

Curriculum Vitae  
**Dr. Proshanto Kr. Saha**

**Current Office Address**

HoD & Associate Professor  
(Forensic Psychology  
& Neuropsychology)  
Department of Psychology  
Rajiv Gandhi University-A Central  
University,  
Rono Hills, Doimukh, Arunachal Pradesh  
Mob: 08758316189(P)  
Email: [saha.csl@gmail.com](mailto:saha.csl@gmail.com)  
[proshanto.saha@rgu.ac.in](mailto:proshanto.saha@rgu.ac.in)

**Last Office Address**

ITPAR-Fellow, CIMeC-Centro interdepartimentale  
Mente/Cervello(CiMeC), Center for Mind/ Brain  
Sciences, Palazzo  
FedrigotticorsoBettini31,38068,Rovereto(TN),Italy  
Tel.: +390464808615(O)  
Fax: +390464808654 [cimec@unitn.it](mailto:cimec@unitn.it)  
Mob.: +3669518292(P)

**Work Experience:** Teaching-10.04 Years; Research: 3.8 Years (Total: +13 Years)

19 <sup>th</sup> May, 2023 – Till Date (0.07 years onwards)	HoD & Associate Professor (Forensic Psychology & Neuropsychology) Department of Psychology, Rajiv Gandhi University-A Central University, Rono Hills, Doimukh, Arunachal Pradesh
11 <sup>th</sup> December, 2022 – 18 <sup>th</sup> May, 2023 (0.06 years)	Associate Professor (SBF) & Associate Dean (SDSR), School of Behavioral Forensics (SBF), National Forensic Sciences University (NFSU), Sector-9, Nr. Police Bhawan, Directorate of Forensic Science (DFS), Gandhinagar- 382007, Gujarat, India
13 <sup>th</sup> September, 2013-10 <sup>th</sup> December, 2022 (10.02 years)	Assistant Professor (Neuropsychology & Forensic Psychology), School of Behavioral Science (SBS), National Forensic Sciences University (NFSU), Sector-9, Nr. Police Bhawan, Directorate of Forensic Science (DFS), Gandhinagar-382007, Gujarat, India
1 <sup>st</sup> August, 2012 – 2 <sup>nd</sup> February, 2013 (6 months)	ITPAR (India-Trento Program for Advanced Research) Fellow, CiMeC, University of Trento, Italy, Post-Ph.D. Training
June, 2006 – June, 2009 (3 years)	Project Fellow, LSRB & DRDO, Govt, of India Project at Cognitive Science Laboratory (CSL), Department of Psychology, Banaras Hindu University, Varanasi-221005, Uttar Pradesh, India
September, 2008 – July, 2012 (4 years)	Doctoral Fellow, Cognitive Science Laboratory (CSL), Department of Psychology, Banaras Hindu University, Varanasi-221005, Uttar Pradesh, India
2005 (2-months)	Research Assistant, Centre for Behavioral and Cognitive Sciences, University of Allahabad, Allahabad-211002, India

**Education****2008-2012 Doctorate in Philosophy (Ph.D)–Cognitive Psychology**

**Topic:** *Effects of Auditory, Visuo spatial Switching and Stimulus Onset Asynchrony (SOA) on Attention Task Performance* (Submitted June, 2012 & Awarded-3<sup>rd</sup> March, 2013)

**Supervisor:** Prof. & Head, Dr. Indramanil L. Singh, Ph. D.

Cognitive Science Laboratory, Department of Psychology Banaras Hindu University,  
Varanasi, India

**2004-2006 Master of Arts (Cognitive Science)**

**Master's Thesis:** *Devanagiri Letter Identification and the Effect of Crowding on it.*

**Supervisor:** Prof. & Head, Dr. Narayanan Srinivasan

Center for Behavioral and Cognitive Sciences (CBCS) University of Allahabad, Allahabad, India

(CGPA: 7.13/9.0 Aggregate: 71.30%)

**Distinctions**

1. English, Science & Social Studies during Higher Secondary Examination (1998).
2. English & Chemistry during Senior Secondary Examination (2000).

**Fellowships**

1. Merit based scholarship at CBCS during the Master's Course (2004-2006).
2. Two months apprentice for project on "Camouflage Detection" funded by DIPR (Defense Institute of Psychological Research, Govt. of India) (September & October, 2005).
3. DRDO- LSRB Fellowship for three years project (2006 to 2009).
4. UGC-Research Fellowship from September, 2009 to June, 2012.

**Awards****2010 – IBRO Alumni Best Poster Award**

**International Brain Research Organization (IBRO), 5<sup>th</sup> FAONS (Federation of Asian – Oceanian Neuroscience Societies) Congress, jointly with its XXVIII Annual Meeting Indian Academy of Neurosciences (IAN)** took place in November 25-28, 2010, in Lucknow, India. Topic of the poster was "Tasks switching and individual differences in cognitive control of attention: psychological evidences (EEG/ERP)" (Prize Money=\$300)

**Best Scientific Paper (Conference Presentation Awards)**

1. *Dynamics of Human Automation Interaction: Perceived Mental Workload & Monitoring Inefficiency in an Automation Aid*, ICRACS International Conference on Recent Advances in Cognitive Science) Department of Psychology, Banaras Hindu University, Varanasi- 221005, December 18–20, 2010.
2. *Psycho physiological correlates, individual differences, mental work load and flight simulation task performance*. ISCSM (International Symposium on Cognition, Stress & Mental Health), Department of Psychology, Banaras Hindu University, Varanasi- 221005, India, December 14-16, 2009.
3. *Electrophysiology (EEG) of Human Monitoring Behavior in Automation-Induced Complacency*. National Conference on Recent Advancements in Cognitive Science, December, 19-21, 2008, Department of Psychology, Banaras Hindu University, Varanasi- 221005, India.

**Significant Contribution to the Field at State/National Level****Development of Forensic Psychology Model Syllabus for UGC, Govt. of India.**

Under supervision of Prof. Akbar Hussain, Department of Psychology, Aligarh Muslim University, I have drafted the model course/syllabi for Forensic Psychology which has been published by University Grants Commission (UGC) on 24<sup>th</sup> November, 2016, [https://www.ugc.ac.in/pdfnews/6918481\\_Psychology\\_Final-Report-24-Nov-16.pdf](https://www.ugc.ac.in/pdfnews/6918481_Psychology_Final-Report-24-Nov-16.pdf).

**Anti-Corruption Bureau (ACB) Case Recordings**

Conducted successfully more than 20 Cases of Voice and Video-recording for the purpose of Layered Voice Analysis of real corruption cases at SBS, NFSU from 2019 till date.

**Research Projects (Completed)**

**Scene Perception: Ensemble information and importance of context** (2012-2013, India-Trento Programme for Advanced Research-ITPAR)

**Supervisor: Prof. David Paul Melcher**

The India-Trento Programme for Advanced Research (ITPAR) in Cognitive Neurosciences aimed to reveal the basic mechanisms underlying human capability of processing naturalistic objects and scenes. Converging evidence from behavioral, imaging and computational studies suggest that, at least in early stages of processing, mechanisms involved in natural scenery cognition maybe independent from those involved in recognizing objects. Clearly, the mechanisms by which scene understanding occurs in the brain remain to be found.

**Psycho physiological correlates, individual differences, mental workload and flight simulation task**– A Defence Research and Development Organization (DRDO), Ministry of Defence, Government of India, sponsored 3 years project (2006-2009).

**Principal Investigator: Prof. Indramani L. Singh**

The purpose of the study was to investigate whether and to what extent individual differences in physiological indices and personality can predict mental work load and monitoring performance in a flight simulation task.

**The project was awarded NITTR-Best Project Award - 2010** (National Institute of Technical Teachers Training) by Indian Academy of Applied Psychology (IAAP).

**Devanagari Letter Identification and the Effect of Crowding on it** (Master Thesis).

**Supervisor: Dr .Narayanan Srinivasan**

Recent work on letter identification indicates that humans identify letters either by featured detection or pattern recognition, which are loosely coupled. The two stages differ not only in functional be it in method. Pattern matching scales with letter size, while the features used in identifying letters do not. Whether crowding occurs at the first or second a fore said stages, is not known, but can be inferred by comparing letter size with critical spacing.

**Camouflage Detection-A project funded by DIPR** (Defence Institute of Psychological Research, India) (2005-06)

**Principal Investigator: Dr. Narayana Srinivasan**

In this project I was interested in the perception part of the phenomena and written the report on the Neuropsychological Assessments conducted during the experiment.

**On Going Research Projects (Granted by Funding Agencies-2019-20 onwards)**

**1.Effect of Neurofeedback Intervention Training Module (NITM) on Emotional Regulation, Impulsivity and Aggression in Juvenile Offenders**

Project granted from Cognitive Science Initiative (CSI), DST, Govt. of India, New Delhi, Budget=Rs.48,36,800 Lakhs Rupees, in August, 2019/Granted on 24/12/2019).

**Research Projects (Submitted to Funding Agencies-2022-23)**

- 1. Cognitive Impairment and Sleep Abnormality in Individuals with Mild Cognitive Impairment (MCI): Development of Sleep Intervention and Cognitive Retraining Module**
- 2. Multi-centric Project Submitted to Cognitive Science Initiative (CSI), DST, Govt. of India, New Delhi, Budget=Rs. 3.5 Crore (Short-listing is pending).**

Research Institutions involved in Project: All India Institute of Medical Sciences (AIIMS), Patna; National Forensic Sciences University (NFSU), Gandhinagar; National Institute of Mental Health and Neuro Sciences (NIMHANS), Bengaluru; Axxonet System Technologies Pvt. Ltd., Bengaluru; & Indian Institute of Technology Indore, IIT Indore.

- 3. Efficacy of Seeking Safety Intervention Module (SSIM) for Incarcerated Women Prisoners: A Randomized Controlled Study in Gujarat Prison System**

IMPRESS-ICSSR (Appeared for Online Presentation on 09/02/2021 before the Task Force, Awaiting Results). Budget=Rs. 10,00,777/- only.

### Journal Publications (16)

Mandal, S. P., Saha, P.K., Pandey, V., Bonal, R., Sharma, A., Arora, A. & Rajesh, V. (2024). Navigating the death attitudes and anxiety during COVID-19: Role of Dispositional Mindfulness and Tranquil Ego. *Journal of Education & Health Promotion* (Scopus Listed Journal, Citation Score-1.4, Accepted Manuscript).

Association between Callous-Unemotional Traits, Aggression & Impulsivity among Male Children in Conflict with Law (Juveniles): An Empirical Investigation. *Journal of Humanities & Social Science Studies*. 12(2), December, 2023 (UGC CARE Listed).

P.V. Viju, Saha, P.K. & Tyagi, M. (2023). Assessment of Emotional Intelligence and Empathy among Juvenile Sexual Offenders and Juvenile Offenders: A Comparative Analysis. *Junikhyat Journal* (UGC Care Listed), 13(2), December, 2023.

Raman, K., Siegert, R. J., Saha, P. K. & Krägeloh, C. U. (2021). Using Rasch analysis to explore the higher-order construct of mindfulness in a sample from India. *Mindfulness Journal*, 12, 2955-2965, 2021, September, 2021 Springer Nature (Impact Factor: 5.6).

Mohapatra, S., Saha., P. K. & Sharma, A. (2020). Until Tomorrow: The Behavioral and Neural Correlates of Procrastination. *Journal of Humanities & Social Science Studies*. Vol: 10, (1), 70-82 (UGC CARE Listed).

Saha, P. K. (2019). A Critical Account on Neuropsychology of Aggression and Mental Illness. *Journal of Liberal Studies-A Bi-Annual Journal of School of Liberal Studies*, PDP, 4(2), 185-201 (Peer Reviewed).

Patel, Z., Saha, P. K., Sharma, A. & Maniar, K. (2019). Examining the Relationship between Operational Stress, Professional Quality of Life and Coping Strategies among Police Personnel: An Empirical Investigation. *Indian Police Journal, Bureau of Police Research & Development*, 66 (3), 19-30. (UGC Listed: Sr. No.: 41365, ISSN: 0537-2429).

Saha, P. K. & Thapliyal, H. (2018). Accuracy of Memory Retrieval for Familiar and Unfamiliar Face Recognition Task: An Application to Forensic Psychology Research. *Ayan Journal*, Vol. 6, No. 2, Pg. No. 294-311 (UGC Listed: Sr. No.-49095, ISSN: 23474491).

Rodriguez, T., Saha, P. K., Pandey, V. & Dahiya, M.S. (2017). Effect of Occupational Stress on Prison Guards Personality, Cognitive Appraisal, Aggressiveness and Coping Potential: An Exploratory Study on Indian Prison System. *Indian Journal of Criminology* (Pg. No. 33-47), Volume 43 (1) & (2) (UGC Listed Sr. No.: 42048, ISSN: 09747249).

Saha, P. K. & Shah, S. (2016). Temporal Continuity in Emotional Facial Expression and Emotional Naturalistic Scene Perception: A Behavioral Analysis. *Journal of Humanities & Social Science Studies*. Vol.5 No. 4. (UGC CARE Listed).

Saha, P. K. & Gopalakrishnan, K. (2016). Assessment of Empathy, Impulsivity and Aggressiveness among Juvenile Offenders and Non-offenders: An Indigenous Investigation. *Journal of Mind & Society, A Refereed Research Journal of Social Science and Humanities*, 5(4), 7-15 (Peer Reviewed).

Saha, P. K. (2016). Occupational Stress, Coping Strategies and Shift work Tolerance in

Policing. *Journal of Humanities & Social Science Studies*, Vol. 5 No. 2, June 2016, P. No. 31-45. (UGC CARE Listed).

Kalpana, R., Dey, B. & Saha, P. K. (2015). Effect of Rajyoga Meditation on Executive Functions: Comparative Analysis between Meditators & Non-Meditators. *Journal of Gorakhpur Social Scientist (Special Edition on International Yoga Day)*, 6(1), 22-29 (Peer Reviewed).

Saha, P. K., Tyagi, M., & Tomar, P. (2015). Role of Emotional Intelligence in Juvenile Sexual Offenders: A Critical Appraisal. *Journal of Humanities & Social Science Studies*, 4(2), 28-42. (UGC CARE Listed).

Saha, Proshanto Kr., Tiwari, T., & Singh, Indramani L. (2012). Perceived Mental Workload in a Simulated Task: Psychophysiological Evidence. *Journal of Indian Academy of Applied Psychology*, 38(3), 220-233, (UGC Care Listed).

Saha, Proshanto K. (2012). Cognitive control during visuospatial switching attention task performance. *Indo-Indian Journal of Social Science Researches*, 8(1), 16-28. (Peer Reviewed).

Singh, Indramani L., Singh, Anju L., Tiwari, T., & Saha, Proshanto Kr. (2008). Multi-task Performance in Computer-aided Systems: An Appraisal. *Journal of Indian Academy of Applied Psychology*, 34(1), 115-125, (UGC Care Listed).

#### **Published Books: 2**

Saha, P.K. (2016). *Neuropsychology of Emotional Regulation in Offenders: Theoretical Perspectives*. Educational Books & Periodicals, Ahmedabad, ISBN: 978-81-932463-0-6.

Saha, P.K. (2016). *Forensic Psychology & Its Applications: An Indian Perspective*. Vista Publishers, Ahmedabad, ISBN: 978-93-82935-37-7.

#### **Conference Proceedings: 2**

Singh, Indramani L., Singh, Anju L. & Saha, Proshanto K. (2007). Monitoring performance and mental workload in an automated system. *Engineering Psychology and Cognitive Ergonomics, Lecture Notes in Computer Science*, Springer Berlin/Heidelberg, 4562/2007, 978-3-540-73330-0, 426-435.

#### **Journal Supplements: 1**

Singh, Indramani L., & Saha, Proshanto Kr. (2009). "EEG bandwidths in automation induced complacency". *Annals of Neurosciences, An Official Journal of Indian Academy of Neurosciences*, Supplement, Volume 14, 2007, ISSN 0972-7531, (P131, P.No.-138).

#### **Extra-curricular Activities (including the Administrative Posts),**

1. IBS-Nodal Officer, IBS-RTI Officer, Member of University IQAC.
2. Member of University Anti-Ragging Committee & Library Committee.
3. IBS Departmental Cultural Committee Co-ordinator.
4. Conducted consecutively 3 years annual University sporting events. Nominated for organizing First and Second Convocation of GFSU in various committees. Organized three year consecutively Annual Day Function in the University.
5. Organizing Journal Club Presentations (Joint Journal club Co-ordinator for IBS, 2013-17), Blood donation camp (2015), Bharat Swachh Abhiyan, Swachhta Pakhwada (2017) International Yoga Day celebrations (21<sup>st</sup> June, 2015, 2016 & 17).
6. Associate Dean, SDSR, NFSU, Gandhinagar & Centre Head, CHWB (Centre for Happiness & Well-being), SBF, NFSU Gandhinagar.

**Research Guidance (Supervision/Co-Supervision)****M. Phil. Dissertations (Completed-9)**

<b>Name of Candidate &amp; Program</b> (M.Phil Forensic Psychology (MPFP) / M.Phil. Clinical Psychology (RCI-MPCP))	<b>Topic</b>
Ms. HimadriThampliyal (MPFP-17)	Accuracy of Memory Retrieval for Familiar & Non-familiar Face Recognition Task: A Behavioral Study.
Ms. SanahSaxena (MPFP-17)	Characterizing Adolescent Aggressive Behavior with Self-esteem, Emotional Regulation & Callous-unemotional Traits: An Exploratory Study on Indian Students.
Ms. Tania Rodriguez (MPFP-17)	Effect of Occupational Stress on Prison Guards Personality, Cognitive Appraisal, Aggressiveness & Coping Potential in Prison System.
Ms. MansiKulkarni (MPFP-17)	Role of Psychophysiology in Forensic Investigation: Deception Detection in Mock Crime Scenario.
Ms. Van Devi (MPFP-16)	Occupational Stress, Coping Strategies & Shiftwork Tolerance among Male & Female Police Personnel.
Mr. Kiran K. Gopalakrishnan (MPFP-16)	Empathy, Aggression & Impulsivity among Juvenile Offenders & Non-offenders.
Mr. MohitTyagi (MPFP-15)	Role of Emotional Intelligence & Empathy among Juvenile Sexual Offenders, Juvenile Offenders & Non-Offenders.
Ms. PoojaTomar (MPFP-15)	A Comparative Study of Response Inhibition & Executive Functioning among Violent Juvenile Offenders, Non-violent Juvenile Offenders & Control Group.
Ms. Kalpana Raman (MPCP-15)	Effect of Rajyoga Meditation on Human Executive Functioning.

**Ph. D. Supervision**

<b>Name of Candidate &amp; Date of Registration</b>	<b>Title of Dissertation</b>
Ms. Anukampa Sharma Registration No.: Ph.D./IBS/PS/01 Date: 24 <sup>th</sup> November, 2017 Awarded in October, 2023	Effect of Confabulation, Misinformation & Emotional Response in Memory Consolidation Process: A Forensic Electrophysiological Investigation
Ms. Viju Rajesh Registration No.: Ph.D/BS/PS/03 Pre-submission Scheduled for Jan, 2024	Assessment of Emotional Regulation, Impulsivity, Callous-Unemotional Traits, Aggression, Empathy and Risk Factors for Reoffending among Juvenile Offenders – An Exploratory Study

**Master's Dissertation:** Completed more than 40.

**Faculty Development/Orientation Programme**

Participated in the four-week **UGC sponsored Orientation Course at Human Resource Development Centre, Jawaharlal Nehru University (JNU), New Delhi 09-10-2017 till 03-11-2017 securing A (75%+) Grade.**

**Invited Lectures/Resource Person during Seminar/Workshops**

**Resource Person on 1 day (2023), MMV, National Workshop.**

**Resource Person for 1 day (2022): AMU, National Seminar.**

**Resource Person for 1 day (2021): PDPU, invited talk on National Seminar.**

**Resource Person for 1 day (2020): PDPU, invited talk on National Seminar.**

**Resource Person for 1 day (2019): PDPU, invited talk on National Seminar.**

**Resource Person for 1 day (2018), National Workshop on EEG/ERP Signals-Methodology, Recording & Analysis 24th February, 2018, at Arya Mahila Degree College (affiliated to Banaras Hindu University), Varanasi, India.**

**Resource Person for 7 days (2017), National Workshop on EEG/ERP Signals-Methodology, Recording & Analysis 15<sup>th</sup> May, 2017 till 22<sup>nd</sup> May, 2017, at Department of Psychology, Aligarh Muslim University, Aligarh, U.P., India.**

**Resource Person for 1 day (2016), National Seminar on “Role of Forensic Psychology in Investigation of Criminal Behavior”, 20<sup>th</sup> April, 2016, at Pandit Deendayal Petroleum University (PDPU), Gandhinagar, Gujarat.**

**Resource Person for 2 days (2015) National Seminar on “Forensic Psychology: Issues and Importance in Criminal Justice” 18th September to 19th September, 2015 Sardar Patel University of Police and Criminal Justice (SPUP), Jodhpur (Rajasthan)**

**Resource Person for 3 days (2014) (08.11.14-10.11.14) National seminar on " Forensic Psychology and Forensic Evidences: Issues and Application" at Sardar Patel University of Police, Security and Criminal Justice (SPUP), Jodhpur (Rajasthan).**

#### **Conference/Seminar Conducted as Organizing Secretary/Committee Member**

- Organized CNSI (2020) at School of Behavioural Sciences, National Forensic Sciences University, January, 2020.
- Organized CRPF (2020) online workshop in March, 2020 at School of Behavioural Sciences, National Forensic Sciences University.
- Qualitative Analysis (2020) online workshop in October, 2020, School of Behavioural Sciences, National Forensic Sciences University.
- Organized Continuing Rehabilitation Education (CRE-RCI Recognized) Workshop on **“Cognitive Training in Traumatic Brain Injury Patients” (2017)** for two days from 1<sup>st</sup> to 2<sup>nd</sup> December, 2017, at Institute of Behavioral Science, Gujarat Forensic Sciences University, Gandhinagar in Collaboration with National Institute for Empowerment of Persons with Multiple Disabilities (NIEPMD), Chennai in the capacity of **Organizing Secretary**.
- Organized the **International Conference on Forensic Sciences & Cyber Security (2017)**, 5<sup>th</sup> to 6<sup>th</sup>, October, 2017 at Gujarat Forensic Sciences University in collaboration with Bureau of Police Research & Development (BPR&D), New Delhi, Govt. of India as being part of Scientific Committee and Transport Committee.
- Organized and successfully conducted the **National Seminar on Cyber psychology (NSCP-2015)**, **“Transformation of Experience and Mental Health in Connecting the Tech-fed Virtual to the Real World”** from February, 20-21, 2015 at Gujarat Forensic Sciences University, Gandhinagar, Gujarat, India in the capacity of **Organizing Secretary**.

**DST- SERC- Project Evaluator Expert-2016 onwards.**

**Journal Reviewer in National Journals (JHSS) and Invited Reviewer in International Journals (Cogent Psychology, Neuropsychology Journals)**

#### **Conference: Presentations**

1) Dr. Proshanto Kr. Saha and Ms. Priyanka Samuel, Assistant Professors at SBS, NFSU supervised the M. Phil. dissertation of Mr. Mansoor Jamshed, a student of M. Phil. Clinical Psychology, SBS, NFSU which was presented at 47th National Annual Conference (virtual mode) of Indian Association of Clinical Psychologists (NACIACP-2020), AFMC, Pune, Maharashtra, 28<sup>th</sup>-30<sup>th</sup> May, 2021.

2) Dr. Proshanto Kr. Saha, Assistant Professor at SBS, NFSU participated in a three day virtual National Workshop on “How to promote Mental Health during Covid-19 by using Psychological Techniques” Organized by Department of Psychology, Kirodimal Govt. Arts &

Science College, Raigarh (C.G.) in association with IQAC & NCC from 12th June 2021 to 15th June 2021.

1. Saha, P. K. (2019). Brain potentials during emotional facial expressions and scenes: An EEG/ERP study. International Conference of Organization of Human Brain Mapping, Rome, Italy, June 9-13, 2019.

3). Saha, P. K., Naveena, R. & Pandey, V. (2018). Neural Correlates of Emotional Face Recognition: An Event Related Potential Investigation. International Conference of Mental Health and Sustainable Development, Department of Psychology, Aligarh Muslim University, March 24-25, 2018.

4). Naveena, R., Pandey, V. & P. K. Saha. (2018). Temporal Continuity in Emotional Facial Expression Recognition Task: A Behavioral Analysis. Awarded Best Presentation Award during International Conference on Psychology, Health & Medicine, Amity University, Jaipur Rajasthan, from February 2nd to 4th, 2018. (Winner of Best Presentation Award).

5). Pandey, V., Saha, P. K. & Naveen, R. (2018). Electrophysiological Correlates of Cognitive Workload during Music Perception: Re-visiting Mozart Effect. Awarded Best Presentation Award during International Conference on Psychology, Health & Medicine, Amity University, Jaipur Rajasthan, from February 2nd to 4th, 2018.

6). Seshadri. A.K., Sukhsarwala. S., P.K. Saha. (2016). Is Meditation Susceptible Or Invulnerable To False Memory Formation?. International Conference Recent Advances in Cognition and Health (ICRACH-2016), Department of Psychology, Banaras Hindu University, February 6th-8th, Varanasi, India.

7). Batul, S., Ashwini, K.S. & Saha, P.K. Role of Semantic Interpretation during False Memory Task. Silver Jubilee 25th Convention of National Academy of Psychology 2015-16 (February 25, 2016) Theme: Towards Integrative Psychological Science for Human Welfare Organized Jointly by Department of Psychology & Centre of Behavioral and Cognitive Sciences (CBCS) University of Allahabad, Allahabad, India.

8) Saha, P.K., Earla, P., Chowdhary, A. & Dhadhich, C. Role of Emotional Valence of Visual Working Memory in Social Anxiety: A Behavioral and ERP Study. International Conference in Psychology, Work, Stress and Health: Recent Perceptions, Future Trends, 15 and 16 October 2015 in St. Bede's College, Shimla.

9). Hussain, A. & Saha, Proshanto.K. Cyberstalking: Exploring the Cyber syndicate, "National Seminar on Cyberpsychology". February, 20th-21st, 2015, Institute of Behavioural Science, Gujarat Forensic Sciences University, Gandhinagar, Gujarat-382007 (Won Best Presentation Award).

10). Chakroborty, D., Palwanker, P. & Saha, Proshanto.Kr. Virtual Trust in Social Networking Sites and Impact of Phishing: A Forensic Psychological Investigation. "National Seminar on Cyberpsychology." February, 20th-21st, 2015, Institute of Behavioural Science, Gujarat Forensic Sciences University, Gandhinagar, Gujarat-382007.

11). Sharma, A., Dosaya, D. & Saha, Proshanto.Kr. Memory Detection during Guilty Knowledge Test: A Forensic Application of Psychophysiology. "International Conference on Recent Advances in Cognition and Health". January 23rd-25th, 2014, Department of Psychology, Banaras Hindu University, Varanasi-221005.

12. Saha, Proshanto.Kr. & Mukundan C.R. Response Inhibition: Implications for Criminal Investigation. 9th National Conference of the Society for Clinical and Experimental Hypnosis, India. October 25th-27th, "2013 at Jawaharlal Nehru University (JNU), New Delhi.

13). Proshanto K. Saha & Indramanil Singh. Cognitive control of attention during visuospatial and auditory switching attention task. "Golden Jubilee Year of Indian Academy of Applied Psychology (IAAP) 47th National and 16th International conference of the Indian Academy of Applied Psychology (IAAP) 15th-17th June 2012", Department of Psychology, TOC-H



Institute, Ernakulam, Cochin, Kerala, India.

14). Proshanto Kr. Saha, & Indramani L. Singh. Task-Set Reconfiguration and Cognitive Control of Attention. International Conference on Recent Advancement in Cognition & Health, January 23rd-24th, 2012, Department of Psychology, Banaras Hindu University, Varanasi - 221005.

15). Proshanto Kr. Saha, Trayambak Tiwari & Indramani L. Singh. Perceived mental workload in a simulated task: psychophysiological evidence. Poster presented in the Indian Science Congress Association, 4th-7th January 2012, at KIIT University, Chintan Building, Campus-4, Patia, (Indian Science Congress Association, ISCA-2012), Bhubeshwar, Odisha, India.

16). Indramani L. Singh, Proshanto Kr. Saha & Anil Yadav. Psychophysiological Approaches to Understand Human Performance. “Brain Storming Meeting on Translational Neuroscience” September, 17th-18th, 2011 at Brain Research Centre, Department of Zoology, Centre of Advanced Study, Faculty of Sciences, Banaras Hindu University, Varanasi-221005, India.

17). Proshanto Kr. Saha & Indramani L. Singh. Complacency and Mental Workload in Human Automation Interaction: An Attentional Integration. International Conference on Advances in Military Psychology: Soldier Preparedness. March 10-12, 2011, Jointly by DIPR, DRDO and NAOP at Institute for Defence Studies and Analysis (IDSA), Rao Tula Ram Marg, New Delhi, India.

18). Indramani L. Singh & Proshanto Kr. Saha, Dynamics of Human Automation Interaction: Perceived Mental Workload & Monitoring In-efficiency in an Automation Aid, International Conference on “Recent Advances in Cognitive Science” Department of Psychology, Banaras Hindu University, Varanasi-221005, December 18–20, 2010.

19). Proshanto Kr. Saha & Indramani L. Singh. Pedunclopontine Tegmental Nucleus (PPTgN) and Visuospatial Attention: Some Theoretical Reflections. International Symposium on Brain Aging & Dementia: Basic & Translational Aspects” Department of Zoology, Banaras Hindu University, Varanasi-221005, November 29–30, 2010.

20). Singh, Indramani L., & Saha, Proshanto Kr. (2009). “Psychophysiological correlates, individual differences, mental workload and flight simulation task performance”. ISCSM (International Symposium on Cognition, Stress & Mental Health), Department of Psychology, Banaras Hindu University, Varanasi-221005, India, December 14-16, 2009.

21). Singh, Indramani L., & Saha, Proshanto Kr. (2008). “Electrophysiology (EEG) of Human Monitoring Behavior in Automation-Induced Complacency”. National Conference on Recent Advancements in Cognitive Science, December, 19-21, 2008, Department of Psychology, Banaras Hindu University, Varanasi-221005, India.

22). Singh, Indramani L., & Saha, Proshanto Kr. (2007). “The Concatenation of Four P’s in Indian Framework of Cognition”, National Seminar in Indian Psychology: Theories and models. SVYASA, Bangalore, India.

23). Singh, Indramani L., & Saha, Proshanto Kr. (2007) “EEG bandwidths in automation-induced complacency”. Poster in the International Symposium on Advances in Neurosciences & Silver Jubilee Conference of Indian Academy of Neurosciences, Banaras Hindu University, Varanasi, India.

24). Singh, Indramani L., & Saha, Proshanto Kr. (2007) “EEG bandwidths and Human Monitoring Behavior in Automation-Induced Complacency”, National Academy of Psychology (NAOP). Indian Institute of Technology, Kanpur, India.

25). Saha, Proshanto Kr., & Srinivasan, N. (2007) “Letter Identification & Crowding in Devanagari and English Letters”. National Conference on Applied Cognitive Psychology, Indian Statistical Institute, Kolkata, India.

26). Singh, Indramani L., & Saha, Proshanto Kr. (2007). Fitting the machine to the user:

Cognitive Perspective on Automation. International Conference of Indian Academy of Applied Psychology (IAAP-2007) at Jamia Millia Islamia University in New Delhi, India. 27). Singh, Indramani L., Singh, Anju L., Tiwari, T., & Saha, Proshanto Kr. (2006). Monitoring efficiency in computer-aided systems. Poster in the 2nd International Conference on Cognitive Science. Centre for Behavioral and Cognitive Sciences, University of Allahabad, Allahabad, India.

### Conference: Attended

1. Attended the OHBM (Organisation of Human Brain Mapping) Annual Meeting at Singapore from June 18th till June 22nd, 2018.
2. Attended the Italian Institute of Technology special Research Seminar - Tuesday 27 November 2012, on topics Functional MRI imaging of the rodent brain, Neuroimaging studies in transgenic mouse models: linking genes, anatomy and function, and Opto-fMRI: optogenetic and functional mapping of neural substrates of plasticity in the central nervous system.
3. Attended the Ist Herbert Simon Society Workshop, 10th of September, 2012, Fondazione Bruno Kessler, University of Trento, Italy.
4. Attended the 28th All India Conference of Linguistics, 02-04 November 2006, Banaras Hindu University, in collaboration with Central Institute of Indian Languages, Mysore, India.
5. Attended and volunteered for the 1st International Conference on Cognitive Science held at the Centre for Behavioral and Cognitive Sciences, University of Allahabad, Allahabad, India from December 10–12, 2005.

### Technical Reports Submitted to Funding Agencies

Submitted the annual progress report of the three years project entitled, *Psychophysiological correlates, Individual differences, mental work load and flight Simulation task performance* (with Prof. I.L. Singh). (Three-year annual progress report) Technical Report DRDO–CSL/PSY-P-31/34–2006-09, New Delhi, (No. LSRB- 95 /EPB / 2006).

### Neuroscience Schools

1. Participated in the IBRO-APRC School of Neuroimaging, 29th November - 10th December, 2010, at National Brain Research Center, Manesar, Haryana, India. Covering the theme: "Study of Human Brain Structure and Function using Magnetic Resonance Imaging and Spectroscopy." The school included lectures, lab practical and training session, interactive discussion groups and social activities.
2. First SERC (Science and Engineering Research Council) School in Neurosciences, Department of Pharmaceutical Sciences, RTM Nagpur University, January 27th till February 13th, 2008 funded and sponsored by International Brain Research Organization (IBRO) and Department of Science and Technology (DST), Govt. of India.

### Workshops

1. National Workshop on “Extraction of Information from Suspects & Accused for Forensic Applications” application of Brain Electrical Oscillations Signature (B.E.O.S) Profiling Technique from January 08th to 10th, 2016 at Institute of Behavioral Science, Gujarat Forensic Sciences University, Gandhinagar-382007, Gujarat, India.
2. Attended the Neuropsychology Workshop at Bengaluru, February, 2014.
3. “EEG/MEG data analysis workshop using FieldTrip” by Robert Oostenveld and Roemer van der Meij from Donders Institute for Brain, Cognition, and Behaviour, Radboud University Nijmegen, Netherlands. It was three-day lectures and hands-on data analysis coursework training on

neuroimaging data analysis at CIMeC-Center for Mind/Brain Sciences, Università degli Studi di Trento, via delle Regole, 101, Mattarello (TN) – ITALY from October 22nd to 24th, 2012.

4. “fMRI Data Analysis using Brain Voyager” four days extensive training at Laboratory of Neuroimaging, CiMeC, Mattarello, University of Trento, Italy from October 8th to 11th, 2012. The course covered creating anatomical and functional projects, analysis of anatomical datasets (inhomogeneity correction, Talairach transformation, segmentation of the cortical sheet), data preprocessing (realignment, slice time correction, temporal and spatial filtering, coregistration, creating 4D datasets), analysis of functional data (creating protocol files, creating regressors, analysis by means of the general linear model) and scripting of batch jobs in Brain Voyager using Matlab, along with analyzing fMRI data in Matlab using BVQX tools.

5. “Values for Integrated Human Development” two-week evening workshop (2011-12, for research scholars and teachers), November 01st-16th, 5:00 pm-7:00 pm at Malaviya Centre for Ethics and Human Values, Shyama Charan De House, Malaviya Bhawan Complex, Banaras Hindu University, Varanasi-221005.

6. “Research Methodology in Area Studies” one-week workshop (2011), October 31st to 6th November, 09:00 am to 2:00 pm at Centre for the Study of Nepal, Banaras Hindu University, Varanasi, India.

7. Third International Workshop on Visual Attention, October 1st to 5th, 2011 at Centre of Behavioral and Cognitive Sciences (CBCS), UGC Centre of Excellence, University of Allahabad, Allahabad, India.

8. National Workshop on Qualitative Analyses in Psychological Researches, Friday, November 27, 2009, Department of Psychology, Banaras Hindu University, Varanasi-221005, India.

9. Methods in Cognitive Neuroscience, Center for Behavioral and Cognitive Sciences (CBCS, UGC Programme of Excellence), April 7-8th, 2006, University of Allahabad, Allahabad, India.

### Research Skills

1. Designing of Cognitive Electro physiological Experiments (EEG/ERP - 64, 32, and 21 channels machines) based on ERP/MEG paradigms.
2. Expertise in Behavioural Experiments. Good Knowledge of Superlab, DirectRT, EPrime, and MediaLab, Cognitive and Psychological research/stimulus presentation software's.
3. Good knowledge of Statistical Analysis using SPSS, R (Stats), and SysStats.
4. Familiar with eye movement research using eye tracking machines.
5. Familiar with programming in MATLAB.
6. Familiar with Psychophysics toolbox and EEG Toolbox (MATLAB).
7. Familiar with Python, Genetic Algorithms, Cellular Automata.
8. Conducted Neuropsychological Testing and Assessment.
9. Familiar with Immunocyto chemistry, Cardiac Perfusion, and Fixation & Stereotaxy of Rat Brain.
10. Familiar with techniques in functional Magnetic Resonance Imaging (f-MRI) and SPM, Brain Voyager data analysis neuroimaging software's.
11. Familiar with Factor Analysis and AMOS.
12. Familiar with Neuropsychological Assessments.

### Research Interests

Cognitive Neuroscience of Attention, Emotion and Working Memory  
 Child Sexual Abuse, Criminal Profiling and Forensic Investigations  
 Human Automation Interaction (HAI)

### Skills and Abilities

Fluent English, Bengali (Mother Tongue) and Hindi  
 Preliminary Lessons in Italian

English Letter Typing (60-70 wpm)  
Sketching, Poems and Story writing during free hours

**Service to the profession**

Helped to organize the Banaras Hindu University Psychology Alumni Association Meet, Varanasi, 2007 and 2008 (Specific) Registration Desk and Media Relations.

Volunteered for Research Methodology Symposium & Workshop organized by Faculty of Social Sciences, Banaras Hindu University, Varanasi, 2007.

Helped to organize the International Conference on Cognitive Science, Allahabad, 2004 (Specific) Media Relations.

**Professional Memberships**

Organization of Human Brain Mapping (OHBM-2018-24)  
Indian Academy of Neuroscience (IAN, Life Member)  
International Brain Research Organization (IBRO) National  
Academy of Psychology (NAOP, India 2017)  
Indian Academy of Applied Psychology (IAAP, 2017-18)  
BHU Psychology Alumni Association (Life Member)

**Social Activities**

1. Raised donations for the poor Cancer & Tuberculosis patients, under Aid, Cancer & Tuberculosis Society Lucknow, India.
2. Participated in Animal & Green Life Conservation Unit launched by Forest Deptt. & Trees for Life, Allahabad, India.
3. Contributed to the flood relief fund for Indian States under Calamity Fund Raising Organization at BHU, Varanasi, India.

**Extra-Curricular Activities**

1. Good footballer - Forward and Centre Half (School House Captain both in Higher and Senior Secondary Schools).
2. Secured 2nd position in Regional Volleyball Meet held at Regional Sports Meet, K.V. Air Force station, Allahabad.
3. Participated in the Malviya Centre for Peace Research, BHU in collaboration with Dr. Dilli Raman Regmi Foundation, Kathmandu for Best Research Paper titled Dr. Dilli Raman Regmi Young Scholar Award on March 23rd, 2012. Topic of the presentation was entitled "Women Empowerment in South Asia: Role in Conflict Resolution and Development".
4. Ping-Pong (Table Tennis) at wee hours.
5. Conducted Annual Sports Meet at GFSU for consecutive 4 years (2014-2017).

**Future Goals and Objectives**

Contribute to the growth of knowledge and wisdom via good quality research for comprehending the human cognition and behavioral approaches. And let those experiences and vision be shared by other contributors of this field in the form of publications and presentations.