

**International online conference on Recent Trends  
in Engineering and Technology (RTET 2021)**

**Date-18-20<sup>TH</sup> March, 2021**

*Organized by*

**Department of Mechanical Engineering  
Department of Computer Science & Engineering**

**&**

**Department of Electrical Engineering**

of

**Mallabhum Institute of Technology  
Bishnupur, West Bengal, India, 722122**

**Index**

<b>Sl. No.</b>	<b>Paper Title</b>	<b>Paper ID</b>	<b>Presenter</b>
<b>Track 1: Electronics &amp; Communication Engineering, Electrical Engineering</b>			
1	Optimal design of motor rotor slots of a three phase squirrel cage induction motor using finite element method magnetic. <b>Soumitra Adak, Somdeb Datta, Lucky Basu, Santu Shit</b>	MIT/RTET/201/29	<b>Santu Shit</b>
2	A Review on Plug-in Hybrid Electric Vehicle <b>S. Saha , P. K. Gayen , I. Kushary</b>	MIT/RTET/201/20	<b>I. Kushary</b>
3	Live line maintenance of transmission lines-a review <b>Lucky Basu, Somdeb Datta, Soumitra Adak</b>	MIT/RTET/201/34	<b>Lucky Basu</b>
4	Load frequency control of a two area system using pi controller <b>Lucky Basu, Santu Shit, and Amit Mukherjee</b>	MIT/RTET/201/27	<b>Lucky Basu</b>
5	Wireless charging of an electric vehicle using mosfet base flyback converter. <b>Kingshuk Chakraborty</b>	MIT/RTET/201/16	<b>Kingshuk Chakraborty</b>
6	Design, structural analysis and simulation of a miniaturized microstrip transmitter for wireless applications <b>Ankan Bhattacharya, Supratim Subhra Das, Mayumi Mukherjee, Debashree Patra Karmakar and Koyendrik Bhattacharjee</b>	MIT/RTET/201/33	<b>Ankan Bhattacharya</b>
7	A study on pseudo-noise (PN) sequences generated by 4bit- linear feedback shift register <b>Subhajit Bhattacharyya</b>	MIT/RTET/201/30	<b>Subhajit Bhattacharyya</b>
8	Neutralizing unwanted signals using artificial intelligence (ai) <b>Arnav Banerjee, Kausik Chakraborty , Manira Khatun</b>	MIT/RTET/201/42	<b>Arnav Banerjee</b>
9	Accident detection & alert system <b>Subha Das, Kausik Chakraborty</b>	MIT/RTET/201/47	<b>Subha Das</b>

10	Multi-Objective Approach for Solving Directional Overcurrent Relay Problem Using Grasshopper Optimization Algorithm <b>Arka Dutta, Parthasarathi Bera, Bikash Patel</b>	MIT/RTET/201/04	Arka Dutta
<b>Track 2: Mechanical Engineering &amp; Manufacturing Technology</b>			
1	Some Investigations on Machined Surface Roughness in Precision Turning of HSS T-42 <b>Ketan Jagtap , Chandrakant Seemikeri</b>	MIT/RTET/201/05	Ketan Jagtap
2	An overall idea about micro alloying of aluminium alloy (Al-Zn-Mg-Cu): a review <b>Souvik Brahma Hota, Arnab Ray</b>	MIT/RTET/201/11	Souvik Brahma Hota
3	Types and causes of the boiler tube failure, and its prevention- A review <b>Madhab Chandra Ghosh , Bappa Mondal</b>	MIT/RTET/201/26	Madhab Chandra Ghosh
4	Influence of dielectric medium on machinability of Electric Discharge Machining (EDM) A Review <b>Debayan Mondal , Bappa Mondal</b>	MIT/RTET/201/21	Bappa Mondal
5	Influence of Young's Modulus on Dynamic Behaviour of Cylindrical Contact under Plane Stress Condition <b>T. Jana, A. Mita, P.Sahoo</b>	MIT/RTET/201/25	T. Jana
6	Study of powder mixed dielectric fluid on machinability of Electric Discharge Machining – A Review <b>Debayan Mondal , Bappa Mondal</b>	MIT/RTET/201/28	Debayan Mondal
7	Experimental investigation of Electro discharge machining process by AHP-MOORA technique. <b>S. Debnath and S. Ghosh</b>	MIT/RTET/201/36	S. Debnath
8	An Integrated Decision Making Model for Wind Turbine Blade Material Selection <b>Koushik Bag, Mallar Das, Swarnangshu Mukhopadhyay, Suprakash Mondal</b>	MIT/RTET/201/45	Koushik Bag,
9	Optimization of Metal Removal Rate in Turning Operation Using Taguchi Approach <b>Animesh Nandi, Suman Mandal, Sukanta Saren, Quazi Shahenshah</b>	MIT/RTET/201/43	Quazi Shahenshah
10	Prediction and Optimization of Surface Roughness in CNC Dry Turning <b>Sukanta Saren, Animesh Nandi, Suman Mandal, Nirmal Kumar Mandal</b>	MIT/RTET/201/44	
11	Reliability Centered Maintenance with Risk Priority Number for a Process Industry <b>Prabir Namhata, Sankhajit Banerjee, Koushik Bag, Jamuna Prasad Kundu</b>	MIT/RTET/201/48	Prabir Namhata
12	Parameter Optimization of Ferritic Stainless Steel With Austenitic Filler Wire In Metal Inert Gas Welding Using Taguchi <b>Sumit Shaw, Prabir Namhata</b>	MIT/RTET/201/49	Sumit Shaw
13	Performance and energy evaluation of a two-link robotic manipulator for various trajectory interpolation functions <b>Kaustav Ghar, Tarun Kanti Naskar, Nipu Modak</b>	MIT/RTET/201/22	Kaustav Ghar
14	A multi criteria decision making approach for selection of Off-highway truck in Indian mining sector <b>Ayan Avra Chowdhury, Suprakash Mondal</b>	MIT/RTET/201/50	Ayan Avra Chowdhury

15	An Intercriteria Correlation Model for Sustainable Automotive Body Material Selection <b>Sankhajit Banerjee, Suprakash Mondal, Prasenjit Chatterjee, Ajit Kumar Pramanick</b>	MIT/RTET/201/51	<b>Sankhajit Banerjee</b>
16	A new integrated Rough SWARA – MARCOS model for ranking short road sections in order to prioritize high risk sections <b>Željko Stević , Marko Subotić , Prasenjit Chatterjee , Ilija Tanackov , Siniša Sremac</b>	MIT/RTET/201/03	<b>Prasenjit Chatterjee</b>

### Track 3: Civil Engineering

1	Leaching & microstructural analysis of fly ash-mine overburden-clinker composite materials <b>Sunil Kumar, Anand Kumar, Sanjay Kumar Sharma, Brind Kumar</b>	MIT/RTET/201/02	<b>Sunil Kumar</b>
2	Effect of clinker on strength behaviour of fly-ash, mine overburden composite mixtures <b>Sunil Kumar, Anand Kumar, Sanjay Kumar Sharma, Brind Kumar</b>	MIT/RTET/201/01	<b>Sunil Kumar</b>
3	A short review on landfill leachate treatment technologies <b>Aishi Nath, Animesh Debnath</b>	MIT/RTET/201/10	<b>Aishi Nath</b>
4	A systematic study on impact of covid-19 pandemic lockdown on the air quality in bangalore city, india <b>Jayanta Bhowmik , Bibek Saha, Animesh Debnath</b>	MIT/RTET/201/14	<b>Jayanta Bhowmik</b>
5	A short review on different techniques used for site selection of air quality monitoring stations <b>Hemanth Kollati, Animesh Debnath</b>	MIT/RTET/201/12	<b>Hemanth Kollati</b>
6	Study on the behaviour of 3d infill frame structure under static cyclic loading with various interface materials <b>Satadal Neogi, S. Muthu Kumar</b>	MIT/RTET/201/39	<b>Satadal Neogi</b>
7	Impact of climate change on drought for the district of purulia, w.b. <b>Kush Kumar Dey, Vijay Kumar Dwivedi, Satanand Mishra</b>	MIT/RTET/201/32	<b>Kush Kumar Dey</b>
8	Comparative study between cold form steel and hot rolled steel <b>Soumayan Khanra, Satadal Neogi, PunamNasrin</b>	MIT/RTET/201/46	<b>Soumayan Khanra</b>

### Track 4: Computer Science Engineering

1	Semantic Web: A brief review and future outline <b>Ayan Mukherji , Souvik Chaudhuri</b>	MIT/RTET/201/15	<b>Souvik Chaudhuri</b>
2	An approach to data encryption and compression using pseudorandom keystream generator based on chaotic map and s-box <b>Pijush Bairi</b>	MIT/RTET/201/31	<b>Pijush Bairi</b>
3	Deferred Berth Allocation in Rail Ticket Reservation <b>Uttam Ganguly and Amalendu Si</b>	MIT/RTET/201/38	<b>Uttam Ganguly</b>
4	Blockchain Technology in Digital Transformation <b>Swapna Halder and Sudipta Das</b>	MIT/RTET/201/35	<b>Swapna Halder</b>
5	EWOD Based Digital Microfluidics Biochips: A Review on Fault Models and Testing <b>Priyatosh Jana</b>	MIT/RTET/201/41	<b>Priyatosh Jana</b>

## Track 5: Multidisciplinary & Optimization

1	An effect of Green energy utilization on Industrial development in India <b>Sandip S Patil , Ketan V Dhande</b>	MIT/RTET/201/17	<b>Sandip S Patil</b>
2	Quality controls cost in Projects <b>Sourav Bandyopadhyay</b>	MIT/RTET/201/06	<b>Sourav Bandyopadhyay</b>
3	An Enhanced Hierarchical Model for Customer Segmentation in Customer Relationship Management with Demographic, Recency, Frequency and Monetary Values <b>B. Arivazhagan, R. Sankara Subramanian</b>	MIT/RTET/201/18	<b>B. Arivazhagan</b>
4	Drainage and Management of Offseason Rain Water in Multipurpose Reservoir using Fuzzy Model <b>Uttam Ganguly and Amalendu Si</b>	MIT/RTET/201/37	<b>Amalendu Si</b>
5	Selection of the Best Battery Electric Two wheeler in Indian Scenario by MCDM: A Case Study <b>A. Bhowmick, T. Biswas, A. Dey, S.S. Kar, K. Dutta</b>	MIT/RTET/201/19	<b>A. Bhowmick</b>
6	Failure mode analysis approach for enhancing Room Heater Safety <b>Soumyajit Das, Bivash Mallick</b>	MIT/RTET/201/13	<b>Soumyajit Das</b>
7	Modulation of protein dynamics in protein-DNA interaction: Molecular Dynamics Simulation Study <b>Manas Mondal, Dhananjay Bhattacharyya</b>	MIT/RTET/201/40	<b>Manas Mondal</b>