

IIC@KEC - Science Day Project Expo 2k19- Hardware Category

The following are the Top Twenty teams which have been shortlisted under Hardware category in the Science Day Project Expo 2K19 organized by IIC@KEC on 28.02.2019. These 20 teams are being promoted to next level and will be attending the Boot Camp under TBI@KEC for further fine tuning of their product.

Note: The list is ordered department wise and does not indicate any ranks.

| Sl. No | Department | Name of the Team | Name of Team Members | Name of Guide / Mentor | Title of the Project |
|--------|------------|------------------|--|------------------------|---|
| 1. | Civil | Civil 3 | K. Keerthana S. Pragathieswari M. Ragubarman J. Rahul | Mr.A.Sivakumar | LC ³ – A Modern Era |
| 2. | | Civil 4 | C. Naveen B. MohamedAslam M.R. Mounika | Mr.A.R.Krishnaraja | Development of thin components using Engineered Cementitious Composites |
| 3. | | OZONE | Ve. Gowtham R. Dhivya N. Balaji | Dr.G.S.Rampradheep | Eco-Friendly Construction Blocks from C&D debris using the Innovative CO ₂ Sequestration Technique |
| 4. | | The Brainiacs | J. Karpagavarshini SK Jeeva P. Karthik Sundaramoorthy Santhosh Sanjay | Mrs.S.Sharmila | Eco-Friendly roofing Sheets |
| 5. | Mechanical | Mech 4 | A. Rajasekar D. Praveen Kumar A. Ranjith Kumar P. Ranjith Kumar M. Ragul | Mr. N. Prasanna | Design and Fabrication of Hybrid Still |
| 6. | | Mech 5 | M. AjayBabu P.A. Chakaravarthy S. Dharan Kumar | Mr. A. Tamilvanan | Design and fabrication of microwave pyrolysis reactor |

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| 7. | | Mech 8 | A. Ragavendran S.V. Pradeepp K.S. Nithesh Kumar S. NithishVetrivel S. Prasanth A. Prassanth | Mr.T.Ravishanker | Duster cleaner |
| 8. | | Mech9 | N. Monish L. Logesh K.K. Sabarikanth R. Harish S. Naveen D. Karan | Mr. K.V. Satheesh Kumar | Cowdung Spreader |
| 9. | | MAK Scales | M. Arunkumar | Mr. S. Karthik | Multifunctional Geometric Tools |
| 10. | | Mech11 | V. Ariharan R. Aravindprasad S. Deepan S. Chandru | Dr. K. Deepandurai | Making square furrow by using plow |
| 11. | MTS | Squabron | K. Arun Kumar S. Balasubramaniam S. Karthik K. Chidambaram S. Hariharan G. Kavinraja | Dr. C. Maheshwari | Design and Fabrication of Bio-Degradable Eatable Wheat Bran Making Machine |
| 12. | | Mechtrons | N. Nithya PrabhuKannan Manoj Selva Kumar Nandha Kumar Nishanth | Mr. S. Thangavel | Autonomous oil spill removing robot |
| 13. | AUTO | Auton 1.0 | M.S. Arun M. Aswath A. Ajay Arunachalam | Dr. P. Somasundaram | Combined Spark and Compression Ignition Engine |

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|--------|------------|------------------|---|------------------------|---|
| 14. | EEE | Sparkers | N. Banupraba S. Manopriya N. Seenu | Dr. T. Gunasekar | Smart dual row turmeric planting agrobot |
| 15. | | Smart Innovators | V. Arreshbalaji R. Sowmiya M. VigneshPrabha R. GuruBalaji S.K. VidhyaBharrathy S. Nirmel | Dr. R. Meenakumari | Design and fabrication of anywhere solar shed for car |
| 16. | | Divergent | N. Prabhakaran K.M. Thiyaneshwaran P. Sasmitha Sriharini P. Karthikeyan | Mr. T. L. Logeswaran | Automatic water curing system for buildings |
| 17. | EIE | EIE6 | J. Rakshana I. Surya Narayanan K. Sriram | Mr. R. Rajkumar | Self-Optimizing Drip Irrigation System |
| 18. | ECE | H-Infinity | N. Kulothungan P. Kishore R. Manikandan | Mr. K. Senthilkumar | Zero Carbon Welding by HHO |
| 19. | | Believers | V. VikashKumar S. Suvetha P. SherliSubhiksa | Mrs. J. Vijayalakshmi | Faucet Leakage Control |
| 20. | CHEMICAL | Chem 5 | T. Mythili P. Subaranjithan N. Satheesh | Dr. V. Chitra Devi | Optimization of phytochemicals in AervaLanata JUSS.EX.SCHULT flowers by using Rotocell extractor |