



List of Publication by Students ECE -2020

| A. Books | | | | | |
|--|----------------------------|---------------|-------------------------|------------------|---|
| Title | Authors Names | ISBN Number | Publisher | Publication Date | Link |
| RF MEMS Switches: Design, Simulation, Fabrication and Characterization | S R Sastry Kalavakolanu | 9789389530360 | White Falcon Publishing | 2019 | https://store.whitefalconpublishing.com/product/s/rf-mems-switches-design-simulation-fabrication-and-characterization |

| B. Papers Published on the Proceedings of the International Conferences | | | | | | | | |
|---|---|---|------------------------|--|---|--------------------|----------------------|---|
| Title | Authors | Name | Dates | Organizer | ISBN/DOI | Index | Publisher | Link |
| A CPW Fed Patch antenna design for weather monitoring, Air Traffic control and defense tracking applications. | T.Do Saikumar ; J.Vishnu Govardhan Reddy ; V.Ravi Chowdary ; Ammam.Jaya Apurva Rani | 2020 Fourth International Conference on Computing Methodologies and Communication (ICCMC) | 11-13 March 2020 | Surya Engineering College, Erode. | 978-1-7281-4889-2 | Scopus | IEEE Digital Library | https://ieeexplore.ieee.org/abstract/document/9076385 |
| A Novel and Smart IoT System for Real Time Agriculture Applications with IaaS Cloud Computing | Jitendra Prasad Ayodhya, T B Anjaneya Prasad, CH Yuva Raju, Sai Divya Vadlamudi | International Conference on Computer Communication and Informatics (ICCCI-2020) | 22-1-2020 to 24-1-2020 | Sri Shakthi institute of Engineering and technology, Coimbatore. | 978-1-7281-4514-3 | Scopus | IEEE Digital Library | https://ieeexplore.ieee.org/document/9104160 |
| Design and Performance Analysis of Vivaldi Antenna for Medical Applications | Anji Reddy Nallapu, Ramakrishna Konda, S. Sai deep, Kata Naga Harsha | International Conference on Communication and Signal Processing | 28-7-2020 to 30-7-2020 | Om sakthi Adhiparasakthi Engineering College, Melmaruvathur-603319 | 978-1-7281-4988-2 | Scopus | IEEE Digital Library | https://ieeexplore.ieee.org/document/9182320 |
| An image processing approach for grading of mangoes based on maturity | Renuka Devireddy, Priyanka.ChRajiya Sulthana | International conference on computational performance Evaluation | 2-7-2020 to 4-7-2020 | North-Eastern Hill University, Chillong. | 978-1-7281-6644-5 | Scopus | IEEE digital Library | https://ieeexplore.ieee.org/document/9200114 |
| Dgs based ultrawide band antenna for wireless applications | G. Vijaya Kumar, I. Praveen Kumar Reddy , J.S.V. Satyanarayana, V. SaiVivek | International Conference of Advance Research and Innovation (ICARI-2020) | 19-01-2020 | Meerut Institute of Engineering and Technology | http://dx.doi.org/10.2139/ssrn.3643598 | Elsevier (Mendley) | SSRN | https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3643598 |



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|---|--|---|------------|--|---|---------------------|------|---|
| Compact diversity mimo antenna for satellite communications | Roopa Krishna Chandra, Kumar Adithya, Raghavulu, Ismail | International Conference of Advance Research and Innovation (ICARI) | 19-01-2020 | Meerut Institute of Engineering and Technology | http://dx.doi.org/10.2139/ssrn.3621958 | Elsevier (Mendeley) | SSRN | https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3621958 |
| Design of Vivaldi Antenna for Micro wave imaging | Anji Reddy Nallapu, S. Sai Deep | International Conference of Advance Research and Innovation (ICARI) | 19-01-2020 | Meerut Institute of Engineering and Technology | http://dx.doi.org/10.2139/ssrn.3621951 | Elsevier (Mendeley) | SSRN | https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3621951 |
| Design and implementation of bi-directional communication for normal and challenging people | Santhikiran B, D.Mahendra, Mohammed Salul, S.D.S.S.Chakri | International Conference of Advance Research and Innovation (ICARI) | 19-01-2020 | Meerut Institute of Engineering and Technology | http://dx.doi.org/10.2139/ssrn.3643577 | Elsevier (Mendeley) | SSRN | https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3643577 |
| A Novel and Smart Wireless Sensor Network System for Real Time Aquaculture Applications | Jitendra Prasad Ayodhya, Yuva Raju Chava, Bhimeswara Anjaneya Prasad Thati | International Conference of Advance Research and Innovation (ICARI) | 19-01-2020 | Meerut Institute of Engineering and Technology | http://dx.doi.org/10.2139/ssrn.3643578 | Elsevier (Mendeley) | SSRN | https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3643578 |
| Design and implementation of unhealthy leaf diseases detection using image processing | Raghuram Reddy Badam, M.Chirunjeevi, D.Manish Kumar | International Conference of Advance Research and Innovation (ICARI) | 19-01-2020 | Meerut Institute of Engineering and Technology | http://dx.doi.org/10.2139/ssrn.3643583 | Elsevier (Mendeley) | SSRN | https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3643583 |
| Design and implementation of artificial human hand model based on eye blink detection | Sk. MahaboobSubhani, V. Ajith, Ch. Rakesh Kumar | International Conference of Advance Research and Innovation (ICARI) | 19-01-2020 | Meerut Institute of Engineering and Technology | http://dx.doi.org/10.2139/ssrn.3643586 | Elsevier (Mendeley) | SSRN | https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3643586 |
| Semi automotive vehicle using raspberry pi | S.VenkataRakesh kumar, K.Yashwanth, E.VenkateshBabu | International Conference of Advance Research and Innovation (ICARI) | 19-01-2020 | Meerut Institute of Engineering and Technology | http://dx.doi.org/10.2139/ssrn.3643589 | Elsevier (Mendeley) | SSRN | https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3643589 |
| Optimized Beamforming by using LCMV, MVDR & PSO for Advanced 5G Application's | SaiDivya, V.Priyanka, G.Deepthi | International Conference of Advance Research and Innovation (ICARI) | 19-01-2020 | Meerut Institute of Engineering and Technology | https://ssrn.com/abstract=3525819 | Elsevier (Mendeley) | SSRN | https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3525819 |
| Automatic arduino controlled agribot for multi-purpose cultivation | G.Vijaykumar, K.Vijayalakshmi, B.Tech, CH.Pujitha, D.N.SandhyaRani, B.Tech | International Conference of Advance Research and Innovation (ICARI) | 19-01-2020 | Meerut Institute of Engineering and Technology | http://dx.doi.org/10.2139/ssrn.3643592 | Elsevier (Mendeley) | SSRN | https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3643592 |



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|---|---|---|------------|--|---|---------------------|------|---|
| Eye directive wheelchair for physically impaired people | P.Koteswara Rao, R.Bhavani,B.Tech , Sk. RehnaSulthana, ,P.Soumya. | International Conference of Advance Research and Innovation (ICARI) | 19-01-2020 | Meerut Institute of Engineering and Technology | http://dx.doi.org/10.2139/ssrn.3643595 | Elsevier (Mendeley) | SSRN | https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3643595 |
| Product Label, Obstacle & Sign Board Detection For Visually Impaired People | G. Ravi, P. PriyaDarsini, U. Naga Kavya, O. Jaswanthi. | International Conference of Advance Research and Innovation (ICARI) | 19-01-2020 | Meerut Institute of Engineering and Technology | http://dx.doi.org/10.2139/ssrn.3643597 | Elsevier (Mendeley) | SSRN | https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3643597 |
| Smart iot system for monitoring and controlling livestock parameters | Pawan Kumar, Vijay Kumar, Anil Kumar, Noble, Abhishek | International Conference of Advance Research and Innovation (ICARI) | 19-01-2020 | Meerut Institute of Engineering and Technology | http://dx.doi.org/10.2139/ssrn.3621946 | Elsevier (Mendeley) | SSRN | https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3621946 |
| Soil testing and analysis of nutrients for crop yield | Raja Ravi VarmaKoorapati, Bezaleel Joshua Kothuri, Naga Harsha Kata | International Conference of Advance Research and Innovation (ICARI) | 19-01-2020 | Meerut Institute of Engineering and Technology | http://dx.doi.org/10.2139/ssrn.3643601 | Elsevier (Mendeley) | SSRN | https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3643601 |
| Implementation of p-n learning based compression in video processing | Vasanthi K , NavyaTeja V V , Anusha D , Sri Swetha S | International Conference of Advance Research and Innovation (ICARI) | 19-01-2020 | Meerut Institute of Engineering and Technology | http://dx.doi.org/10.2139/ssrn.3643611 | Elsevier (Mendeley) | SSRN | https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3643611 |
| Design and implementation of smart helmet using iot | P.Koteswara Rao ,P.TarunSai, ,N.Vinay Kumar, ,Sk.YusufVidyaSagar, | International Conference of Advance Research and Innovation (ICARI) | 19-01-2020 | Meerut Institute of Engineering and Technology | http://dx.doi.org/10.2139/ssrn.3643615 | Elsevier (Mendeley) | SSRN | https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3643615 |
| A Secured iot Based Health Monitoring System | Y. Pavan Kumar, M.SaiTejaswi,P.Kundana Sri, M.Susmitha, T.Sunanda | International Conference of Advance Research and Innovation (ICARI) | 19-01-2020 | Meerut Institute of Engineering and Technology | http://dx.doi.org/10.2139/ssrn.3643863 | Elsevier (Mendeley) | SSRN | https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3643863 |
| Retinal blood vessel segmentation and Identification of Glaucoma using Convolutional Neural Network | N.V.Kranthi And K.Kavya | International Conference of Advance Research and Innovation (ICARI) | 19-01-2020 | Meerut Institute of Engineering and Technology | http://dx.doi.org/10.2139/ssrn.3643870 | Elsevier (Mendeley) | SSRN | https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3643870 |
| Evaluation of a novel approach for the diagnosis of BMD using CBIR and IOT | .K.Appalaraju, N.Syamala,E.Nandini,R.Divya | International Conference of Advance Research and Innovation (ICARI) | 19-01-2020 | Meerut Institute of Engineering and Technology | http://dx.doi.org/10.2139/ssrn.3644852 | Elsevier (Mendeley) | SSRN | https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3644852 |


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C. International Journals

| Title | Authors | Journal, Publisher. | DOI/ Volume | Index | Link |
|---|--|--|---|--------|---|
| Perforated serpentine membrane with AlN as dielectric material shunt capacitive RF MEMS switch fabrication and characterization | Koushik Guha, K. Srinivasa Rao, G. Venkata Hari Prasad, K. Girija Sravani, K. S. R. Sastry, Appala Raju Kanakala, P. Bose Babu | Microsystem Technologies, Springer Berlin Heidelberg Publisher. | https://doi.org/10.1007/s00542-020-04755-3 | SCI | https://link.springer.com/article/10.1007/s00542-020-04755-3 |
| Reconfigurable Antenna using Micromechanical Actuation Switches for K and Ku-Band Applications | G. Sasikala | International Journal of Engineering and Advanced Technology (IJEAT) | Volume-8 Issue-4, | Scopus | https://www.ijeat.org/wp-content/uploads/papers/v9i2/B2665129219.pdf |
| Design a Frequency Reconfigurable Microstrip Patch Antenna for Satellite Communication | Uppala Tejaswi, Sathuluri | International Journal of Recent Technology and Engineering (IJRTE) | Volume-8 Issue-4, | Scopus | https://www.ijrte.org/wp-content/uploads/papers/v8i4/D7022118419.pdf |
| A Novel Design and Simulation of U-shaped Microstrip Patch Antenna for Future 5G Mobile Communication | Jaya Apurvarani, Mera.Kavya, Sirisha.Yandapalli | International Journal of Scientific & Technology Research | Volume 9 - Issue 6, June 2020 Edition - I ISSN 2277-8616 | Scopus | https://www.ijstr.org/final-print/jun2020/A-Novel-Design-And-Simulation-Of-U-shaped-Microstrip-Patch-Antenna-For-Future-5g-Mobile-Communication.pdf |
| Reduction of Hardware Trojan Effect Using Multipath Authentication | K. Sivanagaraju , B. Chanikya , P. Ritish Kumar | International Journal of Scientific & Technology Research | Volume 9 - Issue 6, June 2020 Edition - I ISSN 2277-8616 | Scopus | https://www.ijstr.org/final-print/jun2020/Reduction-Of-Hardware-Trojan-Effect-Using-Multipath-Authentication.pdf |
| Predictive Modelling of Air Pollution using Machine Learning models and Neural Networks | Chris Peter Pallepogu, MadhuBabuRedapongala, Kishore Chandu. | International Journal of Scientific & Technology Research | Volume 9 - Issue 6, June 2020 Edition - I ISSN 2277-8616 | Scopus | https://www.ijstr.org/final-print/jun2020/Predictive-Modelling-Of-Air-Pollution-using-Machine-Learning-Models-And-Neural-Networks.pdf |
| Vlsi architecture for zero frequency filter | A. Bhargavi, P. Vijaya Lakshmi, S.J Roja , | International Journal of Advance Research and Innovation | Volume 8 Issue 2 (2020) ISSN 2347 - 3258 | Google | https://ijari.org/assets/papers/8/2/IJARI-EC-20-06-114.pdf |
| Design of wide band low-profile antenna for 5G applications | N. BujjiBabu , P.Ajay Krishna, S.V.Gowtham, K.VamsiGopi Krishna | International Journal of Advance Research and Innovation | Volume 8 Issue 2 (2020) ISSN 2347 - 3258 | google | https://ijari.org/assets/papers/8/2/IJARI-EC-20-06-115.pdf |



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|---|---|--|---|--------|---|
| Low Latency and Efficient LUT Based Multiplier for DSP Applications | K.Sri Lakshmi, S.Lalitha, C.Amulya | International Journal of Advance Research and Innovation | Volume 8 Issue 2 (2020) ISSN 2347 - 3258 | google | https://ijari.org/assets/papers/8/2/IJARI-EC-20-06-116.pdf |
| Design of Broadband Printed Dipole Microstrip Patch array antenna | Bujjibabu.Nannepaga, Nakka.Meghana , Kopanathi.Prathyusha, Gurindapalli.Blessy | International Journal of Advance Research and Innovation | Volume 8 Issue 2 (2020) ISSN 2347 - 3258 | google | https://ijari.org/assets/papers/8/2/IJARI-EC-20-06-117.pdf |
| A Novel Design of Multiband Plus Shape Slotted Microstrip Patch Antenna for Wireless Applications | G.Ruchitha, .K.SriRamya, Md.Shehanazunnisa | International Journal of Advance Research and Innovation | Volume 8 Issue 2 (2020) ISSN 2347 - 3258 | google | https://ijari.org/assets/papers/8/2/IJARI-EC-20-06-118.pdf |
| Automatic metal, plastic and other dry waste sorter and status alert | Abdul Azeem, K.JyothiPriya,J.Parimala, K.S.L.Prasanna,S.Preethi | International Journal of Advance Research and Innovation | Volume 8 Issue 2 (2020) ISSN 2347 - 3258 | google | https://ijari.org/assets/papers/8/2/IJARI-EC-20-06-104.pdf |
| Simultaneous Image Encryption And Compression Using Adaptive Bit Plane Quadtree-based BTC | K.Jyothi , E.Amulya, P.Sai Rani, | International Journal of Advance Research and Innovation | Volume 8 Issue 2 (2020) ISSN 2347 - 3258 | Google | https://ijari.org/assets/papers/8/2/IJARI-EC-20-06-105.pdf |
| Design and implementation of solar based pesticide spraying robot using iot | G.Ravi , R.Bhargav Ram , V.AdiSeshu, | International Journal of Advance Research and Innovation | Volume 8 Issue 2 (2020) ISSN 2347 - 3258 | Google | https://ijari.org/assets/papers/8/2/IJARI-EC-20-06-106.pdf |
| HOME AUTOMATION USING RASPBERRY PI, iot AND ALEXA | P.Bajibi, , V.Divya, ,K.RatnaGeethica, | International Journal of Advance Research and Innovation | Volume 8 Issue 2 (2020) ISSN 2347 - 3258 | Google | https://ijari.org/assets/papers/8/2/IJARI-EC-20-06-107.pdf |
| Multiple person Detection and Tracking using Convolutional Neural Network | Sultana, P.Hemalatha, E.Keerti | International Journal of Advance Research and Innovation | Volume 8 Issue 2 (2020) ISSN 2347 - 3258 | Google | https://ijari.org/assets/papers/8/2/IJARI-EC-20-06-108.pdf |
| Classification of rice grains using svm and cnn | K. Srinivasa Rao , MuraliKrishna.Talari, Rajendra Kumar Pedapudi, SaiCharan.Akula | International Journal of Advance Research and Innovation | Volume 8 Issue 2 (2020) ISSN 2347 - 3258 | Google | https://ijari.org/assets/papers/8/2/IJARI-EC-20-06-109.pdf |
| A dehazing benchmark with real hazy outdoor images | K. Srinivasa Rao , S. Ramya, N. Ramya Sri, M.Sirisha | International Journal of Advance Research and Innovation | Volume 8 Issue 2 (2020) ISSN 2347 - 3258 | Google | https://ijari.org/assets/papers/8/2/IJARI-EC-20-06-110.pdf |
| Smart water management using iot | Sk.Sajeeda , B.Dhanya, ,M.Meghana, | International Journal of Advance Research and Innovation | Volume 8 Issue 2 (2020) ISSN 2347 - 3258 | Google | https://ijari.org/assets/papers/8/2/IJARI-EC-20-06-112.pdf |


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Student Paper Publications – IT Department Academic Year: 2019-20

| Regd No | Name of The Student | Journal Name | Paper Title | Volume: Issue |
|------------|---------------------|--|--|-----------------------------------|
| 16HP1A1207 | Divya | International Research Journal of Engineering and Technology | Farm Direct Marketing | Volume 7 Issue 3 March 2020 |
| 16HP1A1206 | K Divya | International Research Journal of Engineering and Technology | Farm Direct Marketing | Volume 7 Issue 3 March 2020 |
| 16HP1A1203 | Bala Pravali | International Research Journal of Engineering and Technology | Farm Direct Marketing | Volume 7 Issue 3 March 2020 |
| 16HP1A1220 | B Mounica | International Research Journal of Engineering and Technology | Detecting Accounts In Social Networks | March 2020 |
| 16HP1A1217 | V Kavya | International Research Journal of Engineering and Technology | Detecting Accounts In Social Networks | Volume 7 |
| 16HP1A1209 | P Gayathri | International Research Journal of Engineering and Technology | Detecting Accounts In Social Networks | Volume 7 Issue 3 March 2020 |
| 16HP1A1238 | O Sumanjali | International Research Journal of Engineering and Technology | Secure Data Sharing In Cloud Computing Using Revocable Storage Identity Based Encryption | Volume 7 Issue 3 March 2020 |


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| 16HP1A1222 | T Kavya Sri | International Research Journal of Engineering and Technology | Secure Data Sharing in Cloud Computing Using Revocable Storage Identity Based Encryption | Volume 7 Issue 3 March 2020 |
| 16HP1A1240 | V Swathi Sri | International Research Journal of Engineering and Technology | Secure Data Sharing In Cloud Computing Using Revocable Storage Identity Based Encryption | Volume 7 Issue 3 March 2020 |
| 16HP1A1245 | V Chaitanya Sai | International Conference of Advance Research and Innovation | Automated Exam Paper Based on Schedule and Authenticity | - |
| 16HP1A1250 | S Sai Sandeep | International Conference of Advance Research and Innovation | Automated Exam Paper Based on Schedule and Authenticity | - |
| 16HP1A1257 | M Jayadeep | International Conference of Advance Research and Innovation | Automated Exam Paper Based on Schedule and Authenticity | - |
| 16HP1A1215 | G Keerthi | International Research Journal of Engineering and Technology | Smart Drainage System | Volume 7 Issue 3 March 2020 |
| 16hp1a1224 | V Phani Sonika | International Research Journal of Engineering and Technology | Smart Drainage System | Volume 7 Issue 3 March 2020 |
| 16hp1a1213 | T Hepsiba Susan | International Research Journal of Engineering and Technology | Smart Drainage System | Volume 7 Issue 3 March 2020 |
| 16HP1A1233 | P Siva Ranjani | International Research Journal of Engineering and Technology | College Event Management System | Volume 7 Issue 3 |


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| | | | | March 2020 |
| 16HP1A1219 | K Mohana Kumai | International Research Journal of Engineering and Technology | College Event Management System | Volume 7 Issue 3 March 2020 |
| 16HP1A1239 | V Sushma Sri | International Research Journal of Engineering and Technology | College Event Management System | Volume 7 Issue 3 March 2020 |

List of Papers Published by the students of IT on the proceeding of a conference (2020)

| Student name | Name of the working model | Name of journal/conference |
|--|--|--|
| Chanumolu Divya, K. Divya, Bala Pravali | Farm Direct Marketing | International Research Journal of Engineering and Technology |
| B. Mounica, V. Kavya, P. Gayathri | Detecting Accounts in Social Networks | International Research Journal of Engineering and Technology |
| O Sumanjali, T Kavya Sri, V Swathi Sri | Secure Data Sharing in Cloud Computing Using Revocable Storage Identity Based Encryption | International Research Journal of Engineering and Technology |
| V Chaitanya Sai, S Sai Sandeep, M Jayadeep | Automated Exam Paper Based on Schedule and Authenticity | International Conference of Advance Research and Innovation |
| G Keerthi, V Phani Sonika, T Hepsiba Susan | Smart Drainage System | International Research Journal of Engineering and Technology |
| P Siva Ranjani, K Mohana Kumai, V Sushma Sri | College Event Management System | International Research Journal of Engineering and Technology |



Student Paper Publications – MECH Department Academic Year: 2019-20

| Name of The Student | Journal Name | Paper Title | Volume: Issue |
|--|---|---|---|
| A. Tejasri, K.B.L. Priyanka, L. Sravani. | JETIR | Efficient design and analysis of connecting rod using CATIA and ANSYS | JETIR, MAY 2019 VOL 6 ISSUE6 |
| P. Satya Priyanka, L. Himaja, K. Sravani, N. Mounika. | the journal Research and Development of Machine Design | Design and fabrication of beach dust collector | Vol.3 Issue.3 2020 |
| P. Harish, V. Ashok, M. Chandrasekhar | Journal <i>International Journal of Engineering Research and Applications</i> , ISSN: 2248-9622 | " Design and fabrication of self-balancing bike using Gyroscopic effect | 2248-9622, Vol. 10, Issue 8, (Series-IV) August 2020, pp. 33-38 |
| M.Ajay babu, M. Chaitanya, V. Kesava Narayana, G.V.H. Sai Teja. | conference CTAMES-2020 | Design and Fabrication of a Treadmill Bicycle | 2020 |
| G.Sai Anirudh, T.Sai Ravi Teja,M.Siva, T.V.Krishna Reddy. | conference CTAMES-2020 | Design and Fabrication of a Treadmill Bicycle | 2020 |
| C.Sai Kumar. | conference CTAMES-2020 | Design and Fabrication of a Treadmill Bicycle | 2020 |