

# SPARK



# News LETTER

## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

July - December, 2021

### GATEWAY TO JOBS

To maximize your chances of securing a job as a B.Tech graduate, consider the following steps:

1. **Maintain a Strong GPA:** Good academic performance is essential for job opportunities, especially if you're aiming for top companies. Many employers have GPA requirements.
2. **Internships and Co-op Programs:** Gain practical experience through internships and co-op programs. These opportunities provide valuable hands-on experience, build your resume, and can lead to job offers from the host companies.
3. **Build a Strong Portfolio:** Showcase your projects, coursework, and any personal projects related to your field. A well-documented portfolio can set you apart from other candidates.
4. **Develop Technical Skills:** Stay current with the latest industry-relevant technologies, software, and tools. Continuous learning is crucial in the rapidly evolving tech industry.
5. **Networking:** Attend job fairs, tech conferences, and networking events to connect with professionals in your field. Networking can help you learn about job openings and receive referrals.
6. **Resume and Cover Letter:** Create a compelling and tailored resume and cover letter for each job application. Highlight your skills, relevant coursework, and any relevant extracurricular activities.
7. **Prepare for Interviews:** Practice for technical interviews, which are common for B.Tech graduates. Review data structures, algorithms, and problem-solving techniques.

**Academic Results:**

Year	Total appeared	Total Passed	Pass%
IV/IV B.Tech (VIII Semester)	199	185	92.96
III/IV B.Tech (VI Semester)	186	116	62.36
II/IV B.Tech (IV Semester)	165	105	63.64
I/IV B.Tech (I Semester)	159	98	61.63
I/IV B.Tech (II Semester)	158	77	48.73
II/II M.Tech (IV Semester)	06	06	100
II/II M.Tech (I Semester)	06	06	100

**The following is the consolidated list of students with Internship Certificates:**

Sl. No	Regd.No	Name of the student	Organization	Date	Topic
1	L20EE183	Allanka Hemanth	Andhra Pradesh State Skill Development Corporation	24-5-2021 to 31-07-2021	Embedded Systems Online Internship
2	L20EE185	Avulamanda Ushaswini	Hexnbit Skilling for Future Industry Partner - Tevatron Technologies Pvt. Ltd.,	1-6-2021 to 12-7-2021	Online internship in PCB Design
3	L20EE186	Bandaru Venkatesh	Hexnbit Skilling for Future Industry Partner - Tevatron Technologies Pvt. Ltd.,	1-6-2021 to 12-7-2021	Online internship in PCB Design
4	L20EE187	Bandaru Vivya Sri	Hexnbit Skilling for Future Industry Partner - Tevatron Technologies Pvt. Ltd.,	1-6-2021 to 12-7-2021	Online internship in PCB Design
5	L20EE190	Bokinala Anil Kumar	Hexnbit Skilling for Future Industry Partner - Tevatron Technologies Pvt. Ltd.,	1-6-2021 to 12-7-2021	Online internship in PCB Design
6	L20EE191	D.Venkata Nagesth	Hyderabad Institute of Electrical Engineers	24-5-2021 to 29-6-2021	Electric VehiclesDa
7	L20EE192	Danda Someswar	Internshala Trainings	six weeks	PCL Programming
8	L20EE193	Dasari Prasad Rao	Hexnbit Skilling for Future Industry Partner - Tevatron Technologies Pvt. Ltd.,	1-6-2021 to 12-7-2021	Online internship in PCB Design
09	L20EE194	Dokku Nivas	Internshala Trainings	six weeks	PCL Programming

10	L20EE195	Gosamsetti Ravi Kiran	Hexnbit Skilling for Future Industry Partner - Tevatron Technologies Pvt. Ltd.,	1-6-2021 to 12-7-2021	Online internship in PCB Design
11	L20EE196	Guttikonda Jaya Prakash	Hexnbit Skilling for Future Industry Partner - Tevatron Technologies Pvt. Ltd.,	1-6-2021 to 12-7-2021	Online internship in PCB Design
12	L20EE197	Kanikutla Sai Kumar	Hyderabad Institute of Electrical Engineers	24-5-2021 to 29-6-2021	Electric VehiclesDa
13	L20EE198	Kuraganti Spandana	Hexnbit Skilling for Future Industry Partner - Tevatron Technologies Pvt. Ltd.,	5-5-2021 to 16-6-2021	Online internship in PCB Design
14	L20EE199	Neeli Manoj Venkata Sai	Hexnbit Skilling for Future Industry Partner - Tevatron Technologies Pvt. Ltd.,	1-6-2021 to 12-7-2021	Online internship in PCB Design
15	L20EE200	Reddy Ramesh	Pantech Prolabs India Pvt. Ltd.,	31-05-2021 to 30-06-2021	Internship on EV Design using MATLAB
16	L20EE201	Sandhya Jetty	Hexnbit Skilling for Future Industry Partner - Tevatron Technologies Pvt. Ltd.,	1-6-2021 to 12-7-2021	Online internship in PCB Design
17	L20EE202	Shaik Mahaboob Riyaz	Hyderabad Institute of Electrical Engineering, Hyderabad	24-5-2021 to 29-6-2021	Electric Vehicles
18	L20EE203	Shaik Mahammad	Hexnbit Skilling for Future Industry Partner - Tevatron Technologies Pvt. Ltd.,	1-6-2021 to 12-7-2021	Online internship in PCB Design
19	L20EE204	Sikha Naresh	Hexnbit Skilling for Future Industry Partner - Tevatron Technologies Pvt. Ltd.,	1-6-2021 to 12-7-2021	Online internship in PCB Design
20	Y19EE001	Abothu Pravallika	Verzeo	1-7-2021 to 31-8-2021	Hybrid & Electric Vehicle
21	Y19EE002	A. Vamsi Raghavulu	Skill Dzire	March 12th (four weeks)	Solar PV Design
22	Y19EE003	Shaik Mahammed Firoz	Hexnbit Skilling for Future Industry Partner - Tevatron Technologies Pvt. Ltd.,	1-6-2021 to 12-7-2021	Online internship in PCB Design
23	Y19EE004	Amarlapudi Syam Prakash	Verzeo	1-7-2021 to 31-8-2021	Hybrid & Electric Vehicle

24	Y19EE005	A.Naga Jyoshna	Verzeo	1-8-2021 to 30-9-2021	Hybrid & Electric Vehicle
25	Y19EE006	Asha Chebrolu	Hexnbit Skilling for Future Industry Partner - Tevatron Technologies Pvt. Ltd.,	5-5-2021 to 16-6-2021	Online internship in PCB Design
26	Y19EE007	Avvaru Abhiram	Verzeo	1-7-2021 to 31-8-2021	Hybrid & Electric Vehicle
27	Y19EE008	Bakka Ramyasree	Vardhan Consulting Engineers	15-15-2021 to 15-10- 2021	Simulation and Calculation of AEP using PVSyst of Grid connected 100 KW Solar PV Project in Noida, U.P.
28	Y19EE016	Burle Sai Rohith	Verzeo	1-7-2021 to 31-8-2021	Hybrid & Electric Vehicle
29	Y19EE017	Burugu Tharun	Verzeo	1-6-2021 to 31-7-2021	Internet of things
30	Y19EE018	Chaganti Ratna Kumari	Vardhan Consulting Engineers	16-8-2021 to 16-10-2021	Simulation and Calculation of AEP using PVSyst of Grid connected 100 KW Solar PV Project in Noida, U.P.
31	Y19EE019	Challa Chandu	Hexnbit Skilling for Future Industry Partner - Tevatron Technologies Pvt. Ltd.,	5-5-2021 to 16-6-2021	PCB Designing
32	Y19EE020	Jyoshna Chandu	Vardhan Consulting Engineers	16-8-2021 to 16-10-2021	Designing and Simulation for the project uisng PVSyst
33	Y19EE021	Chelle Yashwanth Kumar	Verzeo	1-7-2021 to 31-8-2021	Hybrid & Electric Vehicle

34	Y19EE022	Chennupati Lahari	Human Resource Development Division	6-6-2022 to 5-7-2022	Study of sintering Furnace
35	Y19EE023	Chilaka Christudas	Pantech e Learning	5-3-2022 (30 days)	Electric Vehicle Design Masterclass
36	Y19EE024	Chintapalli Uday Kiran	Vardhan Consulting Engineers	1-6-2021 to 31-7-2021	Solar Resource Assessment and Analysis for AEP of Solar PV Project using PVSyst.
37	Y19EE025	Chinthakrindi Roshitha	APSYS	1-6-2021 to 31-7-2021	VLSI
38	Y19EE026	Chinthala Charan Chandu	Vardhan Consulting Engineers	1-8-2022 to 31-9-2022	Solar Resource Assessment and Analysis for AEP of Solar PV Project using PVSyst.
39	Y19EE027	Mohinipriya Chinthoti	Vardhan Consulting Engineers	16-8-2021 to 15-10-2021	Simulation and Calculation of AEP using PVSyst of Grid connected 100 KW Solar PV Project in Noida, U.P.
40	Y19EE028	Chirukuri Satish Babu	Verzeo	1-7-2021 to 31-8-2021	Hybrid & Electric Vehicle
41	Y19EE037	G.Supriya	Verzeo	1-8-2021 to 30-9-2021	Hybrid & Electric Vehicle
42	Y19EE038	Ganganaboina Rajyalakshmi	Vardhan Consulting Engineers	16-8-2021 to 15-10-2021	Simulation and Calculation of AEP using PVSyst of Grid connected 100 KW Solar PV Project in Noida, U.P.

43	Y19EE039	G.Naveen Kumar	Verzeo	1-6-2021 to 31-7-2021	Hybrid & Electric Vehicle
44	Y19EE040	Garikapati Mary Mounika	Internshala Trainings	6 weeks	Machine Learning
45	Y19EE041	Garnepudi Pavan Kalyan	Verzeo	1-6-2021 to 31-7-2021	Internet of things
46	Y19EE042	Gavallapalli Sravani	Hexnbit Skilling for Future Industry Partner - Tevatron Technologies Pvt. Ltd.,	27-1-2022 to 10-3-2022	Artificial Intelligence and Machine Learning
47	Y19EE044	Chinna Rayudu Goddu	Skill Dzire	20-1-2022 (4 weeks)	Electric Vehicle Technology
48	Y19EE045	Gogineni Ramgopal	Skill Dzire	20-1-2022 (4 weeks)	Electric Vehicle Technology
49	Y19EE046	G.V.Sathwik Gupta	Vardhan Consulting Engineers	1-6-2021 to 31-7-2021	Simulation and Calculation of AEP using PVSyst of Grid connected 100 KW Solar PV Project in Noida, U.P.
50	Y19EE047	Gunji Mani Deep	Vardhan Consulting Engineers	1-6-2021 to 31-7-2021	Solar PV - Simulation and Designing
51	Y19EE048	Gurajala Sravya	Hexnbit Skilling for Future Industry Partner - Tevatron Technologies Pvt. Ltd.,	5-5-2021 to 16-6-2021	PCB Designing
52	Y19EE049	Harinadh Babu	Vardhan Consulting Engineers	1-6-2021 to 31-7-2021	Solar PV - Simulation and Designing
53	Y19EE050	Jangam Praneetha	Verzeo	1-7-2021 to 31-8-2021	Hybrid & Electric Vehicle

54	Y19EE051	Kagga Deepak	Hyderabad Institute of Electrical Engineering, Hyderabad	24-5-2021 to 29-6-2021	Electric Vehicles
55	Y19EE052	Kaipu Venkata Sireesha	Internshala Trainings	8 weeks	Web Development

#### **IEEE Activities:**

- In a worldwide IEEE day photo contest 2021 held on 5 Oct 2021 by IEEE, USA IEEE student Branch of RVR & JC College of Engineering Secured First place and a prize amount of US\$500.
- Four member team of IEEE student Branch won third prize in EUREKA 2021, a prestigious event conducted by IEEE pune section. This team competed with 145 teams containing 529 students from all over India.
- The student branch is also recognised for the support extended to non-active student branches around Guntur in making them active under SAC Buddy program and was awarded a cash prize of 5000/-.
- Recently for the efforts in increasing membership counts, conducting various technical and Non-Technical events, support extended for Guntur Subsection and Hyderabad sections the student branch of RVR&JC College of Engineering was awarded the Exemplary student Branch Award and the student Branch chair Sri Harshini V was also awarded Exemplary student Volunteer award for the year 2021 during Student Section at Hyderabad.

#### **Seminars/ Workshops/Conferences/Short Term Courses/ Symposia attended by the faculty:**

- T.R.Chandni, One week online Short Term Training Program (STTP-Phase-III) ‘Simulation Tools for Electrical Engineering & its real time applications’, Department of EEE, KHIT, 28 June to 03 July 2021.
- Y.Sumanth, ATAL Academy online Elementary FDP, ‘ MATLAB: An Effective Tool for Academics and Research’, Laxminarayan Institute of Technology, R.T.M. Nagpur University, 5-9 July 2021.
- T.R.Chandni, Seven Days Webinar Series, ‘Smart Grid Integration and Energy Storage Systems’, Department of EEE, New Horizon College of Engineering, Bengaluru in association with Sri Ramakrishna Engineering College, 10-16 July 2021.

- A. Rama Koteswara Rao, ATAL Academy online FDP, 'Introduction to the Mathematical Modelling of Smart Materials and their applications to Sensors and Actuators', IIT Jammu, Jammu & Kashmir, 12-17 July, 2021.
- T.R.Chandni, online one week FDP, 'Recent Trends in Electrical Engineering', Department of Electrical & Electronics Engineering, Oxford College of Engineering, 12-17 July 2021.
- K. Radha Rani, ATAL Academy online FDP, 'Electric Vehicles: Technologies and Challenges', A.D.PATEL Institute of Technology, Gujarat, 20-24 July 2021.
- K. Radha Rani, one week FDP 'Smart Grid Markets: Key Trends, Challenges and Opportunities', Department of Electrical Engineering of NIT, Warangal, 27 July to 31 July 2021.
- A. Rama Koteswara Rao, ATAL Academy online Elementary FDP, 'Research Confront and Document Preparation using LaTeX', NIT Kurukshetra, 02-06 Aug, 2021.
- G.Sambasiva Rao, G.Veeranjaneyulu, N.Dharani Kumar, Two week STTP, 'Emerging Technologies in Electric Vehicles', Department of Electrical and Electronics Engineering, Bapatla Engineering College, 02- 14 August, 2021.
- A. Rama Koteswara Rao, ATAL Academy online Elementary FDP, 'Challenges and Opportunities in Integration of Electric Vehicles with Smart Electric Grids', National Institute of Technology Goa, 16-20 Aug, 2021.
- T.R.Chandni, One Week National Level Online FDP, 'Recent Trends in Electrical Engineering', Department of EEE, Geethanjali Institute of Science and Technology, Nellore, 16-23 Aug, 2021.
- G.Veeranjaneyulu, AICTE-ISTE Sponsored 6 Days Online Faculty Induction Program 'Advances in Renewable Energy Technologies: Opportunities and Challenges (Phase-III)' JIET, Jodhpur, 25 - 31 August 2021.
- A. Rama Koteswara Rao, International workshop. 'Networks and Dynamical Systems', Complex Systems and Dynamics group & Indian Institute of Technology Madras, 25-28 Aug, 2021.
- G.Sambasiva Rao, G.Veeranjaneyulu, N.Dharani Kumar five days ATAL Academy online Elementary FDP, 'Control Techniques in Electric Vehicles and Battery Management', VNR Vignana Jyothi Institute of Engineering and Technology, 04-08 Oct 2021.
- T.R.Chandni, Two day National Level Online Workshop, 'Electrical Safety Measures in Power Grid Applications', Sri Ramakrishna Engineering College, Coimbatore, 22-23 Oct 2021.
- K. Radha Rani, G.Sambasiva Rao, N.C.Kotaiah, A. Rama Koteswara Rao, Y.Sumanth, N.Dharani Kumar, P.V.Mahesh T.R.Chandni, G.Veeranjaneyulu, one week National level Intercollegiate online FDP, 'Outcome Based Education & Bloom's Taxonomy', Internal Quality Assurance Cell of Ramakrishna Mission Vivekananda Centenary College, 08-15 Nov 2021.



- Y.Sumanth, N.Dharani Kumar,P.V.Mahesh, ATAL Academy online Elementary FDP, ‘Recent Trends in Renewable Energy’, Rajiv Gandhi Technical University, from 20- 24 Nov 202.
- N.C.Kotaiah, G.Veeranjaneyulu, One day Webinar, ‘Advanced Drives setup with WAVECT controller: A RCP System’ Department of EEE, JNTUHCEH and ENTUPLE Technologies, 26 Nov 2021.
- K. Radha Rani, one day Training Workshop on ‘Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act 2013’, AP Women’s Commission & Acharya Nagarjuna University with Collaboration of National Commission for Women, 15 Dec 2021.
- K. Radha Rani, one week online AICTE recognized FDP, ‘Power Quality and Harmonics’, Electrical Engineering Department NITTTR, Chandigarh, 29 Nov to 03 Dec 2021.
- G.Veeranjaneyulu, ATAL Academy online Elementary FDP, ‘Microgrid: A Path to Sustainability’, Department of EEE, Sarvajanic College of Engineering & Technology, 20 -24 Dec 2021.
- N.C.Kotaiah, ATAL Academy online Elementary FDP, ‘Zero Emission Vehicles for Sustainable Mobility’, Indian Institute of Information Technology Design and Manufacturing, Kurnool, 20 - 24 Dec 2021.

**Training & Placement Information:**

- The following students of **IV/IVB.Tech (EEE)** selected by **M/s. Tata Consultancy Services Limited, Hyderabad** during the campus recruitment exercise held during **07<sup>th</sup> & 08<sup>th</sup> August, 2021.**

S.No.	Regd. No.	Name of the Student	Course & Branch
1	L19EE210	Rohit Sambana	B.Tech (EEE)
2	Y18EE015	Chaganti Pranav Sreehaas	B.Tech (EEE)
3	Y18EE020	Chigurupati Asmitha	B.Tech (EEE)
4	Y18EE099	Narisetty Prasad	B.Tech (EEE)
5	Y18EE152	Venkatagiri Narayana	B.Tech (EEE)

- The following students of **IV/IVB.Tech (EEE)** selected by **M/s. Cognizant Technology Solutions (CTS)**, during the campus recruitment exercise held on **14<sup>th</sup> August, 2021 (PHASE – I Result).**

S.No.	Regd. No.	Name of the Student	Course & Branch
1	Y18EE020	Chigurupati Asmitha	B.Tech (EEE)

- The following students of **IV/IVB.Tech (EEE)** selected by M/s. **Hexaware Technologies Ltd.**, during the campus recruitment exercise held on **16<sup>th</sup> September, 2021**.

<b>S. No.</b>	<b>Regd. No.</b>	<b>Name of the Student</b>	<b>Course &amp; Branch</b>
1	Y18EE093	Naga Sahithi Gaddipati	B.Tech (EEE)
2	Y18EE153	Venkatesh Pandranki	B.Tech (EEE)
3	Y18EE154	Harinadh Babu	B.Tech (EEE)

- The following students of **IV/IVB.Tech (EEE)** selected by M/s. **Cognizant Technology Solutions** during the campus recruitment exercise held on **11<sup>th</sup> Sept., 2021**.

<b>S.No.</b>	<b>Regd. No.</b>	<b>Name of the Student</b>	<b>Course &amp; Branch</b>
1	L19EE186	Bhimavarapu Sasi Kumar	B.Tech (EEE)
2	L19EE187	Boddeda Udaya Bhaskar	B.Tech (EEE)
3	L19EE189	Ch Vamsi Krishna	B.Tech (EEE)
4	L19EE192	Ganjerupalli Sai Sumanth	B.Tech (EEE)
5	L19EE193	G Venkata Hema Chandu	B.Tech (EEE)
6	L19EE203	N Babavali	B.Tech (EEE)
7	L19EE210	Rohit Sambana	B.Tech (EEE)
8	L19EE211	Shaik Mohammad Lukhman	B.Tech (EEE)
9	L19EE213	Thota Pavan Kumar	B.Tech (EEE)
10	Y18EE002	Alapati Akhilesh	B.Tech (EEE)
11	Y18EE025	Chouturi Praneeth Babu	B.Tech (EEE)
12	Y18EE026	Darapuneni Eka Swaroopa	B.Tech (EEE)
13	Y18EE034	Pavan Kalyan Ganta	B.Tech (EEE)
14	Y18EE036	Gedela Manjith	B.Tech (EEE)
15	Y18EE042	Guggilam Mohana Sri	B.Tech (EEE)
16	Y18EE051	Jasti Akhila	B.Tech (EEE)
17	Y18EE055	Kalyani Vadde	B.Tech (EEE)
18	Y18EE066	Kongala Ayyappa	B.Tech (EEE)
19	Y18EE070	Kumbha Ramanjaneyulu	B.Tech (EEE)
20	Y18EE073	Lekkala Venkateswarlu	B.Tech (EEE)
21	Y18EE075	Linga Sravani	B.Tech (EEE)
22	Y18EE081	Mallela Sagara Harini Priya	B.Tech (EEE)
23	Y18EE082	Tejaswini Malneedi	B.Tech (EEE)
24	Y18EE084	Mansur Shaik	B.Tech (EEE)
25	Y18EE086	Meduri Dhanalakshmi	B.Tech (EEE)
26	Y18EE091	M Vasista Prabhakar	B.Tech (EEE)
27	Y18EE093	Naga Sahithi Gaddipati	B.Tech (EEE)
28	Y18EE094	N V Sai Keerthan Gunapalli	B.Tech (EEE)
29	Y18EE097	Nallapati Harika	B.Tech (EEE)
30	Y18EE099	Narisetty Prasad	B.Tech (EEE)

31	Y18EE101	Navya Yelore	B.Tech (EEE)
32	Y18EE104	Pavan Sai Nunna	B.Tech (EEE)
33	Y18EE105	Palapati Venu	B.Tech (EEE)
34	Y18EE118	R Sahithya	B.Tech (EEE)
35	Y18EE133	Shaik Riyaz Ahamed	B.Tech (EEE)
36	Y18EE137	Sri Harshini Vemula	B.Tech (EEE)
37	Y18EE141	T Himabindugaythri	B.Tech (EEE)
38	Y18EE142	Thurlapati Vamsi Krishna	B.Tech (EEE)
39	Y18EE152	Venkatagiri Narayana	B.Tech (EEE)
40	Y18EE158	Yeduru Nandivardhan Reddy	B.Tech (EEE)

- The following students of **IV/IVB.Tech (EEE)** selected by **M/s. Tata Consultancy Services Limited, Hyderabad** during the campus recruitment exercise held on **12<sup>th</sup> September, 2021**. (Part – 2)

S.No.	Regd. No.	Name of the Student	Course & Branch
1	L19EE186	Bhimavarapu Sasi Kumar	B.Tech (EEE)
2	Y18EE019	Vasanthi Cheparthi	B.Tech (EEE)
3	Y18EE045	Ila Kalyani	B.Tech (EEE)
4	Y18EE051	Jasti Akhila	B.Tech (EEE)
5	Y18EE072	Lanka Likhitha	B.Tech (EEE)
6	Y18EE076	Maddina Durga Priyanka	B.Tech (EEE)
7	Y18EE091	M Vasista Prabhakar	B.Tech (EEE)
8	Y18EE093	Naga Sahithi Gaddipati	B.Tech (EEE)
9	Y18EE095	Nakkala Hanock	B.Tech (EEE)
10	Y18EE100	Navya Teja Padamati	B.Tech (EEE)
	Y18EE133	Shaik Riyaz Ahamed	B.Tech (EEE)

- The following students of **IV/IVB.Tech (EEE)** selected by **M/s. Tata Consultancy Services Limited, Hyderabad** during the campus recruitment exercise held on **12<sup>th</sup> September, 2021**. (Part – 3)

S.No.	Regd. No.	Name of the Student	Course & Branch
1	L19EE206	Pathakamuri Suneel Kumar	B.Tech (EEE)
2	L19EE213	Thota Pavan Kumar	B.Tech (EEE)

- The following students of **IV/IVB.Tech (EEE)** selected by **M/s. Zensar** during the campus recruitment exercise held on **12<sup>th</sup> November, 2021**.

S.No.	Regd. No.	Name of the Student	Course & Branch
1	Y18EE028	Davuluri Bindu	B.Tech (EEE)

- The following students of **IV/IVB.Tech (EEE)** selected by **M/s. ITC, Guntur**, during the campus recruitment exercise held on **06<sup>th</sup> November, 2021**.

S.No.	Regd. No.	Name of the Student	Course & Branch
1	Y18EE139	Sunkesula Raghavendra	B.Tech (EEE)

## **R & D Activities:-**

### **Research Papers Published in Journals:**

- L. Narayana Gadupudi, Gudapati Sambasiva Rao, Ramesh Devarapalli, ‘Seven Level Voltage Source Converter Based Static Synchronous Compensator with a Constant DC-Link Voltage’, Applied Sciences, Vol. 11, ISSN: 2076-3417, Aug 2021.
- CH.Naga Sai Kalyan, Gudapati Sambasiva Rao, ‘Coordinated control strategy for simultaneous frequency and voltage stabilization of multi-area interconnected system considering communication time delays’ International Journal of Ambient Energy(Taylor and Frnaxis), Vol. 41, ISSN: 2162-8246, Aug 2021.
- Thulluru Mounika, Dr. K. Chandra Sekhar, Dr. K. Radha Rani, entitled ‘Control and Management of Photovoltaic/ Wind/ Battery based Hybrid Micro grid System’, Design Engineering Journal, Issue 08, pp.8698-8706, ISSN: 0011-9342, Oct 2021.
- Shabana Banu Shaik, N.C.Kotaiah, G.V.P. Anjaneyulu, ‘Power Controlled DSTATCOM Using Fuzzy Logic Controller in Distribution System Applications’, Design Engineering, Issue 08, pp. 7137-7145, ISSN: 0011-9342, Oct 2021.
- Pandranki Sowjanya, Dr. K. Radha Rani, Dr. N. Chaitanya, entitled ‘Implementation of Optimization Techniques to Improve the Performance of Hybrid System’, Design Engineering Journal, Issue 08, pp.8348-8363, ISSN: 0011-9342, Oct 2021.
- V.Sarayu, M.VanithaSri, A.RamaKoteswaraRao, ‘Performance analysis of mono crystalline, poly crystalline and thin film material based  $6 \times 6$  T-C-T PV array under different partial shading situations’, Optik, Vol. 248, Dec 2021.
- Veeranjanyulu Gopu, Dr.M.S.Nagaraj, ‘Multi Renewable Source Integrated Distribution System for Optimal Power Sharing with Synchronization to Grid’, International Journal of Renewable Energy Research, Vol.11, No.04, pp. 1517-1525, Dec 2021.

### **Paper Presentations in Conferences**

- N.Dharani Kumar, A.Rama Koteswara Rao ‘Fuzzy Control Design for A Stand-Alone Wind Energy Conversion System’, Virtual International Conference on Recent Trends in Power Systems and Power Electronics-2K21, Narasaraopeta Engineering College, Narasaraopet, July 28 -29, 2021.
- V.Sarayu, A.Rama Koteswara Rao ‘PSO- RNN based MPPT of wind energy conversion system’, Virtual International Conference on Recent Trends in Power Systems and Power Electronics-2K21, Narasaraopeta Engineering College, Narasaraopet, July 28 -29, 2021.

- Ch.RangaRao, A.Rama Koteswara Rao ‘Loop Power Controller for Power Control in Distribution Feeders’, Virtual International Conference on Recent Trends in Power Systems and Power Electronics-2K21, Narasaraopeta Engineering College, Narasaraopet, July 28 -29, 2021.
- A.V. Sravanthi, K. Rajani, A.Rama Koteswara Rao ‘Global Maximum Power Tracking of PV System under Partial Shading’, 1st International Online Conference on Sustainable Development in Civil and Electrical Engineering, National Institute of Technology Kurukshetra, Dec 17-19, 2021.

### **Patent Applications Published**

- Dr. N.C.Kotaiah, Y.Suri Babu, M.Anitha, B.V.Vasanth Rao, P.Siva Krishna, Y.Sumanth, P.V.Mahesh, Dr.P.Tripura, Dr.K.Radha Rani, Dr.N.Chaitanya, Published Patent on ‘Method for assessing operating status of electrical motors using machine training (ML) models’, patent application No: 202141056413 A, on 10 December, 2021.
- Dr. G.V. Prasanna Anjaneyulu, V. Sarayu, Ch. Ranga Rao, N. Dharani Kumar, B. Sarath Chandra,Naveed Suhail, T.R. Chandni, Y. Mallikarjunarao, Published Patent on ‘Method for automatically upgrading a power tool system integrated with a cloud server and IOT module’, patent application No: 202141056444 A, on 10 December, 2021.

### **Internal Research Projects in Progress**

- Industrial Research Project titled ‘Application of Machine Learning for Non-Conventional Energy Sources (Solar PV Systems)’ sanctioned by ILIOS Power Private Limited, Hyderabad to Dr.A.RamaKoteswaraRao, P.Venkata Mahesh, P.SivaKrishna is in progress.



Management congratulating IEEE student Branch of RVR & JC College of Engineering team for winning third prize in EUREKA 2021

EDITORIAL BOARD

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