**Assignment – UNIT 1**

**Subject: INFORMATION MANAGEMENT**

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1

2017

1. **Summary of research interest**

**My area of interest**:

***Voice***

Voice can refer to any of the supra segmental properties of speech that result from how your vocal apparatus is configured. In modal or normal voice quality, the vocal folds are approximated so that they completely cover the airway. Air from the lungs forces the folds apart by the Sub-glottal pressure, it rises below the adducted vocal folds to overcome the resistance and air flow builds up between them (trans-glottal flow). Also these two forces which pull the folds back to their central position by the natural elastic qualities of the folds. Once closed, the cycle repeats; in modal voice the cycles are regular and the closure are complete.

A voice disorder occurs when voice quality, pitch, and loudness differ or are inappropriate for an individual's age, gender, cultural background, or geographic location.

In disordered or breathy voice, the folds are not fully approximated so that complete closures do not occur. The of consequences are firstly that air flow continues throughout the cycle which can lead to turbulence at the glottis, secondly that the closures are less sharp, and thirdly that the vocal folds remain open for a longer portion of the cycle.

If the acoustic and aerodynamic properties of voice are so deviant represents the presence of a voice disorder. Also the perceptual evaluation also plays a major role in distinguish the characteristics of voice, it can be done by the SLPs. The Individuals with voice disorder can also undergo the self-perceptual evaluation to provide a better description of their voice problem.

Voice therapy a major treatment which has been demonstrated to be effective for voice disorder across the lifespan from children to older adults.

***Information resources pertaining to the area of interest***

A) Scientific Journals:

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| **S. No.** | **Name of the Journal** | **Publisher** | **Volume No./**  **Issue No.** | **Year** |
| 1 | Journal of voice | Elsevier | Volume 1-31 | 1987-2017 |
| 2 | International journal of speech language pathology | Taylor and Francis | Volume 10-19 | 2008-2017 |
| 3 | Laryngoscope | John Wiley & sons | Volume 1-127 | 1896-2017 |
| 4 | The Journal of laryngology and otology | Cambridge university press | Volume 1-131 | 1987-2017 |
| 5 | Logopedics,phoniatrics,vocology | Taylor & Fransis group | Volume 16-42 | 1991-2017 |

B) Books:

1. Sataloff,R.(1997).Psychology of voice disorders. London: Singular Publishing Group. Acc no:11975.
2. Boone.R.D.,Mcfarlane.C.S.,Vonberg.L.S.,Zraick.I.R.(2010).The voice and voice therapy. Pearson publishing.Acc:16642.
3. Colton.H.R.,Casper.K.J.,Leonard.R.(2006).Understanding voice problems and physiological perspective for diagnosis and treatment .Baltimore: Lippincott Williams & Wilkins publishing. Acc:14952.
4. Branski.C.R.,Sulica.L.(2009).Classics in voice and laryngology.San diego:Plural publishing.Acc:16427.
5. Ferrand.T.C.(2012).Voice disorders: Scope of theory and practice. Pearson publishing.Acc:19026.
6. Baken.R.J.,Orlikoff.F.R(2007).Clinical measurement of speech and voice(2nd Edition). Delmar Cengage learning.Acc:17930.
7. Merati.L.A.,Beilamowicz.A.S.(2007).Textbook of voice disorders. San Diego:Plural publishing.Acc:14280.
8. Aronson.E.A.,Bless.M.D.(2008).Clinical voice disorders.Newyork: Thieme publishing.Acc:18068.
9. Sataloff.,Thayer.R.(1997).Professional voice:the science and art of clinical care.(2nd edition).London: Singular Publishing.Acc:13492.
10. Brown.J.,Vinson.P.B.,Crary.A.M.(1996).Organic voice disorders: Assessment & treatment. London: Singular Publishing group.

Acc. no:14952

C) Dissertations:

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| **S. No.** | **Title** | **Author** | **Guide** | **Year** | **Accession No.** |
| 1 | A comparison of voice characteristics in congenital visual impaired and normal sighted primary school teacher | Jagannadan prakash | Yeshoda K | 2012 | 899 |
| 2 | A pre and post surgical comparison of acoustic aerodynamic and perceptual analysis of voice in patients with vocal fold palsy | Arya | Rajasudhakar.R | 2012 | 893 |
| 3 | Acoustic analysis and synthesis of hoarse voice | Muthu krishnan | Nataraja.N.P | 1999 | 395 |
| 4 | Acoustic analysis of voice in children and adults | Tharmar | Nataraja N P | 1999 | 230 |
| 5 | Acoustic analysis of voice in Gediatric population | Suresh.T | Savithri SR | 1991 | 229 |

D) ARF projects:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S. No.** | **Title of the report** | **Investigators** | **Year** | **Accession No.** |
| 1 | Effect of training on voice projections | Savithri,SR;Ram, Mohan G | 2006-2007 | DP no.12 |
| 2 | Evolution of voice in species | Savithri S R & Jayaram | 2005-2006 | DP no.07 |

***2. Critical evaluation of information resources pertaining to communication disorders***

**The MIT Encyclopedia of Communication Disorders**

1. [Raymond D. Kent](https://mitpress.mit.edu/authors/raymond-d-kent)
2. The MIT Encyclopedia of Communication Disorders is the standard reference in communication disorders for both research and clinical use and also it offers 200 detailed entries, covering the entire range of communication and speech disorders in children and adults, from basic science to clinical diagnosis.
3. 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.*
4. Each categories are organized into three subsections: *Basic Science, Disorders, and Clinical Management.*
5. **Basic Science** includes relevant information on normal anatomy and physiology, physics, psychology and psychophysics, and linguistics and provides a scientific foundation for entries in the other subsections.
6. **Disorders** offer information on the definition and characterization of specific disorders, and tools for their identification and assessment.
7. **The Clinical Management** 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.
8. 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.
9. 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 children’s speech and language disorders, neurogenic mutism, regional dialect, agrammatism, global aphasia, and psychosocial problems associated with communicative disorders.

**Status of Disability in India -2012**

1. Status of Disability in India is a publication by Rehabilitation Council of India (RCI) that provides information on Disability and kept it as a public review so that persons with Disability and their caregivers were able to ascertain the current situation on Disability in India.
2. It will publish in every 5 years. But this 2012 edition 3 introductory chapters(covering the historical, philosophical and sociological perspective)
3. Also it provides 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 for person with disability in the country).
4. A last chapter gives information about

* Governmental and Non governmental agencies ,
* Building the confidence level of Persons with disabilities and their caregivers do to take disability issues forward and to facilitate the implementation of Government schemes and policies.

***3. Publishers of the 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 |