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| Information Management |
| Unit-1: Assignment |
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| **Submitted by,** |
| **Revathi R**  **16slp022** |

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1.Summary of my Research Interest

“*The human voice is the most beautiful instrument of all, but it is the most difficult to play ”*

*-Richard Strauss*

The spark of my fascination about human voice initiated when I observed a voice disordered individual in the Speech OPD. I had wondered and pondered about the uniqueness of the human voice. Being a singer myself, I had been amazed about the control I had on my laryngeal system and how it differs across individual.

My research interest includes Human phonatory system, its mechanism and physiology. Laryngeal dynamics that varies among individuals can be studied and assessed on various parameters. Singer’s voice, with respect to the difference in vocal fold movement physiology and the way they are able to reciprocate the pitches, and matching them with the scales C to F#of octaves1-5 is one of my research interests. Also the registers which includes- fry, modal, falsetto- and the physiology behind the ease with which the singers are able to switch between registers can be topics of research.

1. The major 5 Scientific journals of my research interest voice includes:-

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| **Sl No.** | **Name of the Journal** | **Publisher** | **Volumes available** |
| 1. | Journal of laryngology and voice | Wolters Kluwer Publishers | Aug 2010 volume-1 to Mar 2017 volume- 5 |
| 2. | Journal of voice | Elsevier Publishers | 1987; Volume-1 to Mar 2017 Volume- 31 |
| 3. | Perspectives on voice and voice disorders | American Speech-Language-Hearing Association | 1997; volume-7 to 2015; volume- 25 |
| 4. | Otolaryngology | OMICS International Publishers | Aug 2011;volume-1 to Feb 2017 volume-7 |
| 5. | International Journal of Speech and Language Pathology | Synergy Publishers | Nov 2013 Volume -1 to Sept 2016 volume-4 |

1. Books Available

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| **Title** | **Author** | **Publisher** | **Year** |
| Tests of voice, speech and Language | Myra Kersner | Whur Publishers Ltd | 1985 |
| Voice Speech\_ Language | Godfrey E. Arnold, Evelyn Robe | Wadsworth | 1965 |
| Voice and voice therapy | Daniel R. Boone | Allyn and Bacon | 2010 |
| Voice and articulation | Charles Van Riper, John V. Irwin | Prentice- Hail Inc. | 1958 |
| Voice Disorders Workbook | Sapienza, Hoffmanruddy | Plural publishing | 2010 |
| Clinical Voice disorders: an interdisciplinary Approach | Arnold E. Aronson | Thieme Medical publishers | 1990 |
| Manual of voice therapy | Prater , Swift | Proed | 1984 |
| Voice and its disorders | Margaret C.L. Greene | Pitman Medical | 1972 |
| Developing your speaking voice | Harrison M. Karr | Harper and Row publishers | 1953 |

c) PG Dissertations –

1. Effect of training on Carnatic Classical Singers:
   1. Author : Ranjni
   2. Guide: Dr. Savithri. S. R
   3. Year: 2010
   4. Dissertation no. : 770
2. Comparison of acoustic characteristics in female trained (Carnatic-style) singers, untrained singers and non-singers.
   1. Author : Kunal Ghosh
   2. Guide : Dr. K. Yeshoda
   3. Year : 2007
   4. Dissertation no. : 598
3. Comparison of dysphania severity index (DSI) in trained Carnatic Classical Singers and non singers.
   1. Author: Preethi R
   2. Guide : Santhosh M
   3. Year : 2013
   4. Dissertation no. : 1098
4. Effect of cognitive load on voice characters in young adults.
   1. Author: Suvetha. N
   2. Guide: Dr. K. Yeshoda
   3. Year: 2016
   4. Dissertation no.: 1179
5. Effect of vocal training on nasal air flow with varying fundamentals frequency and intensity.
   1. Author: Vijitha Raj. T
   2. Guide : Jayakumar T
   3. Year: 2013
   4. Dissertation no. : 989

d) ARF Projects :-

1. Development of audio-video database for communication disorders: Assessment of voice disorders.

Investigators: Gopi Shankar

Year: 2010-2011

Accession no. : DP no. 41

1. Effect of training on voice projection: Effect of training on voice projection.

Investigators: Savithri, SR;Ram Mohan, G

Year : 2006-07

Accession No. : DP no. 12

2. Critical Evaluation of Information Resources

1. **Status of Disability in India -2012**

Status of Disability in India is a publication by Rehabilitation Council of India (RCI) which attempts to collate information on Disability and put it in public domain so that persons with Disability and their stakeholders are able to ascertain the current situation on Disability in India.This is published in every 5 years. This 2012 edition 3 introductory chapters(covering the historical,philosophical and sociological perspective,introduction to various disabilities, policies and legislation,the magnitude of disability in india,agencies and institution and issues that concern person with disability,current trends and development including research in the area of disabilities,how technology impacts person with disabilities and how we need to take advantage of technology to make life better foer person with disability in the country) and a concluding chapter(summarises as to what the governmental and non governmental agencies , persons with disabilitiesand their stakeholders need to do to take disability issues forward and to facilitate the implementation of Government schemes and policies).

1. **The MIT Encyclopedia of Communication Disorders**

Edited by [Raymond D. Kent](https://mitpress.mit.edu/authors/raymond-d-kent)

The MIT Encyclopedia of Communication Disorders is the standard reference in this field for both research and clinical use. It offers almost 200 detailed entries, covering the entire range of communication and speech disorders in children and adults, from basic science to clinical diagnosis.MITECD is divided into four sections that reflect the standard categories within the field (also known as speech-language pathology and audiology): Voice, Speech, Language, and Hearing. Within each category, entries are organized into three subsections: Basic Science, Disorders, and Clinical Management. Basic Science includes relevant information on normal anatomy and physiology, physics, psychology and psychophysics, and linguistics; this provides a scientific foundation for entries in the other subsections. The entries that appear under Disorders offer information on the definition and characterization of specific disorders, and tools for their identification and assessment. The Clinical Management subsection describes appropriate interventions, including behavioral, pharmacological, surgical, and prosthetic.Because the approach to communication disorders can be quite different for children and adults, many topics include separate entries reflecting this. Although some disorders that are first diagnosed in childhood may persist in some form throughout adulthood, many disorders can have an onset in either childhood or adulthood, and the timing of onset can have many implications for both assessment and intervention.Topics covered in MITECD include cochlear implants for children and adults, pitch perception, tinnitus, alaryngeal voice and speech rehabilitation, neural mechanisms of vocalization, holistic voice therapy techniques, computer-based approaches to childrens speech and language disorders, neurogenic mutism, regional dialect, agrammatism, global aphasia, and psychosocial problems associated with communicative disorders.

3. AIISH subscribed E-journals :-

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| **S. No.** | **Title of the Journal** | **Name of the publisher** | **Year** |
| 1. | Acta Oto-laryngologica | Taylor & Francis Online | 1918 |
| 2. | Advances in Autism | Emerald Publishing | 2016 |
| 3. | Aging, Neuropsychology and Cognition | Taylor & Francis Online | 1997 |
| 4. | American Annals of Deaf | Gallaudet University Press | 1980 |
| 5. | American Journal of Audiology | ASHA wire | 1991 |
| 6. | America Journal of Speech Language Pathology | ASHA wire | 1991 |
| 7. | Annals of Dyslexia | Springer Link | 1997 |
| 8. | Aphasiology | Taylor & Francis Online | 1997 |
| 9. | Applied Acoustics | Elsevier - Science Direct | 2017 |
| 10. | Applied Psycholinguistics | Cambridge Core University Press | 1999 |
| 11. | Archives of Otolaryngology Head and Neck Surgery | AMA Publications | 1998 |
| 12. | Audiology and Neuro-Otology | Karger AG Publishers | 1996 |
| 13. | Augmentative and Alternative Communication | Taylor & Francis Online | 1985 |
| 14. | Autism: The International Journal of Research and Practice | SAGE Publications | 1999 |
| 15. | Autism Research | John Wiley & Sons | 2010 |
| 16. | Bilingualism: Language and Cognition | Cambridge Core University Press | 1998 |
| 17. | Brain and Language | Elsevier - Science Direct | 1974 |
| 18. | Canadian Journal of Linguistics | Cambridge Core University Press | 2017 |
| 19. | Child Language Teaching and Therapy | SAGE Publications | 1997 |
| 20. | Cleft and Craniofacial Journal | American Cleft Palate – Craniofacial Association | 1990 |
| 21. | Clinical Linguistics and Phonetics | Taylor & Francis Online | 1987 |
| 22. | Cochlear Implants International | Taylor & Francis Online | 2000 |
| 23. | Communication Disorders Quarterly | SAGE Publications | 1998 |
| 24. | Cortex | Elsevier - Science Direct | 2007 |
| 25. | Deafness and Education | Taylor & Francis Online | 1999 |
| 26. | Dementia | SAGE Publications | 2002 |
| 27. | Dyslexia | John Wiley & Sons | 2010 |
| 28. | Dysphagia | Springer Link | 1997 |
| 29. | Ear and Hearing | Lippincott Williams & Wilkins, Ovid – Wolters Kluwer | 1980 |
| 30. | Evidence Based Communication Assessment and Intervention | Taylor & Francis Online | 2007 |
| 31. | Exceptional Children | SAGE Publications | 2001 |
| 32. | Focus on Autism and Other Developmental Disabilities | SAGE Publications | 1999 |
| 33. | Folia Phoniatrica | Karger AG Publishers | 1949 |
| 34. | Gesture | Ingenta Connect | 2011 |
| 35. | Hearing Balance and Communication (Audiological Medicine) | Taylor & Francis Online | 1997 |
| 36. | Hearing Journal | Lippincott Williams & Wilkins, Ovid – Wolters Kluwer | 1994 |
| 37. | Hearing Research | Elsevier - Science Direct | 2010 |
| 38. | International Journal of Applied Linguistics | John Wiley & Sons | 2016 |
| 39. | International Journal of Audiology | Taylor & Francis Online | 1962 |
| 40. | International Journal of Bilingual Education and Bilingualism | Taylor & Francis Online | 1998 |
| 41. | International Journal of Bilingualism | SAGE Publications | 1997 |
| 42. | International Journal of Language and Communication Disorders | John Wiley & Sons | 1997 |
| 43. | International Journal of Pediatric Otorhinolaryngology | Elsevier - Science Direct | 2007 |
| 44. | International Journal of Speech Language and the Law (formerly Forensic Linguistics) | Equinox Publishing Limited | 1998 |
| 45. | International Journal of Speech Language Pathology | Taylor & Francis Online | 1997 |
| 46. | International Journal of Speech Technology | Springer Link | 1989 |
| 47. | Journal of Applied Research in Intellectual Disabilities | John Wiley & Sons | 2010 |
| 48. | Journal of Autism and Developmental Disorders | Springer Link | 1997 |
| 49. | Journal of Child Language | Cambridge Core University Press | 1997 |
| 50. | Journal of Child Psychology and Psychiatry | John Wiley & Sons | 2010 |
| 51. | Journal of Cleft Lip Palate and Craniofacial Anomalies | Wolters Kluwer - Medknow | 2016 |
| 52. | Journal of Cognition and Development | Taylor & Francis Online | 2000 |
| 53. | Journal of Cognitive Neuroscience | Massachusetts Institute of Technology Press | 1989 |
| 54. | Journal of Communication Disorders | Elsevier - Science Direct | 1967 |
| 55. | Journal of Early Intervention | SAGE Publications | 1999 |
| 56. | Journal of Fluency Disorders | Elsevier - Science Direct | 1974 |
| 57. | Journal of Indian Academy of Applied Psychology | Indian Academy of Applied Psychology | 2015 |
| 58. | Journal of Indian Speech and Hearing Association | Wolters Kluwer - Medknow | 2016 |
| 59. | Journal of Intellectual and Developmental Disability | Taylor & Francis Online | 1976 |
| 60. | Journal of Interactional Research in Communication Disorders | Equinox Publishing Limited | 2010 |
| 61. | Journal of Laryngology and Otology | Cambridge Core University Press | 1887 |
| 62. | Journal of Laryngology and Voice | Wolters Kluwer - Medknow | 2017 |
| 63. | Journal of Learning Disabilities | SAGE Publications | 1999 |
| 64. | Journal of Memory and Language | Elsevier - Science Direct | 2007 |
| 65. | Journal of Neurolinguistics | Elsevier - Science Direct | 1985 |
| 66. | Journal of Phonetics | Elsevier - Science Direct | 1995 |
| 67. | Journal of Pragmatics | Elsevier - Science Direct | 2007 |
| 68. | Journal of Psycholinguistic Research | Springer Link | 1997 |
| 69. | Journal of Special Education | SAGE Publications | 1999 |
| 70. | Journal of Speech Language and Hearing | ASHA wire | 1958 |
| 71. | Journal of the Acoustical Society of America | AIP Publishing LLC | 1930 |
| 72. | Journal of the American Academy of Audiology | Ingenta Connect | 2002 |
| 73. | Journal of the International Phonetic Association | Cambridge Core University Press | 2001 |
| 74. | Journal of Vestibular Research | Meta Press | 2000 |
| 75. | Journal of Voice | Elsevier - Science Direct | 1987 |
| 76. | Laboratory Phonology | De Gruyter Mouton | 2010 |
| 77. | Language Acquisition | Taylor & Francis Online | 2014 |
| 78. | Language and Cognition and Neuroscience (formerly Language and Cognitive Processes) | Taylor & Francis Online | 1997 |
| 79. | Language and Communication | Elsevier - Science Direct | 2007 |
| 80. | Language and Speech | SAGE Publications | 1999 |
| 81. | Language Learning | John Wiley & Sons | 2006 |
| 82. | Language Sciences | Elsevier - Science Direct | 2007 |
| 83. | Language Speech and Hearing Services in Schools | ASHA wire | 1970 |
| 84. | Laryngoscope | ASHA wire | 1997 |
| 85. | Learning Disability in Quarterly | SAGE Publications | 2010 |
| 86. | Learning Disabilities Research & Practice | John Wiley & Sons | 2000 |
| 87. | Logopedics Phoniatrics Vocology | Taylor & Francis Online | 1991 |
| 88. | Noise & Health | Wolters Kluwer - Medknow | 2015 |
| 89. | Otolaryngologic Clinics of North America | Elsevier - Science Direct | 1998 |
| 90. | Otology and Neurotology | Lippincott Williams & Wilkins, Ovid – Wolters Kluwer | 2001 |
| 91. | Perspectives of the ASHA Special Interest Groups | ASHA wire | 2016 |
| 92. | Phonology | Cambridge Core University Press | 1997 |
| 93. | Reading and Writing | Springer Link | 1997 |
| 94. | Research in Autism Spectrum Disorders | Elsevier - Science Direct | 2007 |
| 95. | Seminars in Hearing | Georg Thieme Verlag KG | 1980 |
| 96. | Seminars in Speech and Language | Georg Thieme Verlag KG | 1984 |
| 97. | Sign Language and Linguistics | Ingenta Connect | 2016 |
| 98. | Speech Communication | Elsevier - Science Direct | 1982 |
| 99. | Speech, Language and Hearing | Taylor & Francis Online | 1996 |
| 100. | The Analysis of Verbal Behavior | Springer Link | 2014 |
| 101. | Topics in Language Disorders | Lippincott Williams & Wilkins, Ovid – Wolters Kluwer | 2001 |
| 102. | Trends in Cognitive Sciences | Elsevier - Science Direct | 2016 |