Anupam Bisht
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ACADEMIC DETAILS

Year	Degree	Institute	CGPA/%
Jan 2021	PhD, Biomedical Engineering	University of Calgary	-
2019 - 2020	MSc, Biomedical Engineering (Transferred)	University of Calgary	4/4
2015 - 2019	B.Tech Electrical and Electronics Engineering	VIT Vellore	9.69/10

AREA OF INTEREST

- Recording and stimulation instrumentation to enable mechanistic studies in the brains of freely moving rodents.

RESEARCH EXPERIENCE

- **Undergraduate Thesis Project** **(December, 2018 - April, 2019)**
  Steady state visually evoked potential (SSVEP) based Brain Computer Interface
  Bio-Electronics Lab, Department of Applied Mechanics, Indian Institute of Technology Madras (IITM)
  Mentor: Prof. Ramasubba Reddy.
- **Extracurricular undergraduate project** **(January, 2017 - August, 2018)**
  Designing and testing new stimuli and algorithms for improved steady state visually evoked potential (SSVEP) based Brain Computer Interface
  Department of Electrical and Electronics Engineering, Vellore Institue of Technolgy (VIT)
  Mentor: Prof. Geethanjali Purushothaman.
- **Summer Internship** **(May - June, 2018)**
  A study of the oculomotor system and the visuomotor adaptation task
  Primate Research Lab, Center for Neuroscience, Indian Instute of Science (IISc), Bangalore
  Mentor: Prof. Aditya Murthy
- **Summer Internship** **(June 2017)**
  Automation of Grinding Intelligence
  Advanced Manufacturing Technology Development Center, Indian Institute of Technology Madras (IITM) Research Park

PUBLICATIONS AND PRESENTATIONS

- A New 360° Rotating Type Stimuli for Improved SSVEP based Brain Computer Interface. Anupam Bisht, Shivam Srivastava, and P. Geethanjali (Published on December 26th, 2019 in Biomedical Signal Processing and Control)
- Presented a poster on the title - "Clinical Trial Manager: One of the reason behind success of Clinical Trials" in the What Can You Be With Your Graduate Degree? Symposium held on December 12th, 2019.

TEACHING (AT UNIVERSITY OF CALGARY)

- Teaching assistant for the course of "Digital Circuits" (Fall 2020).
- Teaching Assistant for the course of "Electronic Devices and Materials" (Winter 2020).

TEST SCORES

- Qualified Graduate Aptitude Test in Engineering (GATE) 2019 in Electrical Engineering Stream
- IELTS - October 2018 (Overall - 8, Listening - 9 , Speaking - 7, Writing - 7, Reading - 8)

ONLINE COURSES AND WORKSHOPS

- Attended the "Machine Intelligence and Brain Research Workshop on Computational Brain Research" at IIT Madras on January 2nd-9th 2019.
- Neural Networks and Deep Learning by deeplearning.ai on Coursera. Certificate earned on October 17, 2017.(coursera.org/verify/S4WNGF4GK2CB)

ACHIEVEMENTS AND AWARDS

- Alberta Graduate Excellence Scholarship, University of Calgary (July 2020)
- Biomedical Engineering Research Award 2020 , University of Calgary (April 2020)
- Rank 2nd in the Class of 2019 of Electrical and Electronics Engineering, VIT Vellore.
- Awarded Merit scholarship for excellent academic performance in the branch at VIT for the academic year 2016,17,18,19.
- Selected for Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR) summer research fellowship programme 2018 , under Prof.Aditya Murthy, Center of Neuroscience, at IISc Bangalore (Feburary 2018)

EXTRA CURRICULAR ACTIVITIES

- Mentor for an incoming international graduate student at the International Student Mentorship Program, University of Calgary (August-December 2020)
- Contributed as a reviewer for the Journal of Biomedical Signal Processing and Control. (March-November 2020)
- Presenter for 2 sessions at East Brook Elementary School,Brooks, Alberta as part of a outreach program of Calgary Optics and Photonics Society. We reached out to 146 students in total duirng both the sessions. (October 2019)
- Member of NSS (National Service Scheme) at VIT.
- A volunteer at Kulethi primary school Champawat,Uttarakhand. I helped to promote tablet assisted teaching in the primary school.Also helped in video making of basic science experiments in Hindi, which are uploaded in YouTube.(June 2016)