



PES
UNIVERSITY



**Centre for Research in
Pattern Recognition and Machine Intelligence**

Funded by

**Karnataka Council for Technological Upgradation
Industries and Commerce Dept., Govt. of Karnataka**



• COMPLETED PROJECTS

- Driver Drowsiness System
 - Resulted in a Start-up
- Haptic Glove for VR
 - Technology Transfer to ABB (in progress)
- Machine Learning Algorithms for Person Identification
 - Technology Transfer to FSL (in progress)

• ONGOING PROJECTS

- Invariant Face Recognition
- Denoising of Cabin Crew Announcements (Patent filed in 2018)
- Using Drone for Visitor Navigation (Patent filed in 2018)
- Smart glasses (Patent filed in 2018)

• OUTCOMES

- Incubated **TWO** start-ups
- **08** Patents Filed by **05 teams**
- Scopus indexed Research Publications: **15 in last six months**
- Total Publications: **32**
- No. of students beneficiaries: **32+**
- Brand Value: Work carried out by students of CRPMI have been published in various newspapers / TVs.



• ORAL PRESENTATIONS AT



• PUBLICATIONS AT



ELSEVIER



Association for
Computing Machinery



Summer Research Expedition 2018 (SRE) @ CPRMI

**This Summer Take a Deep
Dive into the Ocean of
AI, Machine Learning and
Deep Learning**

Summer Research Expedition 2018 is



Summer Research Expedition 2018 is



Applications of Machine Learning



Image & Speech
Recognition

Medical Diagnosis

Statistical Arbitrage

Learning Associations



Classification

Prediction

Extraction

Regression



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- **MENTORS OF PESU @ CPRMI**

- Dr. K N Balasubramanya Murthy, Vice-Chancellor, PESU
- Dr. S Natarajan, KRP and Professor, Dept. of CSE, PESU
- Vinay.A, Associate Professor, Dept. of PG Studies in CSE, PESU and Special Officer - PESU

• MENTORS FOR SRE @ CPRMI

- Akshay Kumar C, Co-Founder , Visio AI
- Rajesh Bhat, Statistical Analyst at WalmartLabs India | Kaggle Expert | Deep Learning Nanodegree course
- Sumanth Prabhu Statistical Analyst at WalmartLabs India
- Pratheek Mahishi, Co-Founder and CTO, Stride.AI



- **MENTORS FOR SRE @ CPRMI**

- Two Mentors from Spookfish – A Vision based company
- Many more mentors on the way....
- **PEER / STUDENT MENTORS OF CPRMI**

• PREREQUISITES FOR SRE @ CPRMI



- Programming : Python / C / C++ / Matlab / Opencv
- Technical content writing
- Analytical Thinking
- Strong Math background
- ZEAL TO LEARN AND DO THINGS
- Completed Course → DIP / ML / AI / Signal Processing (optional)



- **REGISTER FOR SRE @ CPRMI**

- RESUME

- SOP



Mail id: cprmi@pes.edu

Deadline for Registrations : May 25, 2018



- Commencement of SRE 2018



We look forward to seeing
you soon...