

# **2021 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES 2021)**

**Chennai, India  
24 – 25 September 2021**



**IEEE Catalog Number: CFP21AF4-POD  
ISBN: 978-1-6654-3522-2**

**Copyright © 2021 by the Institute of Electrical and Electronics Engineers, Inc.  
All Rights Reserved**

*Copyright and Reprint Permissions:* Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

***\*\*\* This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

|                         |                   |
|-------------------------|-------------------|
| IEEE Catalog Number:    | CFP21AF4-POD      |
| ISBN (Print-On-Demand): | 978-1-6654-3522-2 |
| ISBN (Online):          | 978-1-6654-3521-5 |

**Additional Copies of This Publication Are Available From:**

Curran Associates, Inc  
57 Morehouse Lane  
Red Hook, NY 12571 USA  
Phone: (845) 758-0400  
Fax: (845) 758-2633  
E-mail: [curran@proceedings.com](mailto:curran@proceedings.com)  
Web: [www.proceedings.com](http://www.proceedings.com)

CURRAN ASSOCIATES INC.  
**proceedings**  
.com

COMPUTER SCIENCE, ELECTRICAL, ELECTRONICS & COMMUNICATION ENGG.

---

- ICSES 010    Speech Recognition and Separation System using Deep Learning...1  
*Meet Singh Chauhan, Rajiv Mishra and Manish I. Pate*
- ICSES 015    Cowrie HoneyPot Data Analysis and Predicting the Directory Traverser Pattern  
during the Attack...6  
*Sajeel Mehta, Dipti Pawade, Yash Nayyar, Irfan Siddavatam, Anoop Tiwari and Ashwini  
Dalvi*
- ICSES 021    Forecasting the Cloud Cover for Agronomical function Based on Real Time  
Valuation...10  
*M.Pushpavalli, V.Geetha, Krithika K, S.D.Sundar Singh Jebaseelan, P.Sivagami, Abirami  
M and P. Abirami*
- ICSES 055    HAVS: Human action-based video summarization, Taxonomy, Challenges, and  
Future Perspectives...15  
*Ambreen Sabha and Arvind Selwal*
- ICSES 071    A Text-Based Hybrid Approach for Multiple Emotion Detection Using  
Contextual and Semantic Analysis...24  
*Mahima M A, Nidhi C Patel, Srividhya Ravichandran, Aishwarya N and Sumana  
Maradithaya*
- ICSES 089    Implementation of Election System Using Blockchain Technology...30  
*Govinda H S, Yogesh Chandrakant, Girish D S, Lokesh S, Ravikiran and Jayasri B S*
- ICSES 114    Forecasting the potential influence of Covid-19 using Data Science and  
Analytics...39  
*Monish Murale, Devi N, Guru Gokul AR, Leela Rani P and NavishVardanaa S*
- ICSES 128    A Semantic Approach for Fashion Recommendation Using Logistic Regression  
and Ontologies...44  
*D Naga Yethindra and Gerard Deepak*
- ICSES 131    Visual and Auditory Assistant for people with various cognitive impairments...50  
*Heth Gala, Jenish Hirpara, Mihir Shah, Jash Shah and Prof. Lynette D'Mello*
- ICSES 149    Exploring Psychosocial Effects of the COVID-19 on University Students Using  
Visual Analytics...57  
*Mosiuir Rahman, Sharmin Akter and ParizatBinta Kabir*
- ICSES 165    A Comparative Study of Sentiment Analysis Tools...63  
*Nabanita Das, Saloni Gupta, Srinjoy Das, Shuvam Yadav, Trishika Subramanian and  
Nairita Sarkar*
- ICSES 167    Improving Accuracy of Lung Nodule Classification Using AlexNet Model...70  
*Priyanka Gupta and Anand Prakash Shukla*
- ICSES 214    Efficient Analysis for Extracting Feature and Evaluation of Text Mining using  
Natural Language Processing Model...76  
*R. Purushothaman, S.P. Rajagopalan and C. Saravanakumar*

COMPUTER SCIENCE, ELECTRICAL, ELECTRONICS & COMMUNICATION ENGG.

---

- ICSES 220 A New Sentence Similarity Computing Technique Using Order and Semantic Similarity...81  
*Nityam Agarwal, Poorvi Seth and Merin Meleet*
- ICSES 236 Object Recognition using Novel Geometrical Feature Extraction Techniques...86  
*Narasimha Reddy Soora, Snehith Reddy Puli and Venkatramulu Sunkari*
- ICSES 268 ARES –Advanced Robot for Extraction and Survey...92  
*Rohan Giri, Ram KumarG and KirthanaLp*
- ICSES 470 Implementation and Investigation of Rectenna for Microwave Applications...97  
*M.Baskaran, K.Jeyapiriya and S.Gayathri*
- ICSES 310 Asthma, Alzheimer’s and Dementia Disease Detection based on Voice Recognition using Multi-layer Perceptron Algorithm...101  
*Shubhangi D.C and Pratibha A. K*
- ICSES 311 Learning Automata with Hyperlink Features for Detecting Venomous Social Trolls on the Social Media Platform...108  
*Shubhangi.D.C and Preeti*
- ICSES 321 Diabetes Prediction using Logistic Regression and Feature Normalization...113  
*V Ganesh, Johnson Kolluri and K. Vinay Kumar*
- ICSES 352 A Classification Based Approach to the Prediction of Song Popularity...119  
*Jigisha Kamal, Pankhuri Priya, Anala M R and Smitha G R*
- ICSES 369 Midway Advertisement: A Mechanism to Curb Annoyance due to Unwanted Advertisements...124  
*Mohammed Ehsan Ur Rahman and Aishwarya Yelishetty*
- ICSES 396 Technical Analysis of Pattern Based Stock Prediction Model Using Machine Learning...129  
*Charanjeet Dadiyala and Asha Ambhaikar*
- ICSES 019 Auto Supply to Load from Four Different Sources Using IoT...138  
*P. Abirami, C.N.Ravi, M.Pushpavalli, V.Geetha, P.Sivagami, M.Chandraleka and S.Deepa*
- ICSES 048 IoT to inculcate Smart Farming and Soil Nutrient Retention...142  
*Gagandeep Singh Kukreja, V. Bagyaveereswaran, Siddhartha Menon and Gargi Agrawal*
- ICSES 061 Smart Agriculture Monitoring Rover for Small-Scale Farms in Rural Areas using IoT...151  
*Aishwarya Girish Menon and Prabhakar M*
- ICSES 113 Current Trend of IoT Market and its Security Threats...161  
*Harinee Shanmuganathan and Anand Mahendran*
- ICSES 377 A Novel Smart Healthcare System Design for Internet of Health Things...170  
*Pulkit Jain and Paras Chawla*

COMPUTER SCIENCE, ELECTRICAL, ELECTRONICS & COMMUNICATION ENGG.

---

- ICSES 506 A time optimization model for the Internet of Things-based Healthcare system using Fog computing...178  
*Aiswarya S, K Ramesh, Prabha B, Sasikumar S and K Vijayakumar*
- ICSES 516 Optimized Anchor based Localization using Bat Optimization Algorithm for Heterogeneous WSN...184  
*Nithya B and Jeyachidra J*
- ICSES 520 Wearable Device for Commuting Ladies Using IoT...190  
*K.Vasanth, GPoralla Pradhyumna, Shivani Peram, Pradeep Kumar Reddy, Tarun dandetikar and Ravi C N*
- ICSES 522 Monitoring of Food grains on a Smart Container using Internet of Things...199  
*Madhuri Ninganolla and K.Vasanth*
- ICSES 524 Low Power VLSI Architecture for Data Comparators for Non-Linear Imaging Applications...205  
*Soumya Kayala and K.Vasanth*
- ICSES 526 Design and Analysis of First Order Sigma-Delta Modulator Based on Switched Capacitor Integrator (130nm)...209  
*Mikhili Murali krishna. and Vadivel M*
- ICSES 529 Fusion of Medical Images for Better Quality...215  
*CH.V. Krishna Rasagnya and C. Raja Kumar*
- ICSES 144 History matching of an Oil Reservoir using Non-dominated Sorting Genetic Algorithm-II coupled with Sequential Gaussian Simulation...219  
*Giridhar Vadicharla, Pushpa Sharma, S. K. Gupta and D N Saraf*
- ICSES 200 Combined Facts Devices for Reactive Power Control by Using Optimization Technique...225  
*S.Marlin and S.D.Sundarsingh Jebaseelan*
- ICSES 312 Strawberry Plant's Health Detection for Organic Farming Using Unmanned Aerial Vehicle...229  
*Piyush Juyal and Sachin Sharma*
- ICSES 325 Harmonic Analysis of Grid Connected Electric Vehicles with Residential Load for Different Filters...235  
*Dinesh Patil and K.Deepa*
- ICSES 351 Energy Forecasting of Grid Connected Roof Mounted Solar PV Using PV\*SOL...241  
*M. Kavitha, D.Godwin Immanuel, C.R. Edwin Selva Rex, V. Meenakshi, M. Pushpavalli, Supriya Singari and Vinoba Baskaran*
- ICSES 380 Implementation of Power Efficient Dynamic Comparator at 180 nm Process Technology for high-speed applications...247  
*Tripti Sharma*

COMPUTER SCIENCE, ELECTRICAL, ELECTRONICS & COMMUNICATION ENGG.

---

- ICSES 530 Effectuation of Machine Learning for Fault Classification on Vehicle Power Transmission System...251  
*K.R.Vinisha and E.Kalpana*
- ICSES 008 Comparative Study and Secure Data Deduplication techniques for Cloud Computing storage...256  
*Malathi P and Suganthidevi. S*
- ICSES 098 CATAQ: Concise Answer to any Question...261  
*Arpan Ghoshal, Rohan Kamath and Uma D*
- ICSES 237 Character Recognition using Perpendicular Distance on Sweep Line and Chi-Square Statistic as classifier...269  
*Narasimha Reddy Soora, Kumar Dorthi and Sai Vythik Mankala*
- ICSES 240 MalDeXA - A Malware Detection system using XGBoost on Amazon Web Services...273  
*Govind Thakur, Shreya Nayak and Ramchandra Mangrulkar*
- ICSES 278 Extractive and Abstractive Summarization for Hindi Text using Hierarchical Clustering...283  
*Cheshta Kwatra and Kapil Gupta*
- ICSES 153 Performance Analysis of Machine Learning Algorithms and Feature Extraction Methods for Sentiment Analysis...289  
*Anshumaan Chauhan, Ayushi Agarwal and Razia Sulthana*
- ICSES 302 A Detailed Survey on Bit Plane Complexity Segmentation (BPCS) and RSA Algorithm for Secured Medical Data Transfer...297  
*D.N.V.S.L.S. Indira and Kavitha Chaduvula*
- ICSES 337 Text to Braille Conversion System...303  
*Rhea Sawant, Prabhav, Pranjal Shrivastava, Priti Shahane and Harikrishnan R*
- ICSES 444 Supervised malware learning in cloud through System calls analysis...308  
*K.Uma maheswari, G.Shobana, S.Nikkath Bushra and Nalini Subramanian*
- ICSES 002 AI-Assisted Risk Based Two Factor Authentication Method (AIA-RB-2FA)...316  
*Shiburaj Pappu, Dhanashree Kangane, Varsha Shah and Junaid Mandwiwala*
- ICSES 007 Emphasised Research on Heart Disease Divination Applying Tree Based Algorithms and Feature Selection...321  
*Parizat Binta Kabir and Sharmin Akter*
- ICSES 016 Comparative Study and Detection of Diabetic Retinopathy in Retinal Images Using Computational Approach...327  
*Godfrin. R and Suganthidevi. S*
- ICSES 023 Quotidian Sales Forecasting using Machine Learning...332  
*Spuritha M, Cheruku Sai Kashyap, Tejas Rakesh Nambiar, Dendukuri Ravi Kiran, N.Srinivasa Rao and G.Pradeep Reddy*

COMPUTER SCIENCE, ELECTRICAL, ELECTRONICS & COMMUNICATION ENGG.

---

- ICSES 058 Parkinson’s Disease Detection Using CNN Architectures with Transfer Learning...338  
*Nusrat Jahan, Arifatun Nesa and Md. Abu Layek*
- ICSES 507 Machine learning Smart Traffic Prediction and Congestion Reduction...343  
*A.Lakshna, K.Ramesh, B. Prabha, D.Sheema and K.Vijayakumar*
- ICSES 535 An Efficient Ensemble Model for Forecasting Time Series Analysis of Crypto Currency Data Using Machine Learning...347  
*C. Saravanakumar, S. Kanaga Lakshmi, M. Prakash, M.Vijayakumar and C. Arun*
- ICSES 075 A Comparative Assessment Study on Machine Learning Classifiers for Cardiac Arrest Diagnosis and Prediction...352  
*Nishq Poorav Desai, Abhijay Wadhvani, Mohammed Farhan Baluch and Nilamadhab Mishra*
- ICSES 092 Content Based Offline Fake News Detection using Classification Technique...358  
*Meenu Gupta, Rakesh Kumar, Geetam Pradhan and Dheeraj Kumawat*
- ICSES 093 Document Clustering and Topic Classification Using Latent Dirichlet Allocation...364  
*Meenu Gupta, Abdul Wasi, Ankit Verma and Somesh Awasthi*
- ICSES 126 Vyayam: Artificial Intelligence based Bicep Curl Workout Tacking System...370  
*Samhitha G, Srinivasa Rao D, Ch. Rupa, Y.Ekshitha and R Jaswanthi*
- ICSES 133 Cyber security using Machine Learning in Digital Education industry...375  
*Sonal Shukla and Anand Sharma*
- ICSES 537 Automatic Feature Extraction and Traffic Management Using Machine Learning and Open CV Model...381  
*M. Prakash, C. Saravanakumar, S. Kanaga Lakshmi, J Dafni Rose and B. Praba*
- ICSES 538 Efficient Multilevel Federated Compressed Reinforcement Learning of Smart Homes Using Deep Learning Methods...386  
*P.Ravichandran, C. Saravanakumar, J.Dafni Rose, M.Vijayakumar and V. Muthu Lakshmi*
- ICSES 157 Artificial Intelligence based Framework for Effective Performance of Traffic Light Control System...397  
*Anuj Singh, Sachin Sharma, Kamlesh Chandra Purohit and Nithin Kumar K C*
- ICSES 179 Hybrid Resampling and Xgboost Prediction Using Patient’s Details as Features for Parkinson’s Disease Detection...401  
*Aishwarya Keller and Anukul Pandey*
- ICSES 266 Music Generation for Novices Using Recurrent Neural Network (RNN)...408  
*Sahreen Sajad, S Dharshika and Merin Meleet*
- ICSES 275 Comparative study of Face Mask Recognition using Deep Learning and Machine learning classifiers...414  
*Prashant Ghimire, Sweekar Piya and Anish Man Gurung*

COMPUTER SCIENCE, ELECTRICAL, ELECTRONICS & COMMUNICATION ENGG.

---

- ICSES 284 Prediction of Cardiovascular Disease using Multiple Machine Learning Platforms...422  
*G. Shobana and S. Nikkath Bushra*
- ICSES 494 Performance Evaluation of Stainless Steel Plate Defects Using Deep Learning Approach...429  
*V. Elanangai and K. Vasanth*
- ICSES 541 Evolution of YOLO-V5 Algorithm for Object Detection: Automated Detection of Library Books and Performace validation of Dataset...438  
*M.Karthy, Muthulakshmi V, Priscilla R, Praveen P and Vanisri K*
- ICSES 289 Malicious URL Detection using NLP, Machine Learning and FLASK...444  
*A. Lakshmanarao, M.Raja Babu and M M Bala Krishna*
- ICSES 317 Application and evaluation of Machine Learning for news article popularity prediction...448  
*Sejal Bhatia*
- ICSES 326 A New hybrid classification algorithm for predicting customer churn...453  
*BaburaoMarkapudi, Kunchaparthi Jyothsna Latha and Kavitha Chaduvula*
- ICSES 344 AI Bot for Academic Schedules using Rasa...457  
*Tanya Dinesh, Anala M R, T. Terry Newton and Smitha G R*
- ICSES 386 Automatic Bone Age Assessment of Radiographs using Deep Learning...463  
*Abhay Shreekant Shastry, B. Antonio Mervyn, Binish Zehra Rizvi, Varun Menon and Girisha G S*
- ICSES 409 Gradient Conventional Recursive Neural Classifier Algorithm to Analyze the Malicious Software Detection Using Machine Learning...470  
*B. Lavanya and C.Shanthi*
- ICSES 545 Forecasting the lung diseases from Rediography scans with hybrid Transfer Learning Techniques...477  
*Bhargavinath Dornadula, Geetha S, Asnath Vicky Phamila, R.Priscilla and K.Vijayakumar*
- ICSES 009 Hybrid Approach of Genetic Algorithm and Differential Evolution in WSN Localization...483  
*Nithya B and Jeyachidra J*
- ICSES 070 Optimization of Resource and Energy for D2D enable Communication System using Constraint's-based Function...489  
*Munna Lal Jatav, Ashutosh Datar and Leeladhar Malviya*
- ICSES 087 Using Ensemble Learning Algorithms and Feature Selection Method for Improved Intrusion Detection System...494  
*Vijay Kumar Vasantham, N.Raghavendra Sai, S.SandeepKumar and M. Jogendra Kumar*



COMPUTER SCIENCE, ELECTRICAL, ELECTRONICS & COMMUNICATION ENGG.

---

- ICSES 096 Keyword spotting in historical document collections without segmentation using the Siamese Network...501  
*Ashwini Sapkal, Chhavi, Shashank Sharma, Pradeep Kumar and Sachin Yadav*
- ICSES 103 Object Detection in Self Driving Cars Using Deep Learning...506  
*Prajwal P, Prajwal D, Harish D H, Gajanana R, Jayasri B S and S. Lokesh*
- ICSES 134 Deep Learning Oriented Channel Estimation for Interference Reduction for 5G...513  
*Swapna, Tangelapalli P. Pardha Saradhi, Rahul Jashvantbhai Pandya and Sridhar Iyer*
- ICSES 540 Enhancement of Modified Multiport Boost Converter for Hybrid System...517  
*S.Padmakala, S.Gomathi, A.Akilandeswari, M.R.Faridha Banu, S.Padmapriya and M.Gnanaprakash*
- ICSES 135 Capsule Networks based Acoustic Emotion Recognition using Mel Cepstral Features...523  
*Y. Bhanusree, T. Vishnu Vardhan Reddy and S. Karthik Rao*
- ICSES 203 Components, Technologies, and Market of Road Traffic Management System in Global Scenarios: A Complete Study...530  
*Piyush Agarwal, Sachin Sharma and Priya Matta*
- ICSES 255 Edge Delay and Communication Phase in Consensus Network...540  
*Nakul Giri and Sateesh Kumar Awasthi*
- ICSES 327 WanderMate: GPS based bus tracking interface system...545  
*Regish Nedumannil George, P John Zachariah, Rahul Mohan, Mohammad Yaseen and Binu John*
- ICSES 332 Analysis of an Efficient Routing Protocol for Mobile AD-HOC Networks...552  
*Altaf C and Shah Aqueel Ahmed*
- ICSES 338 Detection of Malicious URLs in Twitter...557  
*Vutukuru Abhijith, Chandana Phanidhar Sai Sravan, DasarajuVenkata Raju and T. Sasikala*
- ICSES 020 Stability Analysis of Multi-input DC-DC Converters...564  
*M.Pushpavalli, P.Abirami, P.Sivagami, V.Geetha and M. Kavitha*
- ICSES 120 Comparison of Different Lossy Image Compression Techniques...571  
*Y.Lakshmi Prasanna, Y.Tarakaram Y.Mounika and Subramani R*
- ICSES 121 Comparative Study of Gradient Domain Based Image Blending Approaches...578  
*Maturi Tanuj, Aishwarya Virigineni, Apoorva Mani and Subramani R*
- ICSES 197 A Framework for Pre Processing, Recognizing and Distributed Proofreading of Assamese Printed Text...583  
*Nibir Borpuzari and Prof. Anjana Kakoti Mahanta*
- ICSES 216 Kernel Regression based Sparse Metric Learning for Extensive Classification of Visual Art Images...590  
*D N S Ravi Kumar, Sundararajan G T, S D Sundarsingh Jebaseelan, M.Pushpavalli, Rameshbabu A and D.Godwin*

COMPUTER SCIENCE, ELECTRICAL, ELECTRONICS & COMMUNICATION ENGG.

---

- ICSES 430 Incremental feedback learning mechanism for highly efficient automatic image segmentation with feature coupling...597  
*Manisha Bhagwat, Gyanendra gupta and Asha Ambhaikar*
- ICSES 175 Analysis of Personality Traits from Text Based Answers using HEXACO Model...604  
*P. William and Abhishek Badholia*
- ICSES 243 A Hybrid Machine Learning Strategy Assisted Diabetic Retinopathy Detection based on Retinal Images...614  
*R. Kiran Kumar and K. Arunabhaskar*
- ICSES 333 Extractive Summarization of Text from Images...620  
*Raunak Kolle, Sanjana S and Prof. Merin Meleet*
- ICSES 350 Classification of Natural Disaster Using Satellite & Drone Images with CNN Using Transfer Learning...624  
*Tushar Agrawal, Suraj and Merin Meleet*
- ICSES 355 Traffic Sign Detection using Deep Learning Techniques in Autonomous Vehicles...629  
*Amit Juyal, Sachin Sharma and Priya Matta*
- ICSES 364 A Quantitative Analysis of Basic vs. Deep Learning-based Image Data Augmentation Techniques...636  
*Mohammed Ehsan Ur Rahman, Hrudheeshta Anishetty, Arjun Kumar Kolipaka, Aishwarya Yelishetty and Swetha Reddy Ganta*
- ICSES 027 Design and Analysis of a UWB patch antenna for Wireless Implantable Body Area Network (Wi BAN) Applications...645  
*Suresh Namagiri , Pardhasaradhi Pokkunuri , Madhav B T P , Kasi Udaykiran and Srilekha Gandu*
- ICSES 050 Design of Cubic Dielectric Resonator Antenna for Biomedical Application...649  
*L. Raja, A.Farithkhan, K.Vijayalakshmi, T. Sripriya, Rahul Krishnan and Keren Naomi Devnesh*
- ICSES 067 Asymmetrical Cascaded H-Bridge 31 Level Inverter with Low THD for PV Application...653  
*Rameshbabu A, Sundarrajan G T and Barnabas Paul Glady J*
- ICSES 159 A Novel Design on Non-isolated High-Gain Interleaved KY- Converter with Enhanced Dynamic Performance...658  
*G.T. SundarRajan, V. Sivachidambaranathan, J. Barnabas Paul Glady, Ramesh Babu, S. D. Sundar Singh Jebaseelan and Ganesan Subramanian*
- ICSES 163 Smart Village Monitoring and Control Using PLC and SCADA...664  
*Thaj Mary Delsy T, Haritha K, Betty Martin and Karthika G*

**COMPUTER SCIENCE, ELECTRICAL, ELECTRONICS & COMMUNICATION ENGG.**

---

- ICSES 208 MPPT Based Solar PV and Class IV Powered Brushless DC Motor for Water Pump System...671  
*Rameshbabu A, Sundarrajan G T, Godwin Immanuel D, Barnabas Paul Glady, Sundar Singh Jeebaseelan S D and Muthukumar C*
- ICSES 209 Improved Dynamic Response of Boost LLC AC–DC Converter with Voltage Regulation...678  
*Rameshbabu A, Sundarrajan G T, Sundarsingh Jebaseelan S D, Dilleswararao A, Barnabas Paul Glady J and J V Sunil kumar*
- ICSES 296 Review on Soiling Implications and Cleaning Methodology for Photovoltaic Panels...685  
*Sivagami.P, Jamunarani.D, Abirami.P, Harikrishnan. R, Pushpavalli.M and Geetha.V*
- ICSES 304 Utilizing Analog Circuits by Neural-Network based Multi-Layer-Perceptron...695  
*D. Sudha, G. Amarnath and Vinod A*
- ICSES 367 Silver and Gold Nano Antennas for THz Optical Communication...699  
*Kavitha S, K.V.S.S.S.S Sairam and Ashish Singh*
- ICSES 460 Automatic Speed Controller of Vehicles Using Arduino Board...705  
*V.Meenakshi, D.Godwin Immanuel, M. Kavitha, V.Vijeya kaveri and C.R. Edwin Selva Rex*