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PatentPublication :

1. **Title:** IVC-Detection: INTELLIGENT VEHICLE CRASH DETECTION USING MACHINE LEARNING, **Application No:** 201941050822, (Published date: 27/12/2019).
2. **Title:** I-Switch: Intelligent Switch using IR Receiver and IR Transmitter, **Application No:** 201921005023,**Reference no:** E-101/1958/2019-MUM dated on 08/02/2019. (Published date: 07/06/2019).
3. **Title:**I- Mobile Case Charger: Intelligent Mobile Phone Protective Case and Charger,**Application No: 201941016288** dated on 03/05/2019.
4. **Title:**IOT-C- Crime: IOT Technology can control Crime,**Application No**: 201921009936 **Reference no:** E-101/3551/2019-MUM dated on 14/03/2019.

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2. **P. Balamurugan** A. Subramani and K**.** Balamurugan,"Power Alert Newscast Planning for Guaranteeing Reliability in Mobile Wireless Sensing Element Networks " Cluster Computing, The Journal of Networks, Software Tools and Applications, **Springer SCI,**ISSN 1573-7543, Vol.22 Issue 84,pp.1-15,2018.(https://doi.org/10.1007/s10586-017-1583-z)**(Impact Factor: 2.040)**

3. N. Saravanan A. Subramani and **P. Balamurugan**," Optimal route selection in MANET based on particle swarm optimization utilizing expected transmission count" Cluster Computing, The Journal of Networks, Software Tools and Applications,**Springer SCI indexing,**ISSN1573-7543,Vol.22 Issu84e. PP.1-12, 2017(https://doi.org/10.1007/s10586-017-1445-8)**(Impact factor: 2.040.)**.

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