

## Dr. B. C. Roy Engineering College, Durgapur

### Electronics & Communication Engineering

#### Student Research Publications in Journals : AY 2020-21

Title of paper	Name of Author(s) as per paper (separated by comma)	Department of the Faculty Member	Name of journal	Year of publication	Date of publication	ISBN/ISSN number	Link of the recognition in UGC enlistment of the Journal (If Not Applicable put N/A)	Having DOI	Mention DOI
DPL-based novel CMOS 1-Trit Ternary Full-Adder	<b>Aloke Saha</b> , Rakesh Kumar Singh, Pragya Gupta, Dipankar Pal	Electronics & Communication Engineering	International Journal of Electronics (IJE), Taylor & Francis	2020	09-07-2020	0020-7217	<a href="https://mjl.clarivate.com/search-results?issn=0020-7217&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=journal-profile-share-this-journal">https://mjl.clarivate.com/search-results?issn=0020-7217&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=journal-profile-share-this-journal</a>	Yes	<a href="https://doi.org/10.1080/00207217.2020.1789759">https://doi.org/10.1080/00207217.2020.1789759</a>
Efficient ternary comparator on CMOS technology	<b>Aloke Saha</b> , Narendra Deo Singh, Dipankar Pal	Electronics & Communication Engineering	Microelectronics Journal, Elsevier	2021	01-03-2021	0959-8324	<a href="https://www.scopus.com/sourceid/9500153939">https://www.scopus.com/sourceid/9500153939</a>	Yes	<a href="https://doi.org/10.1016/j.mejo.2021.105005">https://doi.org/10.1016/j.mejo.2021.105005</a>
A Hybrid Model integrating warm heat and ultraviolet germicidal irradiation might efficiently disinfect respirators and personal protective equipment	<b>R. Banerjee</b> , Pulakesh Roy, Surajeet Das, Manash K. Paul	Electronics & Communication Engineering	American journal of Infection control, Elsevier	2020	28-07-2020	0196-6553	<a href="https://mjl.clarivate.com/search-results?issn=0196-6553&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=journal-profile-share-this-journal">https://mjl.clarivate.com/search-results?issn=0196-6553&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=journal-profile-share-this-journal</a>	Yes	<a href="https://doi.org/10.1016/j.ajic.2020.07.022">https://doi.org/10.1016/j.ajic.2020.07.022</a>
An Arduino Based Automatic Accident Detection and Location Communication System	Souvik Roy, Aankansha Kumari, Pulakesh Roy, <b>Dr. Rajib Banerjee</b>	Electronics & Communication Engineering	2020 IEEE 1st International Conference for Convergence in Engineering (ICCE)	2020		978-1-7281-7341-2	NA		doi: 10.1109/ICCE50343.2020.9290701
Novel 9:1 Ternary Multiplexer on 32nm CMOS Technology	Rahul Pal, Rakesh Kumar Singh, Jayanta Ghosh, <b>Dr. Aloke Saha</b>	Electronics & Communication Engineering	4th International Conference on 2021 Devices for Integrated Circuit (DevIC)	2021		978-1-7281-9955-9	NA		