

Nirupam Shome

Guest Faculty
Department of Electronics & Communication
Engineering
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PROFESSIONAL QUALIFICATION

- **M.Tech** in Communication & Signal Processing Engineering, ECE Department.
Institute - National Institute of Technology, Silchar
Year of passing – 2016
- **B.E** in Electronics & Telecommunication Engineering
Institute - Assam Engineering College, Guwahati
Year of passing – 2013

TEACHING EXPERIENCE AS TEACHING ASSISTANT AT NIT SILCHAR

Subject	Level	No. of Time
Digital Signal Processor	PG	02
Advance Digital Communication	PG	02
Electronic Circuit Design	UG	02
Digital Electronics	UG	02

TEACHING EXPERIENCE AS GUEST FACULY AT ASSAM UNIVERSITY SILCHAR

Subject	Level	No. of Time
Satellite Communication	UG	01
Digital Communication	UG	01
Advance digital Circuit Design	UG	01
Electromagnetic Field theory	UG	01
Analog Communication	UG	01
Optical Fiber Communication	UG	01
Random process, probability theory & statistics	UG	01

RESEARCH EXPERIENCE

- Worked as a Project Engineer under the **DeitY** sponsored project entitled “**Development of Speech Based Multi-Level Person authentication System**” for a period of one year.
- In M.Tech, working on the same project mentions above and develop a deployable system.

B.TECH STUDENTS GUIDEDENCE

Name & Year: Bishal Singha, Arunabh Bezboroah, Jagannath Nath , 2016-17.
Thesis Title: Speaker verification system for sylheti speakers of Barak valley using MFCC- DTW techniques.

PUBLICATIONS

Conferences:

- 1) S. P. Choudhury, **N. Shome**, S. Misra, T. K. Das, and R. H. Laskar, “*Effects of fuzzy parameter on text dependent speaker verification under uncontrolled noisy environment*”, Global Conference on Communication Technologies (ICCT-2015), 978-1-4799-8553-1/15/\$31.00 © 2015 IEEE, 23rd-24th April, Tamil Nadu, India.
- 2) **N. Shome**, S.A. Barlaskar, and R.H Laskar, “*Significance of frame size and frame shift in VOP detection*” IEEE International Conference On Recent Trends In Electronics Information Communication Technology, 978-1-5090-0774-5/16/\$31.00 © 2016 IEEE, May 20-21, 2016, Bangalore, India .
- 3) S.A. Barlaskar, A.Laskar, **N. Shome** and R.H Laskar, “*Study on the Varying Degree of Speaker Identity Information Reflected Across the Different MFCCs*”— presented in ICICT-2016 (IEEE international conference), 26-27 Aug, 2016, Coimbatore, India .
- 4) **N. Shome**, and J. Nath, “Speaker verification in Sylheti using MFCC and DTW techniques” (communicated)

Journals:

- 1) **N. Shome**, and R. H. Laskar, “*Reference free speech quality measurement*” -- (to be communicated)
- 2) **N. Shome**, and R. H. Laskar, “*Significance of end point detection in text-dependent speaker verification system*”-- (to be communicated)

ACHIEVEMENTS & ACTIVITY

- Organized Six Days Invited Lecture series on “***Microwave and Its Applications***”, at Assam University, Silchar, March-2017
- Organized Three days expert lecture series on Electronics & Communication Engineering, at NIT Silchar, Feb-2016
- Organized Two weeks ISTE main workshop on Signal & System, at NIT Silchar, Jan-2014
- Received three times topper awarded in Diploma in Electronics And Telecommunication Engineering from ISTE
- Awarded for best circuit in CIRCITRIX at Royal Group of Institute, Guwahati
- Received 1st prize in Autonomous Robotics at Royal Group of Institute, Guwahati
- Received various prizes in school and college

WORKSHOP ATTENDED

- Two days workshop on “Speech processing applications on North-East Languages” at Assam University, Aug-2016
- Two days workshop on “Emerging VLSI Technologies “at Assam University, Sep-2016
- Five days training program on “Analog IC Design” using cadence tool at Assam University, sep-2016
- Two days workshop on “Intellectual property right and patent processing(IPRPP)” at Assam University, Sep-2016
- Two weeks ISTE main workshop on Signal & System under NMEICT, Jan-2014
- Recent trends in Microwave & Antenna Technology at NIT Silchar, May-2015
- DeitY workshop on Multilevel person Authentication systems, at NEHU, Shilong

- Workshop on MEMS at NIT Silchar, Feb-2015
- Attended three days workshop on mash up technology ,at AEC,Guwahati
- Attended three days workshop on VHDL design using FPGA at AEC,Guwahati
- Attended various workshop at various places and institutes

ACADEMIC PROJECTS

- 1) **M.Tech project:-** “A Study on Different Pre-Processing Techniques Applied to Text-Dependent Speaker Verification System”
- 2) **B.E. final year Project: -** “Human tracking Robot using GPS technology”.
- 3) **B.E 3rd year Project:-** “Multipurpose circuit for domestic use”
- 4) **Diploma final year Project: -** “Staircase light with auto switch off”
- 5) **Other project :-**“ SMS based college-bus tracking system using GPS technology”

TECHNICAL SKILLS

Simulation software	Xilinks , Matlab , Circuit Wizard , GNU Sim8085,CCS
Programming Language	C ,C++,PHP
Data Base	SQL

INDUSTRIAL EXPOSURE

- 1) **B.E second year summer training**
Organization: Hindustan Paper Corporation,Panchgram,Hailakandi,Assam
Duration: Three weeks(from 01/07/11 to 20/07/11)
- 2) **B.E third year summer training**
Organization: Doordarshan Kendra,Silchar,Assam
Duration: Four weeks(from 09/07/12 to 03/08/12)
- 3) **B.E fourth year Industrial visit**
Organization: Airport authority of India, Guwahati, Assam
Duration:One day (03/04/2013)

PERSONAL DETAILS

Name:	Nirupam Shome
Father's Name:	Late Nirmal Chandra Shome
Date of birth:	09-02-1988
Nationality:	Indian
Category:	General
Languages known:	English, Hindi, Bengali, Assamese
Residential Address:	Indira colony, Karimganj P.O & P.S – Karimganj, PIN- 788710 Dist- Karimganj , Assam

I hereby certify that the above written particulars are true to the best of my knowledge and belief. I shall be responsible for any discrepancy found in them.

Place: **Silchar**

(**Nirupam Shome**)