IS AWARDED TO

Shrishti Ramnarayan Singh

of Symbiosis Institute of Geoinformatics (SIG), Symbiosis International (Deemed University), Pune for undertaking Voluntary Online Coaching under the "Aksharamaala - Connect with GEMs" Program from March to May 2022 for 10th class students of Government Schools in Sangareddy District, Telangana.
Her contributions are highly commendable.

DR MSR MURTHY
Chairman, Aksharadaan

DR TP SINGH
Director, SIG, Pune

SRI N RAJESH
DEO, Sangareddy

Aksharadaan

CERTIFICATE OF APPRECIATION

THIS IS AWARDED TO

Ivaturi Siddhardh Kasyap

of Symbiosis Institute of Geoinformatics (SIG), Symbiosis International (Deemed University), Pune for undertaking Voluntary Online Coaching under the "Aksharamaala - Connect with GEMs" Program from March to May 2022 for 10th class students of Government Schools in Sangareddy District, Telangana.
His contributions are highly commendable.

DR MSR MURTHY
Chairman, Aksharadaan

DR TP SINGH
Director, SIG, Pune

SRI N RAJESH
DEO, Sangareddy

Aksharadaan

CERTIFICATE OF APPRECIATION

THIS IS AWARDED TO

Sugam Samriti Banchti

of Symbiosis Institute of Geoinformatics (SIG), Symbiosis International (Deemed University), Pune for undertaking Voluntary Online Coaching under the "Aksharamaala - Connect with GEMs" Program from March to May 2022 for 10th class students of Government Schools in Sangareddy District, Telangana. Her contributions are highly commendable.

DR MSR MURTHY
Chairman, Aksharadaan

DR TP SINGH
Director, SIG, Pune

SRI N RAJESH
DEO, Sangareddy