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| Award application form | | | | | | | |
| Project Title | | Smart | | | | | |
| Name of the College | | MGM College of Engineering & Pharmaceutical Sciences,  Valanchery, Malappuram | | | | | |
| Address | | MGM College of Engineering & Pharmaceutical Sciences,  Valanchery, Malappuram,kerala-676552 | | | | | |
| Country | | India | State | | kerala | | |
| Pin code | | 676552 | Website | | https://mgmtc.in/service/engineering-college-in-malappuram/ | | |
| Phone No | | 7034088111 | Email | | mgmcep@gmail.com | | |
|  | | | | | | | |
| team details | | | | | | | |
| Guide Name | Nahan Rahman M K | | | Designation | | Asst Professor | |
| Email |  | | | Phone | | | 9562909070 |
| Guide Name (Sub) | Shabna M | | | Designation | | | Asst Professor |
| Email |  | | | Phone | | | 8086776706 |

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| --- | --- | --- | --- | --- |
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| Email |  | Phone |  | |

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| Give two page Abstract of the Project (Not exceeding 450 words, charts/drawings may be annexed) |
| **ABSTRACT**  A Smart Home Automation system gives versatility to our life. A well-derived  system can control anything from daily home appliances to our entertainment  systems. Usually a home automation system has different set of connected  devices and user has to control and monitor these devices through a mobile App  or tablets, but that is not so smart, Smart homes must be artificially intelligent  systems that need to adapt themselves based on user actions and surroundings.  The systems need to be aware of needs of users and the surroundings in order to  predict future actions and also reduce user interaction with the system.  Established home automation systems that provide only remote access and  control is not that effective in terms of being `smart'.  So in our paper we put forward the concepts of supervised machine learning,  Emotion Recognition and Neural wave sensing to build a better intelligent Smart  Home system to control our daily home routines to full-fledged workplace  Experience  Index Terms: - Home automation, Emotion Recognition, Neural wave Sensing,  Supervised learning, Smart Home System. |

**Award Rules:**

1. There is no fee for participation.
2. The contest is open to all B.E/B.Tech/MCA/M.Sc.Computer Science students from affiliated colleges/universities worldwide.
3. Participation is open to teams which can have up to five members. Team members can be from any semester, but from the same Institution. There should be a faculty member for each team as the Team Guide.
4. Teams must submit a two page abstract of their project in a specified format. (This Application)
5. The project must be an original work.
6. The copy of the abstract should be submitted online at [http://csiawards.inapp.com/apply/](http://csiawards.inapp.in/apply/) on or before 23 Feb 2021.
7. The winners are decided based on a two stage expert evaluation. The first stage evaluation of abstract is based on the project idea and its implementation prospects.
8. The winners selected for second round presentation will be intimated by 19 March 2021 via email.
9. The second round evaluation will be through video conferencing.
10. The final stage of evaluation is the demonstration of the software project before the judging panel which will also be conducted through video conferencing.
11. Project entries will be evaluated based on factors such as Innovativeness, Feasibility and Relevance.
12. The decisions of the award evaluation committee shall be final.

**Prizes:**

* First Prize: Award Instrument and ₹ 50,000
* Consolation Prize: Award Instrument and ₹ 25,000
* Placement opportunities and Cash prizes for all finalists