

CURRICULUM VITAE

NETHRA H S

#62,6th A cross, Venugopal Nagar, HMT layout,
Bengaluru-560073

Email: nethramohan31@gmail.com

Phone: +919743437476



Career Objective

To establish myself in the field of education, to utilise my skills and knowledge to help students to achieve high improvement in academics.

Career Summary

- Motivated professional with extensive post graduate-level education.
- Having 16+ years of work experience in education.
- Provide motivational learning environment.
- Excellent team player with proven track record.
- Growth driven, accepts responsibilities and leverage existing higher education.

Personality Traits

- Excellent communication skills.
- leadership qualities.
- Punctuality.

Academics Qualification

-Master of Science M.Sc in Electronics – University of Mysore, 2006-2008

Bachelor of Education(B.Ed)-Bengaluru University,2017-2019

-Bachelor of Science B.Sc (PME)– University of Mysore, 2003-2006

Work experience

“SEA College of Science, Commerce & Arts” – K.R.Puram, Bangalore

Head, Department of Science

September 2008 – **till date.**

Subjects Taught:

Analog and Digital Electronics, Verilog HDL, Analog and Digital Communication Systems, Instrumentations and Measurement, Computer Architecture, Computer Networks, Microprocessor-8085 and Microcontroller-8051.

Areas of Specialization:

Digital Designs, Computer Networks, Verilog HDL, Analog and Digital Communication Systems, Advanced Microprocessors.

Book Authored:

Microprocessor and Assembly Language, Skyward publisher for V B.C.A

Resource Person:

Served as Resource Person for Workshop on “Current trends in wireless Communication” at Government First Grade College R Puram, Bangalore on 25th and 26th July 2022.

Board of Studies:

Served as a Board of Studies (BoS) member in Electronic Science (UG) for Bengaluru North University from 2021-2023.

Custodian:

- 1.Served as a Custodian, CBCS (Revaluation) UG-2023-2024.
2. Served as a Deputy Custodian NEP, UG 2023-2024 odd & Even Semester.

Board of Examiner:

1. Served as a member to the Board of Examiners (BoE) in Electronic Science (UG), **Bangalore University** for the **Academic Year 2019-20**.
2. Served as a member to the Board of Examiners (BoE) in Electronics UG, **Bengaluru North University** for the **Academic Year 2018-2019,2021-2022,2023-2024,2024-2025**.

Chief Squad:

1. Served as **Chief Squad pertaining to UG** courses of **II, IV and VI Semesters**, Bangalore University, October 2020 Examinations.
2. Served as **Deputy Squad Member** pertaining to **I,III & V** Bangalore North University, June/July 2023 Examinations.

PUBLICATIONS

- 1.Mohana H K, **Nethra H S**, Devaraju J T, “*A Study on Security and Privacy Issues in Fog Computing*”, Shanlax International Journal of Arts, Science and Humanities, Volume 5, Special Issue 3, P(p)s: 29-33, April 2018, ISSN: 2321-788X.
- 2.Mohana H K, Rajashri Padaki, **Nethra H S**, “*A Study on Big Data Analytics*”, International Journal for Research in Engineering Application & Management (IJREAM), ISSN: 2454-9150 Vol-07, Issue-12, March 2022, P(p)s: 39-43.
- 3.Mohana H K, **Nethra H S**, Devaraju J T, “*HARQ Scheme for different MCS users over LTE and LTE-Advanced Networks*”, International Journal of Scientific Research in Network Security and Communication (IJSRNSC), ISSN: 2321-3256, Volume 10, Issue 2 P(p)s:1-5
- 4.Devaraju J T, Mohana H K, **Nethra H S**, “*Load Based Carrier Aggregation Algorithm for LTE-Advanced*”, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075 (Online), Volume-11 Issue-6, May 2022.
- 5.Dr.Mohana H K,**Nethra H S**, “The Benefits and Promises of Nanotechnology to the Aerospace Systems”,Industrial Engineering Journal(IEJ)ISSN:0970-2555,Volume-53,Issue 2,February 2024.

6. Dr. Shivram. N Patil, **Nethra H S**, Sivakumar K Gopalakrishnan, Dr. C K Senthil Kumar, "Theoretical Foundations and Advancements in Polar Codes for 5G Network", International journal of innovative research in Computer and Communication Engineering(IJIRCCE), Volume 12, issue 12, December 2024.

Papers Presented in National and International Conferences/Seminars:

1. Mohana H K, **Nethra H S**, Devaraju J T, "*A Study on Challenges and Opportunities in Internet of Thing*", presented a paper in the National Conference on Innovation, Entrepreneurship and Start-Ups for Economic Transformation-Trends, Opportunities and Challenges", held on 13th April 2018, organized by Sindhi College in Association with Primax Foundation and Institute of Cost Accountants of India, Bangalore Chapter and published in proceedings.
2. Mohana H K, **Nethra H S**, Devaraju J T, "*A Study on Security and Privacy Issues in Fog Computing*", presented a paper in the National Conference on Emerging Trends in Physical, Natural and Information Sciences, held on 15th March 2018, organized by S.E.A. College of Science, Commerce and Arts, Bengaluru-49 and published in proceedings with ISSN No: 2321-788X .
3. Mohana H K, Suhas K R, **Nethra H S**, Devaraju J T, "*Performance Evaluation and Analysis of LTE and Wi-Fi Coexistence for Data Offloading in LTE-Advanced Systems*" presented a paper in the National Conference on "Future India: Science & Technology", held on 10th & 11th October 2018, organized by The Oxford College of Science, Bengaluru and published in proceedings.
4. Mohana H K, **Nethra H S** and Devaraju J T, "*Impact of Software Defined Radio in Cellular Networks*", presented a paper in the International Conference AVANT-GRADE 2017 on "Global Contemporary Issues, Innovations and Challenges in Commerce, Management, Science and Technology", held on 7th October 2017, organized by Seshadripuram First Grade College, Yelahanka Newtown, Bengaluru and published in conference proceedings, ISBN 978-93-5300-927-4, P(p)s: 455-460.
5. Mohana H K, **Nethra H S** and Devaraju J T, "*Effect of transmit power on throughput and jitter performance in the downlink LTE network*" presented a paper in the National Conference on "Competency building strategies in business and technology for sustainable development", held on 11th February 2017, organized by S.E.A College of Science and Commerce & Arts, Bengaluru and published in conference proceedings, ISBN 978-81-933316-6-8, P: 33.
6. Mohana H K, **Nethra H.S**, Rajashri Padaki "*Unmanned Aerial Vehicle Assisted LTE-Advanced Heterogeneous Networks for Public Safety Communications*", presented a paper in the AVANT-GRADE 2019 Multidisciplinary International Conference held on 18th March 2019 organized by Seshadripuram First Grade College, Yelahanka Newtown, Bengaluru
7. Mohana H K, **Nethra H S**, Vijaykumar A Patil "*The Promise of Nanotechnology to the World of Aerospace System*", presented a paper in the UGC Sponsored National Conference on Advances in Nano Electronics & Material Science held on 12th March 2019 organized by Department of Electronics, P.C. Jabin Science College Hubballi

Administrative Assignments

- Head of Department of Science in SEA College of Science, Commerce & Arts from June 2010.
- President, Institution's Innovation Council (IIC).
- Convenor, Women Empowerment
- Member of Internal Quality Assurance Cell.

Key responsibilities Handled

- Provide individualized instruction to keep all students at expected skill level.
- Identify and organize field trips, Seminars and fest to enhance curriculum.
- Meet with parents to discuss progress and address behaviour of the students
- Develop discipline plans and work closely with students.
- Preparation of time table and plan for the academic year.

Personal Profile

Name: NETHRA H S

Status: Married

DOB: 20-04-1986

Address: #62,6th A cross, Venugopal Nagar, HMT layout,
Bengaluru-560073

Declaration

I declare that all the statements and particulars given are true, correct and complete to the best of my knowledge and belief.

Place: Bangalore

Date:

(NETHRA H S)