

MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

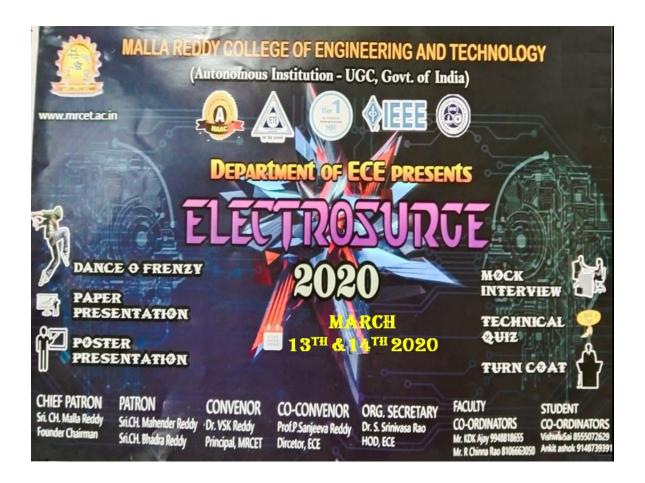
(Autonomous Institution – UGC, Govt. of India)

Recognized under 2(f) and 12 (B) of UGC ACT 1956

Affiliated to JNTUH, Hyderabad, Approved by AICTE - Accredited by NBA & NAAC – 'A' Grade - ISO 9001:2015 Certified)

Maisammaguda, Dhulapally (Post Via. Kompally), Secunderabad – 500100, Telangana State, India

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



2019-2020



A Two Day

National level Techno-Cultural-Sports Fest

ELECTROSURGE-2K20

March 13-14, 2020



Organized by

Department of Electronics and Communication Engineering

MALLA REDDY COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous Institution – UGC, Govt. of India)

(Affiliated to JNTU, Hyderabad, Approved by AICTE - Accredited by NBA & NAAC - 'A' Grade - ISO 9001:2015 Certified)

Maisammaguda, Dhulapally, Secunderabad – 500100, Telangana State, India.

www.mrcet.ac.in

Message from Chairman



It gives me immense pleasure to note that Department of Electronics and Communication Engineering of Malla Reddy College of Engineering and Technology has taken remarkable initiative for conducting a National level Techno-Cultural Fest "ELECTROSURGE-2K20" during March 13-14, 2020. I hope this Techno-Cultural Fest will provide a platform for the students across the country to share their views and knowledge in the rapidly emerging areas of Electronics and Communication Engineering.

I wish grand success for ELECTROSURGE-2K20

Sri Ch. Malla Reddy Founder Chairman, MRGI

Message from Principal, MRCET



It gives me immense pleasure to welcome all the students from various colleges to our Techno-Cultural Fest "ELECTROSURGE-2K20" to our college. This fest is aimed to develop knowledge, awareness of social implications of their respective disciplines, communications and management skills etc. of all the students. I hope that this Technical fest would be much information and fruitful to all participants, which give opportunities for students to develop their level of confidence to work in any kind of environment. Undoubted, it will be a great benefit to the participants and will enhance and strengthen their skills.

I congratulate Organizers, Students, Teaching and Non-Teaching staff for their untiring effort in conducting such a national level event a grand success.

DR.VSK REDDY
PRINCIPAL
CONVENER
ELECTROSURGE 2K20

Message from Dean, MRCET



I am extremely happy to welcome all the students to our national level Two Day Techno-Cultural Fest "ELECTROSURGE-2K20" with an aim to develop knowledge and skills among nascent techies. I hope this Fest would become a common platform for exchange of views on recent technologies among all the students, which develop their level of confidence and personality. Also, it will be befitting to students that Electrosurge-2k20 is bringing out to commemorate this March occasion. I am pleased to offer congratulations to the faculty and the student organizers for their effort.

I wish all the success.

Dr. M. Murali Krishna Dean, MRCET

Message from Co-Convener



I am glad to welcome all the students to our national level Two Day Techno-Cultural Fest "ELECTROSURGE-2K20" with a motto to help and improve Knowledge, Personality and to enhance student competence skills. It is an opportunity for all students to interact with one other and know more about the latest trends and new opportunities. I hope our college will continue to organize such events in future for the growth of society. I hope the students will utilize this opportunity to exhibit their talents on this occasion and get relief from the routine academic life.

I wish the event a grand success.

Prof. P. Sanjeeva Reddy, Director, ECE Co-convener ELECTROSURGE 2K20

Message from Organizing Secretary



It gives me a great pleasure to welcome all the participants to the ELECTROSURGE-2K20 organized by students with faculty mentorship of our college.

This kind of technical fests offer several intellectual activities, exposure for the skills of critical thinking, technical report writing, presentation skills etc to each one of the students with different fields of specialization.

I hope all the participants will carry sweet memories of technical fest. I extend my congratulations to all the staff and student participants and wish the National level Two Day Techno-Cultural Fest "ELECTROSURGE-2K20" a grand success.

Dr S Srinivasa Rao Professor & Head, ECE Organizing Secretary ELECTROSURGE 2K20

FOREWORD

In the global competition, quality has become the essence of success in every walk of our life. To meet the innovative standards in engineering research there is a dire necessity to boost up the quality of Engineering Education at a rapid pace to catch up with rapidly changing technology. This is the dynamic situation and we have to continuously update the expertise in the field of specialization. National events of this kind will help to ignite the young brains of the institutions to promote creative thinking. The department of Electronics and Communication Engineering is organizing a Techno-Cultural Fest "ELECTROSURGE 2K20" which provides a forum for exchange of expertise and skills in the fast-growing fields of Electronics and Communication Engineering.

Creation and Dissemination of Knowledge is a sacred mission of any technical institution. We are sure that this two-day Techno-Cultural Fest will provide an opportunity for the students engaged in this area to exchange their ideas and have fruitful discussion, which will provide an impetus for the rapid familiarization and advancements in the field.

We express our sincere thanks to Chief Guests and Guests for Inaugural session for accepting our invitation. We also thank Technical session chairs and experts in advisory committee for their valuable suggestions in organizing this Techno-Cultural Fest.

Dr. S. Srinivasa Rao Organizing Secretary Prof. P. Sanjeeva Reddy Co-Convener

Dr. VSK Reddy Convener

ABOUT MRCET

Malla Reddy College of Engineering and Technology (MRCET) is a constituent college of Malla Reddy Group of Institutions (MRGI) founded by Mr.Ch. Malla Reddy noted educationist and Founder Chairman, MRGI. At present there are 12 engineering colleges under MRGI with 30,000 students in the campus, making MRGI the largest group of institutions in Telangana, India. The MRGI is situated about 30 km from the International Airport, Hyderabad.

Malla Reddy College of Engineering and Technology (MRCET) is established in the year 2004, approved by AICTE, New Delhi and permanently affiliated to JNT University, Hyderabad. The MRCET College is offering B.Tech and M.Tech Programmes in the areas of Computer Science and Engineering, Electronics & Communication Engineering, Information Technology, Aeronautical Engineering, Mechanical Engineering, Mining Engineering and Master in Business Administration (MBA). The college also has UGC Autonomous status for both Engineering and Management Programs. The college also is accredited by National Board of Accreditation (NBA) and NAAC with 'A' Grade. The Institution is certified with ISO 9001:2015.

SPECIAL ACHIEVEMENTS:

- UGC Autonomous Institution, Govt. of India.
- Accredited by NBA, AICTE, New Delhi.
- Accredited by NAAC-A Grade, UGC, Govt. of India.
- Institute has been certified with ISO 9001:2015
- UGC 2f & 12(B) recognized institution, UGC New Delhi
- Research Centre Status, JNTUH, Hydearbad
- MoU with University of New Orleans, USA
- MoU with International Technological University, USA
- MoU with University Malaysia Sarawak (UNIMAS), MALAYSIA
- MoU with ECPI University, USA
- MoU with Lincoln University College, MALAYSIA
- MoU with Monmouth University, West Long Branch, NJ, USA
- MoU with Tandon School Engineering, New York University
- MoU with George Washington University, USA
- Recognized e.Gov Campus by Engineering Watch, Re-Engineering India.
- Granting of Permanent Affiliation status from JNTU, Hyderabad.
- MoU with National Aerospace Laboratories (NAL), Bangalore.

- Industry Institute Partnership Cell (IIPC)
- Indian World Record and special recognition in "Indian Book of Records" for outstanding performance of mastering the art of world largest painting World's Earth Day.
- MRCET is a life member of NHRD Network
- CISCO International Certification Authorized Centre.
- MoU with ESOL Examinations (BEC) University of Cambridge, UK.
- Approved to admit Foreign Students/PIO's
- Nodal Center: IIT Bombay/Kharagpur for Technology Transfer
- Microsoft Innovative Center.
- NASSCOM Nodal Center for NAC-Test Assessment
- JAVA Certification through Oracle Academy
- MoU with Tech Mahindra
- Business Incubation Centre MSME, Govt. of India
- Global Education and Career Counseling Centre
- Patents award 4 No's

ABOUT THE DEPARTMENT OF ECE

The Department is committed to establish, maintain and advance a broad understanding of Electronics & Communication Engineering to fulfill academic and professional objectives.

VISION

To evolve into a center of excellence in Engineering Technology through creative and innovative practices in teaching-learning, promoting academic achievement & research excellence to produce internationally accepted competitive and world class professionals.

MISSION

To provide high quality academic programmes, training activities, research facilities and opportunities supported by continuous industry institute interaction aimed at employability, entrepreneurship, leadership and research aptitude among students.

QUALITY POLICY

- 1. Impart up-to-date knowledge to the students in Electronics & Communication area to make them quality engineers.
- 2. Make the students experience the applications on quality equipment and tools
- 3. Provide systems, resources and training opportunities to achieve continuous improvement.
- 4. Maintain global standards in education, training and services.

ELECTROSURGE 2K20

THE MAN BEHIND THE SUCCESS OF MRCET:



Dr. V.S.K. Reddy, Principal, Malla Reddy College of Engineering & Technology has an experience of more than 20 years in Teaching and Industry put together. He is alumni of IIT Kharagpur; he obtained Ph.D. in the area of Multi-media Signal Processing and Communication Protocols. He is versatile in multidisciplinary specializations in Electronics & Communications and Computer Science Engineering. His laurels include more than 45 Publications in the National and International reputed Conferences and Journals.

Dr. V.S.K. Reddy strongly believes that only academics won't make an Engineer. Exposure to International organizations-their demands, what they expect from young engineers and how students should mold themselves to those demands would make him/her a Complete Engineer. The department of Electronics and Communication is organizing technical fest named as **Electrosurge 2k20**.

The students at the department of ECE always love to come to the department because of amazing faculty and 2 main people:

HEAD OF THE DEPARTMENT:



Dr. S.SrinivasaRao, completed his B.Tech in Electronics & Communication Engineering from one of the top engineering colleges in India, Madras Institute of Technology, Chennai. He did his M.Tech in Digital Systems & Computer Electronics from JNTU College of Engineering, Hyderabad. He did his PhD from JNTU University, Hyderabad in Wireless Communications. He has 26 years of teaching experience in various reputed engineering colleges in A.P & Telangana.

DIRECTOR:



Prof. P. Sanjeeva Reddy completed his B.E (Tele-Comm.) from Osmania University in 1966 and M.Tech, from IIT Madras in 1979. He has over 36 years of experience in DRDO as a scientist in various capacities out of which 21 years as Radar scientist at LRDE, Bangalore and the next 15 years as scientist in DRDL and RCI, Hyderabad and was actively associated with the development of a surface to air missile system under the guidance of late Dr. APJ Abdul Kalam, former President of India. After retiring from DRDO, he joined as Professor in ECE Dept. of MRCET in September 2006. He served as Head, ECE department from July 2010 to Sept. 2014 and presently he is Director, School of Electronics and Communication Engineering at MRCET. He is also the Dean for International studies, MRCET and has established MOUs with many foreign Universities.

Principal, Director and HOD help all the students of ECE; not only to become a successful Engineer, but also help them to become a Perfect Human being. They inspire, develop, motivate students at every step, every instant.

Malla Reddy college of Engineering & Technology

Department of Electronics & Communication Engineering

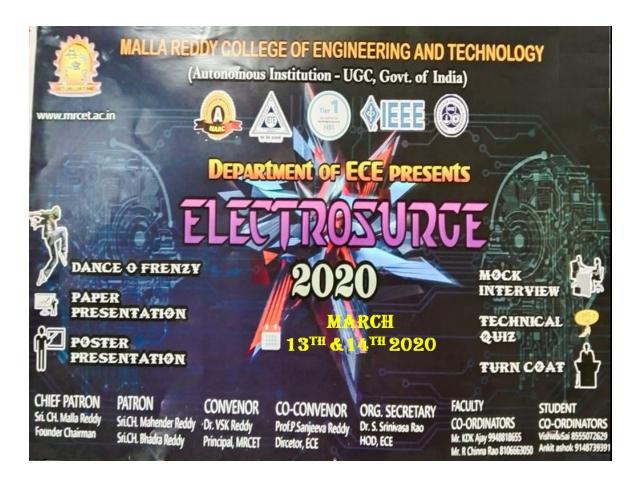
ELECTROSURGE 2K20

Committee Details

		Committee Details		
SNO	NAME OF		STUDENT	
	COMMITTEE	FACULTY COORDINATORS	COORDINATORS	MOBILE NO.
1	Co-Convener	Prof.P.Sanjeeva Reddy		
2	Organizing Secretary	Dr.S.Srinivasa Rao		
3	Coordinators	Mr.R.Chinna rao	KROVVIDI	
			MADHULASH BABU	
				9618204943
		Mr.M Ramanjaneyulu	OMKAR KULKARNI	7382051918
		Mr.K Mallikarjuna Lingam	BANOTH CHANTI	8686233500
4	Stalls & Spot Events	Mr Arun Kumar	Mr A Anil Kumar(3A)	9949512517
		Ms D Asha	Mr P Surya(2D)	7901083772
		Mr Ch Srinivasulu		
_	Campaign	Mr KLN Prasad	Mr Naga Sai(3D)	8121248878
5		Mr E Mahender Reddy	Mr Saketh Meni(3C)	7659029987
		Mr.M.Anantha Guptha	Mr D Jagan(2D)	9100867564
6	Rangoli	Mrs N Saritha	G Sahithya(3B)	8317554713
		Ms M Nagma	V Gowthami(2E)	9398650878
		Mrs Bhavana	P Navya(2D)	9182599829
7	Banners & Decoration	Mr T Srinivas	Mr Owais Khan(3C)	8106801638
		Mr Narendar Reddy	Mr Jaswanth(3C)	9666959757
		Mr B Pramod	Mr Vishnu Vardhan(2A)	9676268148
		Mr Harsha Vardhan	Mr Yasser(2C)	8897182301
8	Hospitality	Mr M Anantha Gupta	Mr Aishwarya(2D)	9121006212
		Ms G Anusha	Mr Venkat	9985670778
		Mrs. C Purnima		
9	Anchoring	Mrs.P Anitha	Ms Sreeja(2E)	9121590399
		Mrs Renju Panickar		
10	Photography	Mr Ch Kiran Kumar	Mr Ch Akhil(2E)	9381153080
		Mr Vinod	Mr P Akhil(2A)	9573114704

11	Registration Desk	Mrs Anusha M	Mr Preetham(2B)	7093417887
		Mr N Suresh	Ms Jahnavi K(2B)	9989590935
		Mrs S Rajani		
12	Paper Presentation	Dr Sucharitha	Ms A Niharika(3A)	9533673588
		Mr KDK Ajay	Ms V Harika(3D)	8008333934
		Mr B Kishan	Ms Anjali(2A)	9137670707
13	Poster presentation	Dr C Ravi Shankar Reddy	Ms M Sai Divya(3C)	7032331440
		Dr Shashi Kanth	Ms SreeChandana(3C)	
		Mr.G.S Naveen Kumar		
			Ms Suma G(2A)	7032957757
	Technical Quiz	Ms.P.Swetha	Mr Aswin Kumar(3B)	7660992948
14		Mr. K.Murali Krishna	Mr G Prakash(3B)	8897896784
		Mr.M.Sreedhar Reddy	Ms Krishna Priya(2C)	6300993011
15	Mock Interview	E Mahender Reddy	Vaibhav Shukla(3D)	9573783442
		Neha Takur	Y Aishwarya(3D)	7075132159
		Dr VM Senthil Kumar	P Sirisha(2D)	7893638187
16	Turn Coat	Dr Murugesan	Ashritha N(3A)	9502618094
		Mr KLN Prasad	D Harika(3A)	8639479599
17	Dance O Frenzy	Mr R Chinna Rao	V Sree Ram(3D)	9515231165
		Mr N Subhash	Akash Tha(3A)	9502618094
		Ms M Himabindu	Sujan Reddy(3B)	7702597493
		Mr S Rakesh	M Kranthi Kumar(2E)	9666158568
			S Jasika(2D)	9652964344
18	Sports Chairman's trophy Coordinator	Mr K Suresh	A Dikshith(3A)	8106431944
		Mr R Kiran		
19	Certificate Committee	Ms D Asha	Ms Ratna Kumari(2B)	8466990707
		Mrs G Vaidehi	G Saketh(2B)	9491758072
20	Finance	Mr.M Ramanjaneyulu		

EVENTS



- PAPER PRESENTAION
- **POSTER PRESENTATION**
- **MOCK INTERVIEW**
- **4** TURNCOAT
- **TECHNICAL QUIZ**
- **♣** DANCE O' FRENZY (DANCE COMPETITION)

.... and many more Spot and Fun Events



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DEPT.OF ELECTRONICS AND COMMUNICATION ENGINNERING

ELECTROSURGE-2K20

1. Paper Presentation

Registration fee per Batch: Rs 200/- (Maximum size of the Batch:3)

First Prize: Rs 800/-Second Prize: Rs500/-

Winners will Merit Certificate & Participation Certificate All Participants will receive Participation Certificate

2. Poster Presentation

Registration fee per Batch: Rs 200/- (Maximum size of the Batch:3)

First Prize: Rs 500/-Second Prize: Rs300/-

Winners will Merit Certificate & Participation Certificate All Participants will receive Participation Certificate

3. Technical Quiz

Registration fee per Batch: Rs 200/- (Maximum size of the Batch:4)

First Prize: Rs 800/-Second Prize: Rs500/-

Winners will Merit Certificate & Participation Certificate All Participants will receive Participation Certificate

4. Turncoat/Mock Interview

Registration fee per student: Rs 50/- (Maximum size of the Batch: 1)

First Prize: Rs 400/-Second Prize: Rs200/-

Winners will Merit Certificate & Participation Certificate All Participants will receive Participation Certificate

5. Dance O Frenzy

Solo Dance Registration fee: Rs 200/-**Group Dance** Registration Fee: Rs 400

Solo Dance First Prize: Rs 1000/-Solo Dance Second Prize: Rs750/-Group Dance First Prize: Rs 1500/-Group Dance Second Prize: Rs 1000/-

Winners will Merit Certificate & Participation Certificate All Participants will receive Participation Certificate

Mr.KDK AJAY Dr.S.Srinivasa

Rao

Co-ordinator HOD (E.C.E)

Guide Lines of Events

PAPER PRESENTATION

Faculty Coordinators: Dr Sucharitra, Mr KDK Ajay, Mr Kishan

RULES / GUIDELINES:

- Hard copy of the paper is to be submitted to the coordinator before the presentation
- ➤ Power Point Presentation is only allowed.
- Time duration is 10 minutes for each team, out of which 8 minutes is allotted for presentation and 2 minutes is allotted for questionnaire
- ➤ Panel of two judges will be evaluating the performance of each team.
- ➤ Best two papers will be selected for I and II prizes and Certificate of Merit will be given to the winners and Certificate of Participation will be given to all participants.
- In case of any dispute, decision of the organizers of the event shall be final

POSTER PRESENTATION

Instructions:

- A team of two is permitted to participate with each registration.
- > Only Poster material can be used for the purpose of this competition.
- All the required material has to be brought by the participants themselves, nothing will be supplied by the institute for the same.
- A panel of judges will judge the best poster and decide the Winner.
- ➤ Judges reserve the right to disqualify which is out of ECE domain
- In case of any dispute, decision of the organizers of the event shall be final

MOCK INTERVIEW

Every Engineer, aims for a good job to utilize his/her skills. Want to experience how the most important thing for anyone to get a job that is an 'Interview' feels like? Want to experience all the rounds that happen in your selection? Register in Mock Interview and analyze yourself, where you actually stand for.

If you succeed in impressing the interviewer with your skills, then you will be crowned as the winner!

Registration fee per Student: Rs. 50/-(Only 1 can participate, no groups) The First & Second place holders will get Cash Prizes! Winners will also get a Merit Certificate.

All Participants will receive Participation Certificate.

TURNCOAT

Ever wondered that the topic you speak on has both pros and cons. But you didn't get an opportunity to speak on both the aspects? Then you have to participate in "TURNCOAT". Turncoat gives you an opportunity to speak on both the aspects- positive and negative. There'll be a total of 3 bells which will indicate you to shift your phase from positive to negative or vice versa.

If you are able to deliver your topic effectively, you'll be crowned as the winner.

Registration fee per Student: Rs. 50/-(Only 1 can participate, no groups) The **First & Second place** holders will get Cash Prizes! Winners will also get a **Merit Certificate**. All Participants will receive **Participation Certificate**.

TECHNICAL QUIZ

- 1. Only team entries are eligible. A team shall consist of max four persons.
- 2. The decision of the quiz-master will be final and will not be subjected to any change.
- 3. The participants shall not be allowed to use mobile or other electronic instruments.
- 4. The questions shall be in the form of multiple choice, True / False statement, Specific-answer question etc.
- 5. Audience shall not give any hints or clues to the competitors.
- 6. Replacement of any participant of a team is not allowed after registration
- 7. Teams selected for the final rounds will be allowed to give themselves an appropriate name related to the competition by which they may want to be known.

ELIMINATION ROUND – (In case more than 6 teams register) on)

- Each team would be given a set of question paper containing 25 multiple choice objective type questions
- Time limit 15 minutes
- Only 6 Teams would be selected for STAGE ROUNDS
- In case of tie between 2 or more teams, further 5 questions would be asked for final selection. The selected teams shall have to appear for the final round.

FINAL QUIZ STAGE ROUNDS

Round 1: A question will be asked to a team and if they are unable to answer it will be passed to the next team - Rounds 4- **24 questions**

- Each team would be asked 4 questions each.
- 10 marks for correct answer and 5 negative marks for wrong answer.
- If a team cannot answer the question, they can pass the question & then the question would be forwarded to the next team.
- Answering time for the passed question is only 10 seconds. It will be forwarded to the next team if not answered.
- Team discussion is allowed.

Round 2- Audio-visual round

Teams will be shown clips and will have to answer. Rounds 2:12 questions

- 10 marks for the correct answer and negative 5 marks for the wrong answer
- Each Team would be asked 2 audio-visual questions. (1 slide in each round)

- Answering time is only 30 seconds.
- No passing to the next team. Audience can answer.

DANCE O' FRENZY

- 1. Faculty Coordinators: Mr R Chinna Rao, Mr S Rakesh, Mr N Subhash
- 1. The registration fee will not be refunded.
- 2. No act should exceed 5min. If it does, the music will be stopped.
- 3. The judge's decision will be counted as the final decision; any kind of an argument could lead to elimination.
- 4. A group should consist of a minimum of 4 people and should not exceed 12 people.
- 5. Any vulgarity in the act or music or any offensive material could lead to disqualification.
- 6. Costumes, choreography, synchronization and expressions will be the factors of judgment.
- 7. Teams should report at least 15min before the commencement of the competition.
- 8. Any sort of a misbehavior or bad conduct, I either with the crew or with the fellow participants will lead to elimination.

Certificates



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(Autonomous Instituition -UGC, Govt. of INDIA)
Marsammaguda, Dhulapally, Secunderabad - 500100

DEPARTMENT OF PLECTRONICS AND COMMUNICATION PROPRIETATING



ELECTROSURGE-2K20





Certificate of Merit



This is to certify that Mr /Ms___

has been awarded

rize

for participation in the event

for the

National Level Techfest held on March 13th & 14th 2020.

Dr.S Srinivasa Rao
Organizing Secretry

Prof.P.Sanjeeva Reddy
Co-Convenor

Dr.VSK Reddy

Convenor





(Autonomous Instituition -UGC, Govt. of INDIA)

Maisammaguda, Dhulapally, Secunderabad - 500100



EPARTMENTO FELECTRONICS AND COMMUNICATION ENGINEERI





ELECTROSURGE-2K20



Participation Certificate

This is to certify that Mr /Ms___

of

has actively participated in the event held in the National Level

Techfest held on March 13th & 14th 2020.

Dr.S Srinivasa Rao

Prof.P.Sanjeeva Reddy

Dr.VSK Reddy

Organizing Secretry Co-Convenor

Convenor

Event Photos















