



# **JSS Institute of Speech and Hearing,** **Kelageri, Dharwad**

(Recognized by Rehabilitation Council of India, Govt, of India.

Affiliated to Karnatak University, Dharwad)

## **ANNUAL REPORT**

### **2020-21**



Harnessing  
Abilities  
Rebuilding  
Lives



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# About the Institute



JSS Institute of Speech and Hearing, Dharwad was established in 2014, with the objectives of providing quality education, affordable clinical services, public education and need based research. The institute is affiliated to Karnatak University, Dharwad, and is recognized by Rehabilitation Council of India, Govt, of India. The institute is the first centre in north Karnataka offers Bachelor of Audiology and Speech Language Pathology (BASLP) course. Clients from all over north Karnataka, Goa and southern Maharashtra avail speech and hearing services from the institute.

# Director's Message

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activities such as camps, orientation programs to create awareness among the general public. Like other JSS institutions, we are committed to provide quality education and clinical services. I am sure that the institute will be a center for early identification, assessment, and rehabilitation of communication disorders in northern Karnataka.

**Prof. N.P.Nataraja, Ph.D**

**Director**

With the blessings of His Holiness Jagadguru Sri Shivarathreeshwara DeshikendraMahaswamiji, JSS Mahavidyapeetha, Mysuru has established JSS Institute of Speech and Hearing, Mysuru in the year 2001. The institute is well known for its quality of education and services. As there was a huge population having communication disorders in the northern part of Karnataka, where speech and hearing services are seldom available, we have established our second institute. JSS Institute of Speech and Hearing, Dharwad has been established in the year 2014. The center aims to generate quality human resources and also to reach out to the needy population in this region. The institute also conducts public education



# ACADEMIC ACTIVITIES



The institute offers Bachelors of Audiology and Speech Language Pathology (BASLP) course (4 years course, including 1 year internship). Admissions, curriculum, examinations and vacations are adhering to the guidelines of Karnatak University, Dharwad as well as Rehabilitation Council of India (RCI), New Delhi.

### NUMBER OF BASLP STUDENTS

Course	Intake	No. of Girls	No. of Boys	Total
I BASLP	25+1	14	12	25
II BASLP	25 +3	17	11	28
III BASLP	25 +3	21	7	28
Internship	25+3	18	10	27

### Result of BASLP Examinations, September - 2020

Semester	Distinction	1 <sup>st</sup> class	2 <sup>nd</sup> class	3 <sup>rd</sup> class	Fail
IV (repeater)	Nil	Nil	Nil	1	Nil
VI	15	12	Nil	Nil	Nil

**Note:** Because of COVID pandemic conditions, II and IV semester examinations were canceled by the university

### Online Education Details

Month	Total Hrs	Percentage of attendance	Students Satisfaction (%)
April	143	96-100%	90 %
May	104	96-100%	90 %
July	62	96-100%	90%
August	80	96-100%	90 %
September	95	96-100%	90 %
October	92	96-100%	90 %
November	86	96-100%	90 %
December	26	96-100%	90 %

**Note:** Classes for the II, IV & VI semesters completed in May 2020  
Classes for III & V semester started in July 2020

## **Visiting Faculty**

Dr. Ramesh Bettegere, Consulting Speech-Language Pathologist and Audiologist, Louisiana, USA addressed BASLP students online on 25.02.2021.

## **Library:**

- Received 9 books for core subjects and 1 book for the general section.
- Purchased Picture Identification Test in Kannada for children.

## **Equipment:**

- IHS DUET 2 channel equipment (2 no.) is received.
- Placed order for Threshold Equalizing Noise Test-test CD from UK
- Two DELL laptops were serviced which were within warranty.
- Replaced hard disk for one of the desktop computers and 14 desktops in the lab have been serviced.
- AT-235 immittance meter was repaired.
- AD2000 Pure-tone audiometer has been sent to repair
- Received 2 Otosopes (Hein mini-300) to the clinic.
- Received UPS (Luminous Cruze, 3.5 KVA 48VDC SINE WAVE UPS – 1 no.) and Batteries (Luminous make ILST 12042 100 AH tubular battery – 4 nos.) for the reading room with internet (BSNL – Akshay solutions) facility.
- Voice evaluation software (Dr. Speech, EGG, and nasal view) was troubleshot by an engineer from Tiger DRS.

## **Furniture:**

- Steel filing cabinet with 4 drawers and special lock is received.
- 1 steel almirah with a locker and 1 without locker was received.
- 2 office tables with novapan top.
- Steel glass door cabinet with 5 partitions (3 no)
- Steel book stopper shelf (20 no)
- Wooden novapan podium (3 no)
- Classroom wallboard (01 no)

- Steel office table in square pipe with 1 locker, 1 drawer, novapan top fitted in heavy gauge quality (2 no)
- Steel frame with novapan top seating and backrest (15 no)

**Internship:**

- Internship students started external postings at Dharwad institute of mental health and neurosciences (DIMHANS), KIMS (Hubbali), and Vithal clinic (Dharwad) on 01.01.2021 and the duration of the postings is 1 month at each place.



# RESEARCH

The Institute supports faculty and students to conduct research in the domains of speech, language, hearing and their disorders as well as in the areas of its application for effective communication.

## Research Projects

Faculty	Title	Status
Ms. Theaja K Ms. Sandhya	Development of a computer-based intervention program for school teachers for improving Early Reading Skills in Children with Specific Learning Disorders	Received reviewers' comments from <i>NCERT</i> . Made appropriate corrections and <i>submitted the revised draft</i> .
Dr. Jijo. P. M Mr. Arunraj. K Ms. Theaja Kuriakose	Development of a Computer-Based Screening Questionnaire for Primary School Teachers for the Early Identification of Communication Disorders	Submitted to All India Institute of Speech and Hearing, Mysuru, for research grants
Mr. Girish. K. S Ms. Theaja K	Development of a computer-based intervention program to enhance auditory and phonological working memory in children with communication disorders.	Submitted to Karnataka Science and Technology Academy, Bengaluru. <i>Under review</i>
Ms. Theaja K Mr. Girish. K. S	Impact of road traffic accidents on speech and hearing abilities- an awareness survey among youth	Submitted to Karnatak University, Dharwad, for research grants

Publications				
Sl No	Title	Author	Journal	Status
1.	Prevalence of communication disorders in school children in the urban	Jijo P M, Akshata S	<i>Journal of All India Institute of Speech and Hearing</i> , vol 39, pp 65-71,	Published

	area of Dharwad.		2020	
2.	Prevalence and causes of communication disorders- A retrospective study from northern Karnataka	Jijo P M, Sreeraj K, Sandhya K, Preethi M, Rashmi P.	<i>Clinical epidemiology and global health, 2020, 138-141</i>	Published
3.	A case report on familial origin of Auditory Neuropathy Spectrum Disorder (ANSD).	Sabarish A HarshavardhanRajeurs	<i>Journal of Pediatric Research Reviews and Reports' volume 2, issue 4.</i>	Published
4.	Pattern of Disfluencies in children of North and South Karnataka.	Theaja K	<i>IJSHR, Vol.10; Issue 4; April 2020</i>	Published
5.	Speech rhythm in young adults with congenital hearing impairment.	Theaja K	<i>The Journal of Acoustical Society of India: Vol.47, No.1, 2020(pp.23-28)</i>	Published
6.	Therapy Dropouts: A clinical survey in Hubli-Dharwad.	Akshata S	<i>Journal of Disability Management and rehabilitation</i>	Published
7.	Adductor spasmodic dysphonia – A detailed case report on assessment and management.	Sandhya	<i>Global Journal of medical and clinical case reports (2020) Vol.7(1); 051-053</i>	Published
8.	Effectiveness of Speech and Language therapy and Spontaneous recovery in Anomic Aphasia: A case report.	Sandhya K	<i>Journal of Cerebrovascular sciences, 2021, volume 8, issue 2, 101-106</i>	Published
9.	Delayed Speech and Language in Bardet – Biedl Syndrome – A Case Report. <i>Journal of Pediatrics</i>	Aravinda H R	<i>Research Reviews &amp; Reports Volume 2(2): 1-2, June 2020</i>	Published

10.	Measuring Hearing Aid Outcomes of Government Funded Hearing Aids in India.	Aravinda H R	<i>International Journal of Science and Healthcare Research, Vol.5; Issue: 2; April-June 2020</i>	Published
11.	Effect of practicing Yoga on Aerodynamic measures of voice.	Aravinda H R	<i>International Journal of current research in physiology and pharmacology. Volume 4, issue 3.</i>	Published
12.	Familial Auditory neuropathy spectrum disorder – A case report.	Aravinda H R	<i>Global journal of medical and clinical case reports. Vol.7, No.1, 2020(pp.48-50)</i>	Published
13.	Dysarthria and Dysphagia in Amyotrophic Lateral Sclerosis (ALS): A case study.	Theaja K Mr. Girish K S	<i>Research &amp; Reviews: Journal of Neuroscience, 10(3), 12-19.</i>	Published
14.	Correlation of subjective and objective assessment of hypernasality in children with repaired cleft lip and palate.	Girish K S	<i>Journal of the International Clinical Dental Research Organization, 13(1), 35-41</i>	Published
15.	Influence of native language on nasalance values among Kannada and Malayalam speakers	Girish K S	<i>Journal of Cleft lip and palate Craniofacial anomalies, 8(2), 111-118</i>	Published

### Research Articles reviewed

Sl No	Title	Journal	Reviewer
1	Effect of the learning environment and parental involvement in the study skills and academic achievement of children with hearing impairment - An investigation in the rural context	Journal of Disability, CBR and inclusive development	Aravinda H R

### Seminars/ Workshops/ Webinars

Faculties participated as Resource persons in the online workshop for internship students of Mysore and Dharwad. Details are as below.

Online workshop on 'Acoustic and Perceptual Analysis of Voice and Speech'		
Date	Topic	Faculty
13/05/20	Acoustic analysis of Suprasegmental parameters in normal speech (stress, intonation, and rhythm)	Ms. Sandhya
15/05/20	Analysis of fluency in normal speech (rate of speech in words per minute, syllables per min, syllables per sec, pauses, repetition, prolongation)	Ms. Theja
21/05/20	Analysis of fluency (rate of speech in words per minute, syllables per min, syllables per sec, pauses, repetition, prolongation) in fluency disorders (stuttering and cluttering)	Ms. Theja
22/05/20	Perceptual analysis of voice, articulation, and nasality in dysarthria	Ms. Sandhya
Online workshop on 'Audiology'		
Date	Topic	Faculty
14/05/20	Measurement of ASSR, procedure, and interpretation	Dr. Jijo P.M
15/05/20	Measurement of DPOAE, interpretation of results, and understanding of respective terminologies.	Mr. Aravinda

	Measurement of TEOAE, interpretation of results, and understanding of respective terminologies.	
20/05/20	Special tests for differential diagnosis of CP and RCP: SISI, TDT, STAT, ABLB	Mr. Sabarish
21/05/20	Demonstration of hearing aid programming	
	Real ear measurement	
	Electroacoustic measurement: ANSI and IEC standards	

Faculty	Topic of webinar	Date
Dr.Jijo P.M.	Virtual Audiology Masterclass on Innovative technology that enables smart simplicity & a positive fitting experience	28.8.2020
Dr.Jijo P.M. & Mr. Aravinda H.R.	Innovations in patient-centered CI technology	14.8.2020
Ms Sabarish A	Signia virtual forum	26.8.2020, 27.8.2020 and 28.8.2020
Ms Sandhya	Webinar on voice	13.8.2020 and 14.8.2020
Mr. Aravinda H.R.	Virtual Audiology Masterclass on Innovative technology that enables smart simplicity & a positive fitting experience	21.8.2020

- Dr. Jijo P.M. delivered a talk on a thesis titled ‘The effect of intensity and temporal enhancement of speech perception in individuals with auditory neuropathy spectrum disorder’ to MASLP students of JSSISH Mysuru on 18.08.2020.
- Dr. Jijo. P. M gave a talk to the UG Students of Shravana Institute of Speech and Hearing, Bellary on a webinar Topic: Assessment and Management of Auditory Neuropathy Spectrum Disorder (ANSO) conducted on 26.02.2021.

# Clinical activities

## CASE STATISTICS APRIL 2020-March 2021

### Speech-Language Pathology

#### Therapy cases

Speech and Language Diagnostics							
Period	Voice	Fluency	Articulation	CLD	ALD	MSD	Total
April, 2020 – September, 2020	3	2	2	57	1	2	<b>71</b>
October, 2020 – March, 2021	5	26	31	181	4	7	<b>254</b>
<b>Total</b>	<b>8</b>	<b>30</b>	<b>35</b>	<b>238</b>	<b>5</b>	<b>9</b>	<b>325</b>

Month	Number of Cases	Number of Sessions
April 2020	-	-
May 2020	16	151
June 2020	15	175
July 2020	20	365
August 2020	21	352
September 2020	22	409
October 2020	22	229
November 2020	29	252
December 2020	32	365
January 2021	30	347
February 2021	38	324
March 2021	48	453
<b>Total</b>	<b>293</b>	<b>3422</b>



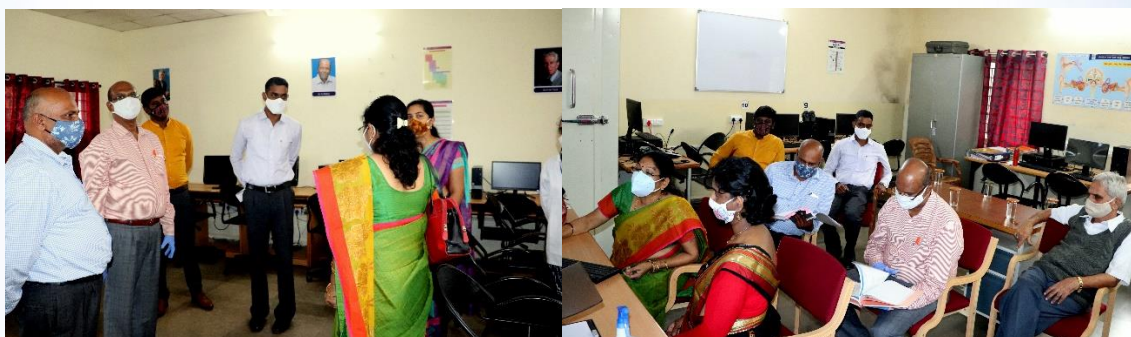
### **Audiology**

<b>Period</b>	<b>Normal</b>	<b>SNHL</b>	<b>COHL</b>	<b>MHL</b>	<b>ANSD</b>	<b>Total</b>
April, 2020 – September, 2020	15	71	12	27	2	<b>127</b>
October, 2020 – March, 2021	57	388	35	119	4	<b>603</b>
<b>Total</b>	<b>72</b>	<b>459</b>	<b>47</b>	<b>146</b>	<b>6</b>	<b>730</b>

# ADMINISTRATION ACTIVITIES

## Affiliation and University Inspection

- Online affiliation is completed on the Karnataka Government College Registration website.
- University LIC inspection was conducted on 17.10.2020. The committee has extended affiliation for the academic year 2020-21.



- RCI application was sent for the continuation of recognition for the academic year 2021-22 and the RCI approval fee of Rs.36,000 was paid.

## Important administration activities

- A detailed report was sent to KUD regarding online classes taken during the lockdown period.
- Stock verification is completed for the year 2019-20.
- Date-wise classification and arrangement of all the office files have been completed
- Prepared CBCS- syllabus for BASLP as per the guidelines of KUD by considering the suggestions of CBCS coordinator, KUD.
- Dr. Jijo P.M. attended the BOS meeting on 13<sup>th</sup> July. Dr. N.P.Nataraja and Prof. Manjula P attended the meeting online.
- The external audit is completed for the financial year 2019-20. The report has been sent to MVP.

- Registrar, KUD has accepted our request letter and has agreed to send a letter to the Government of Karnataka regarding shifting of BASLP course to Rajiv Gandhi University.
- Dr. Jijo.P.M presented the progress report of the institute from March 2020 to September 2020 in the online meeting presided by H.H Swamiji.
- 2021-22 budget has been sent to the Director and DME.
- The 4<sup>th</sup> GC meeting of the institute was conducted on 08.12.2020, and the proceedings of the meeting has been circulated among the members.
- As suggested by DHO, the testing charges for various services have been displayed on our website and within the institute.
- 108 students and 14 staffs received the first dose of the Covishield vaccine on 21.03.2021, 22.03.2021, and 23.03.2021 from Primary Health Centre, Kelageri, Dharwad.
- A half-year report (from September 2020 to February 2021) was prepared and sent to MVP on 02.03.2021
- A report was prepared on the usefulness of online classes during the pandemic condition and sent to MVP on 22.03.2021

#### **Visits:**

- A team from SDM Medical College visited our institute on 1.09.2020 to see the infrastructure.

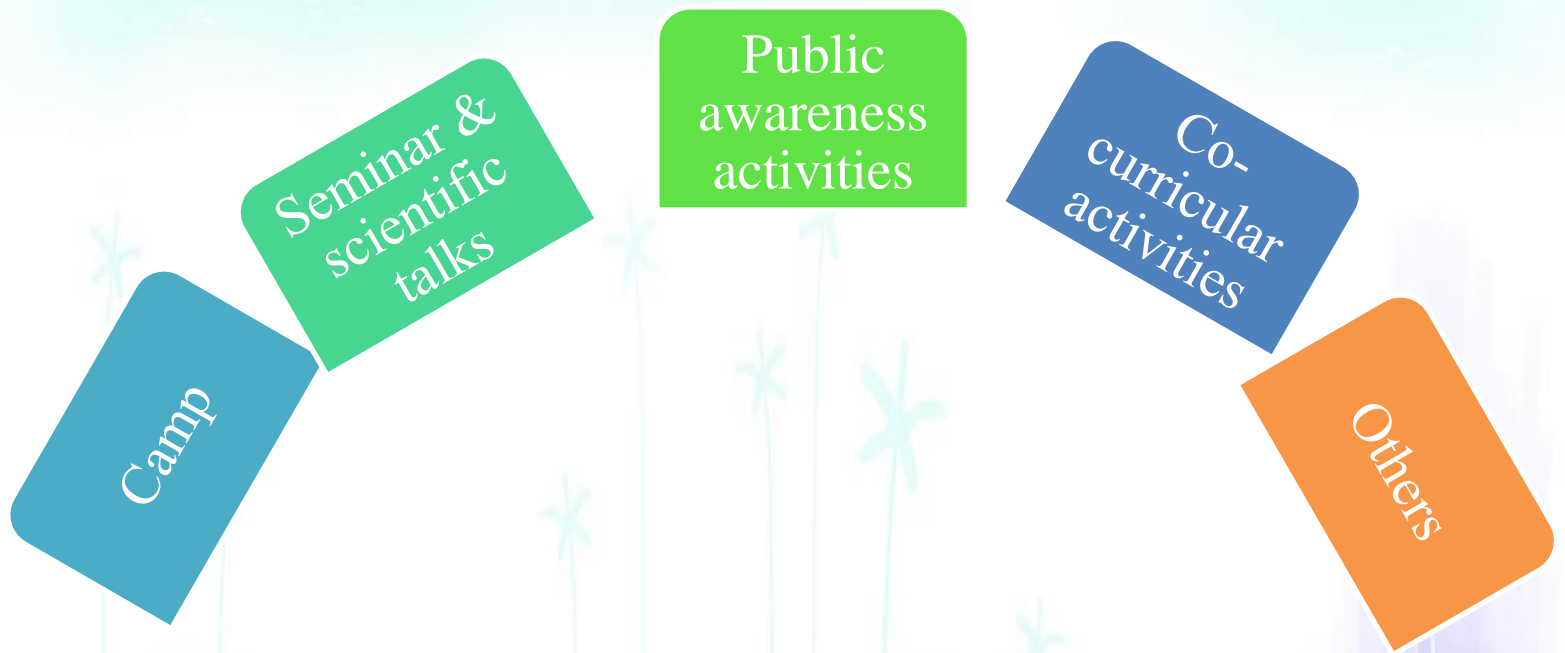
#### **Website**

- Information is updated regularly on the institute website [www.jssishdharwad.org](http://www.jssishdharwad.org)

#### **Promotion/ Appointment and Resignation**

Sl No	Staff	Designation	Appointment/Resignation date
1.	Ms. Akshatha S	Clinical Supervisor - Gr I	Relieved on 02/06/2020
2.	Mr. Girish K.S.	Assistant Professor in Speech-Language Pathology	Appointed on 22/06/2020

## ACTIVITIES AT THE INSTITUTE



### Camps:

- JSS Institute of Speech and Hearing, Dharwad in association with Rotary Mid-town, Dharwad organized a hearing aid distribution program on 26<sup>th</sup> June 2020 at JSS Institute of Speech and Hearing, Kelageri, Dharwad. The program was financially supported by the Rotary Club of Kings Hill Kent, UK; Rotary District 1120 District grant, and International Fellowship of Rotarian Doctors, UK.





- 8 internship students along with 3 staffs (staffs alternatively participated) completed industrial screening camps at Hindustan Petroleum, Dharwad on 5<sup>th</sup>, 6<sup>th</sup>, and 7<sup>th</sup> October 2020 and screened 187 workers.



- Conducted Cerebral Palsy camp at Vittal Clinic, Jubili circle, Dharwad on 4.10.2020, 8.11.2020, 6.12.2020, 3.01.2021, 7.02.2021, 7.03.2021 and evaluated 42 cases.

### Seminars, Webinars, talks attended

- All the staff attended a webinar on 7<sup>th</sup> organized by MVP on precautionary measures during COVID -19
- Faculties and nonteaching staff attended the online Jayanthi program on 29.08.2020.



- Mr. Sabarish A attended a meeting on COVID-19 in the DC office, Dharwad on 19<sup>th</sup> June 2020.
- Mr. Girish. K. Shas has been nominated as ISHA link officer.
- **Clinical conferences**

Date	Topic	Presenters	Guide
18.12.2020	Spasmodic Dysphonia: A case study	Spoorthi S, Divya K	Ms. Theaja Kuriakose
01.01.2021	Dysarthria secondary to Amyotrophic Lateral Sclerosis	Hemalatha L and Md. Hashil	Mr. Girish. K. S

08.01.2021	Aural Atresia and its management options	Chidan M and SushmithaHalluri	Dr. Jijo. P. M
15.01.2021	Importance of Real Ear Measurement (REM) in hearing aid verification process in children	Gayathri and Sampritha	Mr. Sabarish A
29.01.2021	Importance of Test Battery Approach in Detecting Functional Hearing Loss	Sakshi Shah and Harsha S M	Mr. Aravinda. H. R

### Public education

- A new paper article written by Ms. Akshata, Clinical Supervisor, was published in a Kannada newspaper 'Sanje Mugilu'.
- Ten display materials and PEPs regarding communication disorders were prepared by faculty.
- On the occasion of Dysphagia awareness month, a newspaper article on 'Dysphagia' written by Ms. Sandhya, Lecturer in Speech-Language Pathology was published in a Kannada newspaper 'Sanje Darpana' on 30/06/2020.
- An article on Cochlear implant written by Mr. Aravinda H.R. was published in a Kannada newspaper 'Sanje Darpana' on 10/07/2020.
- On the occasion of Craniofacial awareness and prevention month, a newspaper article on 'Cleft lip and palate' written by Mr. Girish, Lecturer in Speech-Language Pathology was published in a Kannada newspaper 'Sanje Darpana' on 29/07/2020.
- NSS volunteers have distributed pamphlets on 'how to care for your hearing' to the general public.
- Sandhya. K delivered a radio talk on the activities, services, and facilities available in the institute on a local radio channel, Dharwad and it was broadcasted on 11.10.2020.
- Ms. Theaja Kuriakose has given an orientation about the services available at the institute and BASLP course to 50 teachers in JSS Public School, Dharwad.
- Ms. Theaja Kuriakose has given an orientation about the services available at the institute and BASLP course to 56 teachers in Classic International Public School, Dharwad.



### Other activities conducted at the institute

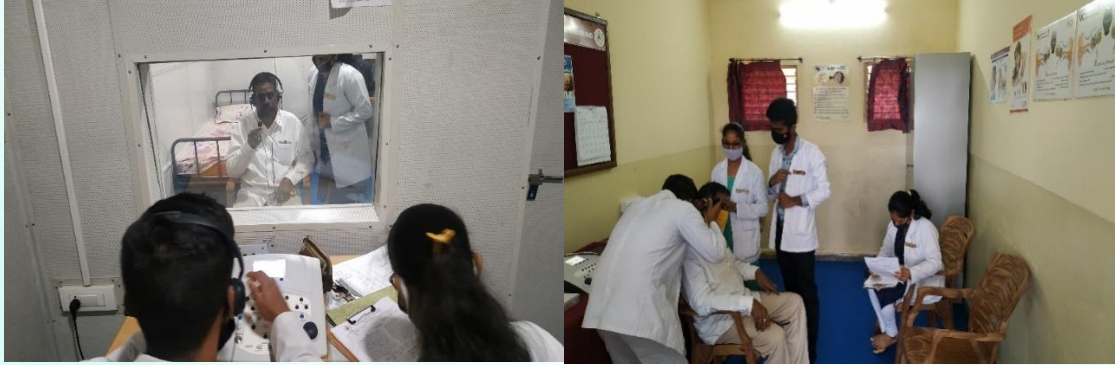
- Independence Day was celebrated on 15<sup>th</sup> August in association with JSS Public school and JSS Halbhavi Art School, Dharwad.



- With the blessings of His Holiness Sri Shivarathri Deshikendra Mahaswamiji, JSS Institute of Speech and Hearing, Dharwad in association with JSS Public school, Dharwad and JSS Halbhavi Art School, Dharwad celebrated Jayanti of Dr. Sri Shivaratri Rajendra Mahaswamiji on 21.09.2020.



- On the occasion of the International Day of Persons with Disability (PWD), Speech and Hearing Fortnight was celebrated from 03.12.2020 to 12.12.2020. 1) Free consultation for Speech and Hearing disorders



## 2) Quiz Competition:



## 3) Poster Making:





#### 4) Dumb Charades, Whispering challenge, and Gibberish Challenge:



#### 5) Drawing Competition:



- JSS Institute of Speech and Hearing, Dharwad celebrated Christmas on 29.12.2020, by organizing activities like carol singing, dance, and fun activities for students and staffs.



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- Republic Day was celebrated on 26.01.2021.



- Freshers Day was conducted on 30.01.2021. The newly elected student association members were welcomed in the presence of the chief guest, Dr. (Smt.) Vijayalaxmi A. Aminabhavi, Karnatak University, Dharwad.



- Talents day for 1<sup>st</sup> BASLP students was celebrated on 27.02.2021.



- In connection to World Hearing Day on 03.03.2021, below listed activities were carried out:



- Radio talk on 'Hearing Disorders and Services available in the Institute' by Mr. Aravinda. H. R
- Staffs and students participated in the rally from the Srinagar circle to KSCD in Dharwad.



- NSS volunteers have distributed pamphlets on 'how to care for your hearing' to the general public.
- Women's day was celebrated on 08.03.2021 by staffs and students of the institute; various activities like solo dance, group dance, solo song, mime, and games, etc, were organized.





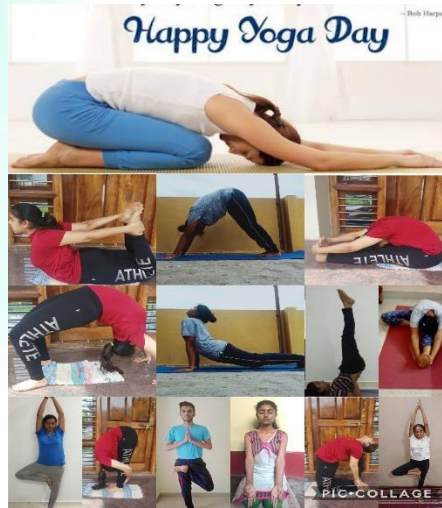
## NSS Unit:

- In association with the institute, the NSS unit celebrated World Environmental Day on 5<sup>th</sup> June 2020.





- International yoga day was celebrated by staff and students.



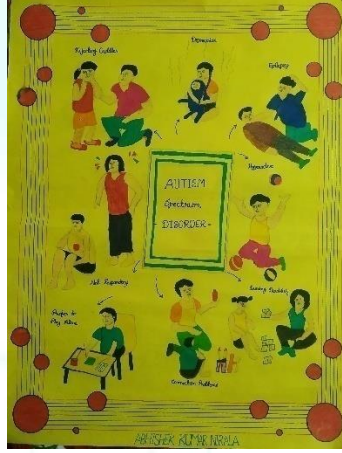
- NSS volunteers paid a tribute to the Indian soldiers who lost their lives in the Galwan Valley clash.



- NSS volunteers participated in a poetry competition for Guruvandana, 2020 organized by ASLPquest, a group of Speech and hearing professionals.
- NSS volunteers participated in online quiz competitions on COVID-19 organized by PC Jabin College, Hubli.

## Awards:

- BASLP students participated in national level Poster making competitions organized by ISHA (in connection to the international day of PWD) and Mr, Abhishek Kumar Nirala from 1<sup>st</sup>BASLP won second prize.



- In connection to World Hearing Day on 03.03.2021, Ms. Deepika Bhat (Internship student) won first prize in the slogan writing competition conducted by AIISH, Mysuru.

ಘೋಷಣಾ ವಾಕ್ಯ ಸ್ಪರ್ಧೆ

- 1."ಪಟಾಕಿಗೆ ಹಾಡೋಣ ನಾಂದಿ , ಸದೃಢ ಜೀವನಕ್ಕೆ ಅದುವೇ ಬುನಾದಿ"
- 2."ಕರ್ಕಶ ಶಬ್ದ ಜಾಸ್ತಿ ಹೊತ್ತು ಶ್ರವಣೇಂದ್ರಿಯ ದ ಆರೋಗ್ಯಕ್ಕೆ ಕುತ್ತು"
- 3."ಶ್ರವಣ ಸಾಧನ ಧರಿಸಿ, ಮೌಲ್ಮಯುತ ಜೀವನ ನಡೆಸಿ"
- 4."ಪಟಾಕಿ ಬಿಟ್ಟಾಕಿ,ಉತ್ತಮ ಜೀವನ ಹುಟ್ಟುಹಾಕಿ"
- 5."ನಿರ್ಲಕ್ಷಿಸದಿರಿ ಕಿವಿ ತೊಂದರೆಗಳನ್ನು,ಸಂಪರ್ಕಿಸಿರಿ ಶ್ರವಣ ತಜ್ಞರನ್ನು"

ದೀಪಿಕಾ ಕೆ

ಇಂಟರ್ನ್, ಜಿಎಸ್‌ಎಸ್ ವಾಕ್ ಶ್ರವಣ ಸಂಸ್ಥೆ ಧಾರವಾಡ



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