Dr. Nandini Prasad K.S is working as Dean (Foreign Affairs), Dr. Ambedkar Institute of Technology (Dr. AIT), Bangalore and Professor at department of Information Science and Engineering. She has obtained Ph.D in Engineering (Networks); M.Tech (CSE) from Dr.AIT; and B.E (CSE) from PES Institute of Technology, Bangalore.

Professor Nandini has 19 years of teaching, research and industry experience. She has taught most of the subjects in Computer Science and Engineering; however , Compiler Design, System Modeling & Simulation, Logic Design, DBMS, Python Programming, Design & Analysis of Algorithms, Big Data Analytics, Python Programming, Data Science & Analytics and Finite Automata & Formal Languages are her preferred subjects. She has delivered guest lectures at various Engineering colleges. She is a research guide for Ph.D students at Visvesvaraya Technological University (VTU). She is also working as Nodal Officer(Academic), TEQIP-III at Dr. AIT.

Dr. Nandini Prasad has presented and published more than 75 papers at National, International conferences and International journals. She has won best paper award in few conferences. She has participated and conducted more than 24 seminars/workshops/short term courses/symposiums in India and abroad.She has to her credit of being a reviewer and session chair for IEEE/Springer/Elsevier conferences. She has obtained fundings worth 18.75 lakhs from AICTE, and KSCST (KARNATAKA STATE COUNCIL FOR SCIENCE and TECHNOLOGY).

Dr. Nandini has been awarded "Bharat Jyothi Award" by India International Friendship Society in 2012. Professor Nandini is a mentor for Institute for Research and Development, India. She has authored 5 books for Elsevier and Cengage Publications. She is currently guiding eight research scholars under VTU (Part-Time: 07 and Full-Time: 01-Funded by DST).

Qualification:

Year	Institution/University	Qualification	Percentage
2009-2014	UBDT, Davengere, Kuvempu University	Ph. D in Engineering	Completed in 2014
2003 – 2005	Dr.AIT, Visveswaraya Technological University, Belgaum.	M. Tech (CSE)	74% (FCD)
1997-2001	PES Institute of Technology, Bangalore University, Bangalore.	B.E (CSE)	75% (FCD)

Experience:

Sl. No.	Post Held	Period From - To	Nature of duties
1	Dean (Foreign Affairs)	5/7/2021-Till date	Administration
2	Professor	1/1/2018-Till date	Teaching, Research, Administration
3	Associate Professor **(Under 6th pay)**	1/4/2012- 31/12/2018	Teaching and Research
4	Assistant Professor **(Under 5th pay)**	23/8/2007 -31/3/2012	Teaching and Research
5	Lecturer	9/9/2002 -22/8/2007	Teaching

Books Published:

1. Nandini Prasad K S: Compiler Design, 3rd edition, Elsevier Publication, 2014, ISBN: 9789381269473.

2. R D Sudhaker Samuel, K S Nandini Prasad: Logic Design, 1st edition for CSE/ISE, Elsevier Publication, 2013, ISBN: 9789382291473.

3. Nandini Prasad K S, Dinakar K S: System Modeling and Simulation, 1st edition, Elsevier Publication, 2012, ISBN: 9789381269909.

4. Nandini Prasad K S, Dinakar K S: System Software and Compiler Design, 1st Edition, Cengage Learning, 2018, ISBN- 9789387511699

5. Nandini Prasad K S: Automata Theory and Computational Intelligence, 1st Edition, Cengage Learning, 2019, ISBN-13: 9789386668486

Patents Published:

1. The Patent Office Journal No. 12/2021 Dated 19/03/2021
Application No.202141010690 A; Date of filing of Application :13/03/2021
Title of the invention : BRAIN TUMOR DETECTION AND CLASSIFICATION USING DEEP LEARNING MODEL AND METHODS THEREOF

2 Application No.202141010690; Date of filing of Application :02/04/2021
Title of Invention: TRAFFIC POLICE OCCUPATIONAL STRESS MODEL and COPING STRATEGIES THEREOF

3. Application No.202141031085; Date of filing of Application : 11/07/2021
Title of Invention: SYSTEM FOR USER INTERFACE DESIGN USING ARTIFICIAL INTELLIGENCE AND METHODS THEREOF

Fundings:

Funded by AICTE	**1.PRERANA**-Programme Centre to promote Higher Education for SC/ST students- **Rs. 3.0 Lakhs.**
	2.SPDPC- Skill and Personality Development Programme Centre for SC/ST students **– Rs. 11.28 Lakhs**
	3.MODROB (Modernization and Removal of Obsolescene)-*BIG DATA LAB-* **Rs.3.50 Lakhs**
	4.AICTE Training and Learning (**ATAL**) sponsored One Week FDP-**Rs. 0.93 Lakhs**
	Total: Rs. 18.71 Lakhs
Funded by KSCST(KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY)	1.Two projects funded from KSCST: 39th Series of Student Project Programme : 2015-2016: - Project Proposal reference No.: **39S_BE_1341:** *Design and Management of Response System for Vehicle Collision:* Rs.3000. **39S_BE_1345:** *Smart Parking System Using IOT* : Rs.3000. 2.One project funded from KSCST: 41st Series of Student Project Programme : 2017-2018: - Project Proposal reference No.: **41S_BE_0429:** *Design and Development of Automatic Weather Station for Health Related Issues:* Rs.3500.

AWARDS:

1.Won **" Best Paper Award"** Divyashree N, Nandini Prasad K.S, International Conference on Evolutionary Computing and Mobile Sustainable Networks (ICECMSN 2020), **Springer Conference** , 20-21 February 2020 at Sir M. Visvesvaraya Institute of Technology, Bangalore, India.

   Paper Title: Cognitive Computing Technologies, Products and Applications

2.Won 1st place for paper presentation at International Conference on Advanced Computer Theory and Engineering(ICACTE) & International Conference on Advanced Electrical, Electronics Engineering and Application(ICAEEEA), Institute for research and development(IRD), Bangalore on 2/9/12.
Details of paper: Nandini Prasad K S, Pranavjeet Mishra, Ranganathan C, Naveen Kumar M, Tejas S, "*IP based communication using a SIP Phone*", pp. 105-109.

3. Received "*Bharat Jyothi Award*" by India International Friendship Society on 29 Aug. 2012 at New Delhi.

4. Received "Certificate of Appreciation" from **NPTEL** (National Programme on Technology Enhanced Learning) for having cleared 6 subjects at a time from June to Dec.2019 courses.

5. Received "Certificate of Appreciation" from NPTEL from Jan.to Dec.2020 courses:
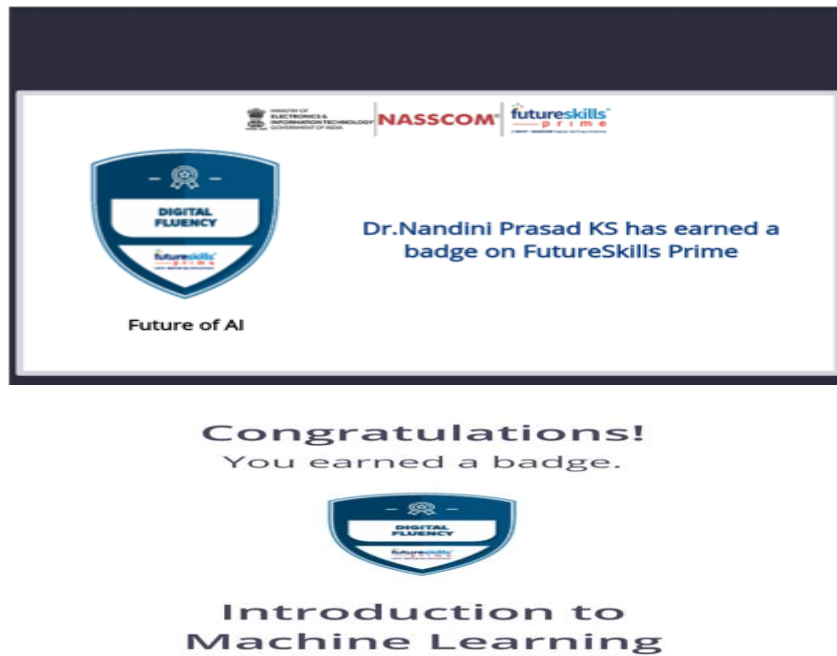

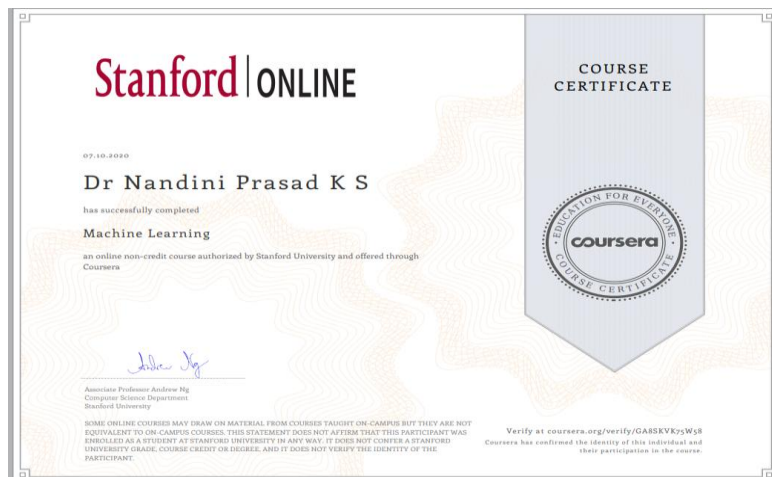
6.Recognized by NPTEL as " NPTEL ENTHUSIAST" for Dec.2020:

7. Details of ARPIT (Annual Refresher Programme in Teaching-Launched by MHRD) exam cleared:

SWAYAM ARPIT ONLINE COURSE CERTIFICATION

This Certificate is awarded to

DR.NANDINI PRASAD K.S

for successfully completing the ARPIT Course for

Career Advancement Scheme(CAS) promotion

Skills For New Educational Architecture

with a "C" Grade in the proctored examination held on 16.02.2020

Sant Gadge Baba Amravati University

Authorized Signatory of Institution (Course Coordinator)
Sant Gadge Baba Amravati University

Authorized Signatory of AICTE

Date of Issue : 30/06/2020   www.swayam.gov.in

8.Future Skills Badges by NASSCOM:

Dr.Nandini Prasad KS has earned a badge on FutureSkills Prime

Future of AI

Congratulations!
You earned a badge.

Introduction to Machine Learning

9. Coursera Certificate-2020:

Stanford | ONLINE

COURSE CERTIFICATE

07.10.2020

Dr Nandini Prasad K S

has successfully completed

Machine Learning

an online non-credit course authorized by Stanford University and offered through Coursera

Associate Professor Andrew Ng
Computer Science Department
Stanford University

SOME ONLINE COURSES MAY DRAW ON MATERIAL FROM COURSES TAUGHT ON-CAMPUS BUT THEY ARE NOT EQUIVALENT TO ON-CAMPUS COURSES. THIS STATEMENT DOES NOT AFFIRM THAT THIS PARTICIPANT WAS ENROLLED AS A STUDENT AT STANFORD UNIVERSITY IN ANY WAY. IT DOES NOT CONFER A STANFORD UNIVERSITY GRADE, COURSE CREDIT OR DEGREE, AND IT DOES NOT VERIFY THE IDENTITY OF THE PARTICIPANT.

Verify at coursera.org/verify/GA8SKVK75W58
Coursera has confirmed the identity of this individual and their participation in the course.

Scopus Indexed Papers:

1. *Cognitive Computing Technologies, Products and Applications,* Lecture Notes on Data Engineering and Communications Technologies, Vol. 53, Springer, Singapore. https://doi.org/10.1007/978-981-15-5258-8_64, pp.677-701.

2. *SASI: Smart Agriculture System Based On IoT*, European Journal of Molecular & Clinical Medicine ISSN 2515-8260 Volume 07, Issue 08, Nov. 2020,pp.3113-3120. https://ejmcm.com/article_4825.html

3. *Smart Home Lighting System,* 2020 IEEE International Conference on Smart Innovations in Design, Environment, Management, Planning and Computing (ICSIDEMPC), 30-31 Oct. 2020, Aurangabad, India, ISBN:978-1-7281-5971-3. https://ieeexplore.ieee.org/document/9299585

4. *Energy Efficient Node Deployment for WSN to Enhance QoS*, Third IEEE International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques(ICEECCOT-2018) at GSSSIET for Women, Mysuru, 14/12/2018 and 14/12/2018. https://ieeexplore.ieee.org/document/9001428

5. *Software Defined Networking for Smart Grid communications and security challenges*, International Conference and Exhibition on Smart Grids and Smart Cities, Springer Conference New Delhi, 7th -10th March 2017, pp. 80- 84. https://link.springer.com/chapter/10.1007/978-981-10-8249-8_9

6. *Automation of Desktop Applications using Keyword driven approach*, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878 , Volume-8, Issue-1C, May 2019.
(Available in SSRN eLibrary of ELSEVIER-Scopus Indexed Journal).
https://www.ijrte.org/wp-content/uploads/papers/v8i1C/A10120581C19.pdf

7. *Development of On-Board Diagnostics for Car & it's Intergration with Android Mobile*, 2nd International Conference on Computational Systems and Information Technology for Sustainable Solutions [CSITSS 2017], IEEE Conference, Bangalore, 21st-23rd , Dec. 2017, 978-1-5386-2044-1/17. https://ieeexplore.ieee.org/document/8447540

8. *Novel Approach for Detecting Malicious Activity* in WSN Using Se*curing Scheme,* 2nd International Conference on Applied and Theoretical Computing and Communication Technology (iCATccT),**IEEE Conference**, Bangalore, India, 21st -23rd July 2016, 978-1-5090-2399-8, pp. 76-80. https://ieeexplore.ieee.org/abstract/document/7911968

9. *Adaptation Trust Based Protocol For IoT Using Smartphones in Social Media: Travel Map Guide, ,* 2nd International Conference on Applied and Theoretical Computing and Communication Technology (iCATccT), **IEEE Conference**, Bangalore, India, 21st -23rd July 2016, 978-1-5090-2399-8, pp. 108-111. https://ieeexplore.ieee.org/document/7911974

10. *Energy Efficient Node Deployment for WSN to Enhance QoS*, Third **IEEE** International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques(ICEECCOT-2018) at GSSSIET for Women, Mysuru, 14/12/2018.
https://ieeexplore.ieee.org/document/9001428

11. *Providing Anonymity Using Top down Specialization on Big Data Using Hadoop Framework*, at IEEE INDICON Conference, Jamia Millia Islamia, New Delhi, India held on 17th-20th Dec. 2015,pp.1-6.
https://ieeexplore.ieee.org/document/7443205

12. *Performance of Tracking Public Transport in Heterogeneous Networks* at 2015 IEEE International Conference on Research in Computational Intelligence and Communication Network (ICRCICN), RCC Institute of Technology, Kolkata, 20th -22nd November 2015, pp. 357-362.
https://ieeexplore.ieee.org/document/7434264

Guest Lectures Delivered:

1.Speaker on Windows for 10 days training programme on *Computer Literacy(for rural students)* under TEQIP under services to community from 23/3/2007 – 1/4/2007.

2.Speaker on Introduction to Computers for 5 days training programme on *Computer Literacy(for housewives)* under TEQIP under services to community from 28/11/2007 – 3/12/2007.

3.*Delivered guest lecture* at Dept. of CSE & ISE, Auden Technology and Management Academy from 19/4/10-20/4/10.

4.*Delivered guest lecture* at Dept. of ISE, East West Institute of Technology on 21/2/11.

5.*Delivered guest lecture* at Dept. of CSE, East West Institute of Technology on 15/3/11.

6.*Delivered guest lecture* at Dept. of CSE & ISE, East West Institute of Technology on 9/5/11.

7. *Delivered lecture in* TEQIP-III workshop on *Recent Trends in Industry and Academia* Organized jointly by Institute of Engineering Technology, Dr.Rammanohar Lohia Avadh University, Faizabad and Dr.AIT under twinning activities of TEQIP-III held from 27/10/2018 to 2/11/2018.

8. *Delivered lecture in* TEQIP-III Sponsored National Workshop FDP on *Pedagogy and Active Learning* at Samrat Ashok Technological Institute, Vidisha, Madhya Pradesh from 20/5/2019 to 25/5/2019.

9.Delivered lecture in National Workshop on FDP for Improving Teaching, Research and Learning Competence at Leh-Ladakh, Jammu & Kashmir held from 25/6/2019 to 29/6/2019.

10.Speaker during 3 Day Faculty Development Program (Online) on "Emerging Technologies in Advanced Computing " on "Six Sigma" on 29th August 2020, at EWIT, Bengaluru.

11.Was invited and delivered Chief guest address on *Project Exhibition 2021* at EWIT on 15/7/2021.

12. Delivered lecture (Online) on *Code Optimization* at Atria Institute of Technology, Bengaluru on 28/7/2021.

Responsibilities Held:

College level responsibilities:

- TEQIP-III Nodal Officer(Academics) from Jan. 2018 till date
- TEQIP-III Nodal Officer(MIS) from June 2018 till date
- Woked as squad for pratical examination May 2018
- Member for Internal auditing, 2017
- Member and coordinated TEQIP-II inspection committee under chairmanship of Dr. Reddy, HOD, Dept. of Physics in 2017
- Member for Extracurricular activities
- Member and Coordinator for student and faculty/staff satisfaction survey for TEQIP-II in 2016 and 2017
- Member for inspection committee for stock verification in May 2017
- IEDC-Dr. AIT (Innovation and Entrepreneurship Development Cell-Dr. AIT) coordinator
- Coordinated for TEQIP - II Sponsored Industry Institute Meet 2017 at Hotel Oberoi on 24/3/2017

Department level responsibilities:

- M.Tech (CNE) coordinator : 2013-2016
- RPRC(Research Progress Review Committee) coordinator
- TEQIP-II coordinator, Dept. of ISE
- Mentor
- Workshop/Seminar/ Conference coordinator
- AICTE, VTU coordinator
- Technical fest coordinator
- Progress Report co-ordinator
- Newsletter co-ordinator
- Lab/s incharge
- NBA, NACC, ISO coordinator
- Project coordinator
- Department co-ordinator for college website
- Co-ordinator for Centre of Excellence (CoE)
- VMWare, EMC^2, SOLUTT : Industry Institute Co-ordinator
- BoS and BoE member
- Question paper auditing member

Interaction with outside world:

1. Rendered service as a **Proctor** at NIT, Warangal during **Student Learning Assessment Survey** from 26/3/2019 to 27/3/2019 appointed by NPIU (National Project Implementation Unit) in collaboration with Stanford University

2. Rendered service as a **Proctor** at NITK, Suratkal during **Student Learning Assessment Survey** from 15/11/2017 to 17/11/2017 appointed by NPIU (National Project Implementation Unit)

3. Appointed as **CSI editorial board member** from April 2017

4. Was appointed as **AICTE expert member for AICTE Expert Committee for visit from** 2/11/2017 to 3/11/2017

5. Was appointed as **AICTE expert member for AICTE Expert Committee visit on 23-6-2016**

6. Reviewer:

- **Reviewed papers for IEEE/Springer conferences/Journals:**

  ➢ IEEE International Conference on Computing and Network Communications (CoCoNet'15), December 16-19, 2015, Trivandrum, Kerala
  ➢ IEEE International Conference on Communication Systems and Network Technologies (CSNT 2016): 5-7 March 2016 at Chandigarh
  ➢ Fourth International Conference on "Emerging Research in Computing, Information, Communication and Applications" (ERCICA 2016) from 29th and 30th July, 2016, Springer conference
  ➢ Served as Reviewer, Technical program committee for the Second International Conference on Computing and Network Communications (CoCoNet'18), Astana
  ➢ Reviewer for Journal of Computational and Therotical Nanoscience, September 2018
  ➢Reviewer for ERCICA 2020, Springer Conference, NMIT, Bangalore, September 2020

7. Question paper setter for NMIT, BMSCE, RVCE autonomous colleges.

Institutional Membership:

1. **ISTE** (Indian Society for Technical Education)   Membership No: LM 35416

2. **ISSS** (Institute for Smart Structures and Systems) Membership No: LM/338

3. **CRSI** (Cryptology Research Society of India)   Membership No: L/426