Name: **Dr. SRAVANTH KUMAR RAMAKURI**
Designation: Assistant Professor
Department: ECE
Mail I'd: srava2010@gmail.com, sravanthkumar_r@vnrvjiet.in
Experience (in years): 6 Teaching: 7 Research: 3 Others(if any, specify):

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	Ph.D.	2021	Bio-Medical signal proc.
2	M.Tech.	2012	RF&ME

2. Teaching and Learning:

    a. Teaching Interests: Digital Signal Processing. Bio Medical Engineering, Wireless Communication, Signals and Systems, Speech Processing.
    b. Novel Teaching & Learning Techniques adopted: WIT AND WIL, discussion method, brain computer interface.
    2.3. Involvement in curriculum updating / Design:

2. Co-curricular and Extra-Curricular Activities

    3.1. Interests and Hobbies: New Research development, music, playing cricket etc
    3.2. CCA/ECA Organized: NA
    3.3. CCA/ECA participated: NA
    3.4. Counseling and Mentoring Activity: Yes
      Committees involved in: Training and Placements, Final Year Major Projects
      Reviews and Viva Voice,

3. Conference / Workshop / Seminar / Guest Lectures:

1. Sravanth Kumar Ramakuri, Vishnu vytla, Anudeep Peddi,Kalyana Srinivas, K nitish Ragav " Mathematical Model for Predicting Covid – 19 Pandemic – A Review" IOCER COVID 19, PP:012009, Volume 1797, issue 1, Jounral of Physics: Conference series 2021.
2. Sravanth Kumar Ramakuri,Anudeep Peddi,Chinmoy chakraborty, G Sudha Sagar ,Bharat Gupta"Comparison of Attention and Meditation Based Mobile Applications by Using EEG Signals" PP: 260-265,GWS 2018, Thailand, 2018.
3. Sravanth Kumar Ramakuri, Anudeep Peddi,Nishanth Rao, Bharat Gupta, Sanchita Ghosh "Performance and Analysis of Human Attention using single channel wireless EEG sensor for medical application" AICC -2018 (Springer), Feb 2-3 -2018,Hyderabad.
4. Sravanth Kumar Ramakuri, Chinmoychakraborty, Bharat Gupta, Sanchita Ghosh "Performance Analysis of Eye-state Characterization through single electrode EEG device for Medical Application" Global Wireless Summit– 2017, Capetown, South Africa, 2017.
5. Sravanth Kumar Ramakuri, Vivek Kumar, and Bharat Gupta " Behavior state feature extraction through Single Channel EEG Device for Medical Application", IEEE 5th International Conference (Wireless VITAE'2015) Hyderabad, India, 13-16 December 2015.
6. Sravanth Kumar Ramakuri, Vivek Kumar, and Bharat Gupta, "Extraction for Human Behavior from EEG Signal for Medical Application", 2nd International Conference on Microelectronics, Circuits and Systems (Micro 2015), IEEE EDS, Kolkata, 11- 12, July 2015.

7. SravanthkumarRamakuri, Vivek Kumar and Bharat Gupta, "Feature Extraction from EEG Signal through One Electrode Device for Medical Application", 1st International conference on Next Generation Computing Technologies (NGCT 2015), Dehradun, 4-5 September 2015.
8. Vivek Kumar, Bharat Gupta, and Sravanth Kumar Ramakuri, "Performance Analysis of Swastika Slot UWB Antenna in Vicinity of Dispersive Human Layered Tissue Model", IEEE Region 10 Technical Symposium (TENSYMP 2014), Kuala Lumpur, Malaysia, 14-16 April 2014.
9. MohdSherfuddin, SravanthkumarRamakuri, E.G Rajan "Algebra of 3D geometric filters over rectangular grid" IEEE International Conference on Recent Trends in Information Technology (ICRTIT), Chennai, India 8-9 April 2016.
10. SupanthaMandal, Surajkumarsaw,shilpimaji, sravanthkumarramakuri, sanjaykumar "Low cost arduinowifibluetooth integrated path following robotic vehicle with wireless GUI remote control" IEEE International Conference on Information Communication and Embedded Systems (ICICES), Chennai, India 25-26 February 2016.

4. Academic Contribution and Research & Consultancy:
 a. Invited Lectures:
 b. Articles/Chapters published in Books:
  - Sravanth Kumar Ramakuri, Anudeep Peddi,Bharat Gupta, C Chakraborty "Classification algorithms for EEG–Based Brain Computer Interface: A Review" Advanced Classification Techniques for Healthcare Analysis, pp 52-73, IGI GLOBAL, 2019.
  - Sravanth Kumar Ramakuri, Anudeep Peddi,Bharat Gupta, K nishanth rao, Sanchita Ghosh "Performance and Analysis of Human Attention Using Single-Channel Wireless EEG Sensor for Medical Application" First International Conference on Artificial Intelligence and Cognitive Computing (Springer), PP 355-362,2019.
 c. Books published as single author or as editor:
 d. Projects Guided:
     a) UG: 7
     b) PG: 3
 5.5. Research Interests: Bio Medical Signal Processing, Brain Computer Interface, Cognitive Neuroscience, and Artificial Intelligence.
 5.6. Ph.D students:
  a) Enrolled:
  b) Submitted:
  c) Awarded:
 5.7. Papers published in reviewed journals:

  1. Srinivas, L.N.B., Bharathy, A.M.V., **Ramakuri, S.K.** *et al.* "An optimized machine learning framework for crop disease detection". *Multimedia Tools Appl* (**2023**). https://doi.org/10.1007/s11042-023-15446-2
  2. J. Kuppala, K. K. Srinivas, P. Anudeep, **R. S. Kumar** and P. A. H. Vardhini, "Benefits of Artificial Intelligence in the Legal System and Law Enforcement," *2022 International Mobile and Embedded Technology Conference (MECON)*, Noida, India, 2022, pp. 221-225, doi: 10.1109/MECON53876.2022.9752352.

3. **R. S. Kumar,** K. K. Srinivas, A. Peddi and P. A. H. Vardhini, "Artificial Intelligence based Human Attention Detection through Brain Computer Interface for Health Care Monitoring," *2021 IEEE International Conference on Biomedical Engineering, Computer and Information Technology for Health (BECITHCON)*, Dhaka, Bangladesh, **2021**, pp. 42-45, doi: 10.1109/BECITHCON54710.2021.9893646.

4. Vishnu Vytla, **Sravanth Kumar Ramakuri** *"Mathematical Models for predicting COVID -19 Pandemic"* 2021 *J. Phys.: Conf. Ser.* **1797** 012009 **DOI** 10.1088/1742-6596/1797/1/012009.

5. Kumar, R. Sravanth, et al. "A survey on recent trends in brain computer interface classification and applications." *J Criti Rev* 7 (2020): 650-658.

6. **Sravanth Kumar Ramakuri**, Chinmay Chakraboirty, Anudeep Peddi, Bharat Gupta " Classification algorithms for EEG Based Brain Computer Interface – A review" Advanced Classification Techniques for Healthcare Analysis, Pages 52-73, IGI Global, 2019.

7. **Sravanth Kumar Ramakuri**, Anudeep Peddi, KS Nishanth Rao, Bharat Gupta, Sanchita Ghosh " Performance and analysis of Human attention using single channel wireless EEG sensorfor medical application" First International Conference on Artificial Intelligence and Cognitive Computing, pages 355-362, Springer, 2019.

8. **SravanthkumarRamakuri**, Sanchita Ghosh, Bharat Gupta, Anudeep peddi and K nishanth rao "Performance and Analysis of Human Attention using Single channel wireless EEG sensor for medical application" 1st International conference on Artificial Intelligence and cognitive computing (AICC 2018- Springer) Feb 2-5 2018, Hyderabad (**Best Paper Award**).

9. **Sravanth kumar Ramakuri**, Sanchita Ghosh, Bharat Gupta, "Behavior state Analysis through Brain Computer Interface using Wearable EEG Devices: a review", Electronic Government (Inderscience), ISSN: 1740-7508, An International Journal, 2017,Vol 3, issue 14,PP 377-390,ISBN: 1740-7508. DOI: 10.1504/EG.2017.10006979.

10. **Sravanth kumar Ramakuri**, Sanchita Ghosh, Bharat Gupta, "Feature Extraction of Human Behavior state through Wireless EEG Device for Healthcare Monitoring" ,Journal of Advanced Research in Dynamical and Control system (JARDCS), An International Journal, July- 2017.Vol 5, PP 268-277, ISBN: 1943-023x.

11. Vivek Kumar**,** Bharat Gupta, and **Sravanth Kumar Ramakuri**, "Wireless Body Area Network towards Empowering Real-time Healthcare Monitoring: A Survey", In*ternational Journal Sensor Networks*, Inderscience Publisher,vol 22.no.3,PP 177-187, ISBN: 1748-1287,2016. (IF-1.386) **(SCI).**

12. **Sravanth Kumar Ramakuri**, Chinmoychakraborty, Sanchita Ghosh, Bharat Gupta "Performance analysis of Eye state Characterization through single electrode EEG device for Medical Application" IEEE International Conference on Global Wireless Summit (GWS -2017), Capetown, Southafrica. 15-18 Oct 2017. (**Best Paper Award**)

13. **Sravanth kumar Ramakuri**, Vivek Kumar and Bharat Gupta, "Feature Extraction from EEG Signal through One Electrode Device for Medical Application", *1st International conference on Next Generation Computing Technologies (NGCT 2015)*, Dehradun, 4-5 September 2015, ISBN: 978-1-4673-6809-4.

14. **Sravanth Kumar Ramakuri,** Vivek Kumar, and Bharat Gupta, "Extraction for Human Behavior from EEG Signal for Medical Application", 2nd International Conference on Microelectronics, Circuits and Systems (Micro 2015), IEEE EDS, Kolkata, 11- 12, July 2015. Vol. 2, PP 72-77, ISBN: 81-85824-46-0.

15. **Sravanth Kumar Ramakuri,** Vivek Kumar, and Bharat Gupta " Behavior state feature extraction through Single Channel EEG Device for Medical Application", IEEE 5th International Conference on Wireless Communications, Vehicular Technology, Information Theory, Aerospace & Electronics Systems, (Wireless VITAE'2015) Hyderabad, India, 13-16 December 2015.

5.8. Papers presented at National / International Conferences:
5.9. Sponsored research Projects:
5.10 Consultancy Projects: Nil
5.11.Citations: https://scholar.google.com/citations?user=uMhulZwAAAAJ&hl=en

6. **Awards / Honors received:** Best paper award for " Performance and Analysis of Human Attention using single channel wireless EEG sensor for medical application" an International Conference on Artificial Intelligence and Cognitive Computing AICC -2018 (Springer) on Feb 2-3, 2018, Hyderabad.

Patents: 1 Indian (FER Filed), 1 Australian Patent (Granted) German Patent (Granted).

7. **Motto:** To work in challenging environment as an active member in a team towards the accomplishment of Institutional goals and to achieve success in my career and prove to be an asset to the organization.