



K.S.R.M. COLLEGE OF ENGINEERING

(UGC - Autonomous)

Kadapa, Andhra Pradesh, India- 516 003

Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu.




Department of Electronics & Communication Engineering

AVALANCHE-2K21

- Explosion of ideas

A Two Day National Level Online Technical Symposium

11th & 12th October 2021




Impatica (paper presentation) & Flyer (Poster Presentation)

- AI & ML
- VLSI & Embedded System
- Image & signal Processing
- IOT
- Advanced Wireless Communication
- Robotics



Ignite Talks

Engineering
Science
Technology
Global Issues



Circuit Mender



Business Model Canvas (BMC)



Photography



Ice Breaking Session

Registration fee for one event Rs. 50 /- per person.
for all events only Rs. 250/- per person.

 [kasmceofficial](https://www.facebook.com/kasmceofficial)
www.kasmce.ac.in

Merit Certificates will be provided for Winners & Participation Certificates will be Provided for all.



Scan or register here :
bit.ly/kasmce2k21

Faculty Co-Ordinators

Sri. Mahaboob Pasha
9866802432

Sri. Valli Basha
9490576710

Student Co-ordinators

K.Sai Bharath
7702284402

K. Sai Charan
9346128551

P. Geetha Reddy
9866537717

S. Sujita
9494394890

Dr. G. Hemalatha
HOD, ECE
Convener

Dr. V.S.S. Murthy
(Principal)

Prof. A. Mohan
(Director)

Dr. K. Chandra Obul Reddy
(Managing Director)

Smt K. Rajeswari
(Correspondent Secretary, Treasurer)

Sri K. Madan Mohan Reddy
(Vice- chairman)

Sri K. Raja Mohan Reddy
(Chairman)

AVALANCHE-2K21
Department of ECE, KSRMCE

Registration Form For (Symposium)

1. Name of Participant :
2. College Name :
3. Event Name :
4. Title of the Paper :
5. Year & Branch :
6. Address :
7. Mobile No. :
8. Email ID :

Place: _____
Date: _____ Signature of the Candidate

Bonafide Certificate

Mr./ M s

..... is a Student of our Institute. If selected

the applicant will be permitted to participate in the above programme.

Date: _____
Place: _____ Signature & Seal of the Principal/ HOD

(Xerox copies of registration form can be used if necessary)

Registration forms are available at
www.ksrmce.ac.in

Chief patrons:

Sri. K. Raja Mohan Reddy, Chairman
Smt. K. Rajeshwari, Correspondent
Sri. K. Madan Mohan Reddy, Vice Chairman
Dr. K. Chandra Obul Reddy, Managing Director.

Patron:

Prof A. Mohan, Director

Chairman:

Prof. V. S. S. Murthy, Principal

Convener:

Dr. G. Hemalatha, Professor & HOD

Staff Co-Ordinators:

Sri Md. Mahaboob Pasha, Asst. Prof. ECE
Sri A. Valli Basha, Asst. Prof. ECE

Organizing Committee:

Dr. M. Venkata Narayana, Professor & Dean of CRI
Sri R.V. Sreehari, Assoc. Prof. ECE
Dr. D. Arun Kumar Assoc. Prof. ECE
Dr. S. L. Prathapa Reddy, Assoc. Prof. ECE
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Miss S. Jabeen, Asst. Prof. ECE
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Miss P. Swetha, Asst. Prof. ECE
Sri P. Subba Rayudu, Asst. Prof. ECE
Dr. P. Giri Prasad, Asst. Prof. ECE
Sri G.A. Sanjiva Reddy, Asst. Prof. ECE
Sri P. Lokeshwara Reddy, Asst. Prof. ECE
Sri M. Dasaratha Rami Reddy, Asst. Prof. ECE
Sri K. Guru Prasad, Asst. Prof. ECE

Student Co-Ordinators:

- 1) K. Sai Charan 9346128551
- 2) K. Sai Bharath 7702284402
- 3) P.Geetha Reddy 9866537717
- 4) S. Sujita 9494394890

AVALANCHE-2K21

Explosion of Ideas

**A Two Day Online National Level
Technical Symposium
11th & 12th -October -2021**

Organized by

Department of ECE



**K.S.R.M. COLLEGE OF ENGINEERING
(AUTONOMOUS)**

Approved by AICTE, New Delhi
Affiliated to JNTUA, Anathapuramu
Accredited by NAAC, New Delhi
An ISO 9001:2015, Certified Institution
Kadapa- 516003, A.P.
Website: **www.ksrmce.ac.in**

About the Institute:

The college owes its existence to the keen interest of Late Kandula Obul Reddy to develop technical education in Rayalaseema region of Andhra Pradesh. With a view to translating his noble idea of imparting technical education into reality under the aegis of Sri Kandula Obul Reddy charities in the year 1980 that K.S.R.M. College of Engineering (KSRMCE) was established. KSRMCE is an autonomous college and its campus is located 7 K.M. away from Kadapa town on Kadapa to Pulivendula Highway in a calm and salubrious area of 35 acres. The college has an intake of 720 students with branches "Civil Engineering, Electrical & Electronics Engineering, Electronics & Communications Engineering, Mechanical Engineering, Computer Science and Engineering and Artificial Intelligence and Machine Learning.

About the Department: The department of Electronics and Communication Engineering was established in the year 1980. The department offers a four year B.Tech degree in ECE with intake of 180 and two year course of M.Tech degree in Embedded Systems and VLSI with an intake of 18. The department has also recognized as Research Centre to offer Ph.D in ECE from the academic year 2016-2017. The department has well qualified and competent faculty members. The department has well equipped laboratories.

Vision:

To emerge the Electronics and communication Engineering Department as a value based globally recognized center ensuring academic excellence, fostering research innovation and entrepreneurial attitude.

Mission:

M1: To be a student centric institute imbibing experiential, innovative and lifelong learning skills, addressing industrial and societal problems.

M2: To promote all-inclusive research and development.

M3: To inculcate entrepreneurial attitude and values amongst the learners.

M4: To strengthen National and International, Industrial and Institutional collaborations for symbiotic relations.

About AVALANCHE-2K21:

To provide a platform for students to develop technical knowledge by sharing their views in various fields and to improve their presentation skills.

Events Planned:

- Impatica (Paper Presentation)
- Flyer (Poster Presentation)
- Ignite Talks (Ted-talks)
- Circuit Mender (Circuit Debugging)
- Ice Breaking Session
- Business Model Canvas (BMC)
- Photography

Topics for Paper and Poster Presentation:

- ❖ AI & Machine Learning
- ❖ VLSI & Embedded Systems
- ❖ Image and Signal Processing
- ❖ Internet of Things
- ❖ Advanced Wireless Technology
- ❖ Robotics

Registration:

The candidates can register by scanning the below QR code and also are available .

bit.ly/ksrmce2k21



GENERAL INFORMATION:

- Registration fee of Rs.50/- per Person per event.
- The paper can have a maximum of 2 authors.
- Experts will review the presentation and selected Abstracts are intimated through e-mail.
- Duration for paper presentation is 10 minutes only
- Soft copy to be sent to the coordinator through e-mail or google forms submitted on the day of event.

Important Dates:

Last date for submission of Abstract through E-mail or Google form: 3rd October - 2021.

Date of intimation of selected Abstracts through E-mail : 5th October, 2021.
Last date for submission of Full paper, PPT and Flyer through E-mail or Google form: 8th October - 2021.
Date of Symposium: 11th & 12th October, 2021.

Address for Correspondence:

AVALANCHE – 2K21

Coordinator, Department of ECE
K.S.R.M. College of Engineering
Kadapa – 516003

Mail Id: avalanche2k21@ksrmce.ac.in

Website: ksrmce.ac.in

Mobile No: 8143731980, 9866802432.

EVENTS

Scan QR code in the poster for Registration or Through Google form link(bit.ly/ksrmce2k21):

1. IMPATICA (Maximum Two participants per Team)



Topics include:

- AI & Machine Learning
- VLSI & Embedded Systems
- Image and Signal Processing
- Internet Of Things
- Advanced Wireless Communication
- Robotics

Rules:

- The participants of selected students Mail their full paper to the given mail ID.
- The Abstract must be in Times New Roman font with not more than 150 words.
- The team must clearly mention the following details in their Mail:
 - Name of the participant (with a team name)
 - Year of Study
 - College name with full address
 - Contact details (Mail id & phone number)
 - Title of the Paper.

Time provided for each team is **10 minutes (Eight minutes for presentation and two minutes for queries.)**

Important Dates:

The Abstract Should be in .pdf or .doc format & Presentations should be in .ppt format and Should be mailed to avalanche2k21@ksrmce.ac.in on or before **5th October, 2021.**

Intimation of Paper Selected: **8th October, 2021.**

Symposium Dates : **11th & 12th OCTOBER, 2021.**

2. **FLYER (Poster Presentation)** (Maximum of Two Participants per Team)



Topics include:

- AI & Machine Learning
- VLSI & Embedded Systems
- Image and Signal Processing
- Internet Of Things
- Advanced Wireless Communication
- Robotics

Rules:

- Time provided for each team is **10 minutes**
- The participants must mail their soft copy of poster to the given mail ID.
- The team must clearly mention the following details in their Mail:
 - Name of the participants (with a team name)
 - Year and Department
 - College name with full address
 - Contact details (Mail id & phone number) Title of the Poster

Important Dates:

The Poster must be in .pdf, .JPG or .JPEG format and Should be mailed to avalanche2k21@ksrmce.ac.in on or before **5th October, 2021**.

Intimation of Paper Selected: **8th October, 2021**.

Symposium Dates: **11th & 12th OCTOBER, 2021**

3. IGNITE TALKS (present your ideas for our future)



Ignite talks is a grassroots initiative, created in the spirit of TED's overall mission to research and discover "ideas worth spreading." You have to present your talks based on science, technology, engineering and global issues. you have to talk about your idea up to 10 minutes.

Note: PPTs and posters are not allowed during participation.

Important Dates:

The Abstract Must be in .pdf or .doc format & mailed to avalanche2k21@ksrmce.ac.in on or before **5th October, 2021.**

Intimation of Selection: **8th October, 2021.**

Symposium Dates: **11th & 12th OCTOBER, 2021.**



4. CIRCUIT MENDRING:



RULES:

- There will be total 3 rounds.
- Original Schematic diagram and faulty circuit will be given.
- The participant has to locate the faults successfully within time limit.
- The participant will be promoted to the next round that has completed the task with minimum time.
- First round will be elimination round with simple circuits from fields of electronics and basic electrical circuits.
- Difficulty level will be raised as teams moving to the next levels.



5. ICE BREAKING SESSION:



DESCRIPTION:

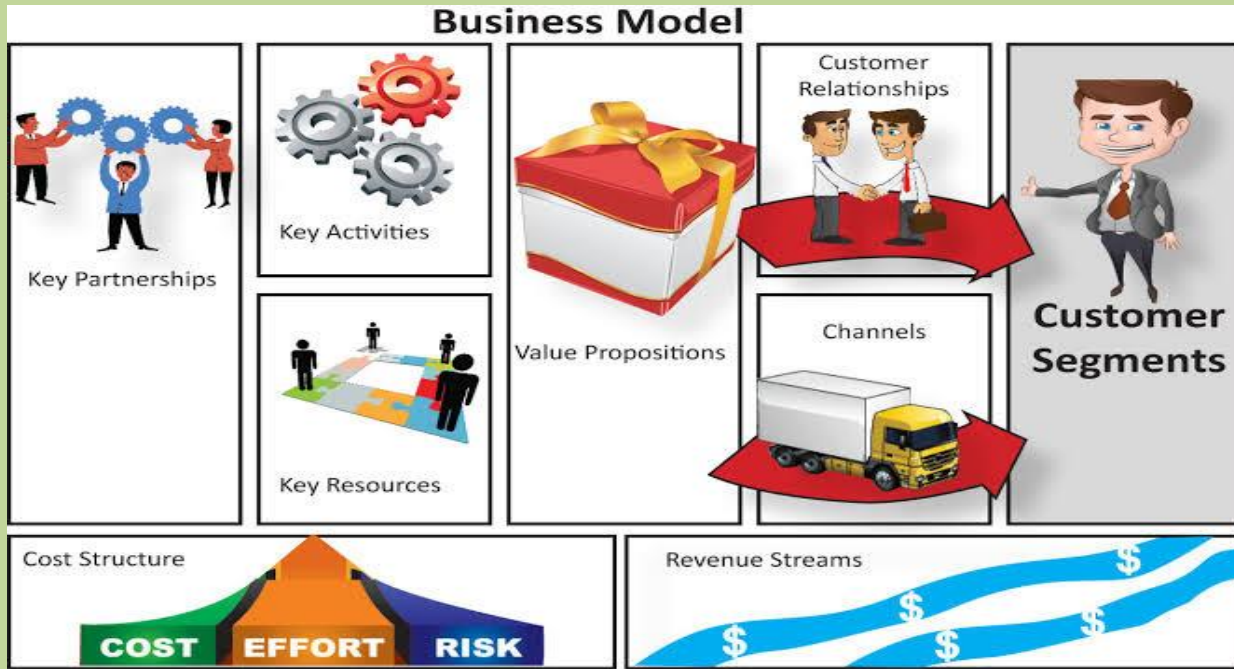
The intention of brainstorming is to leverage the collective thinking of the individual, by engaging with listening, and building on other creative thinking. Conducting a brainstorm also creates a distinct segment of time when you intentionally turn up the generative part of your brain and turn down the evaluative part. Brainstorming is the most frequently practiced form of ideation.

RULES:

- The individual must have to switch on the camera for the entire session.
- The individual must complete the task within the given time
- The participants must be very quick and accurate.
- Stay focused on the topic.
- Build healthy conversations.
- The jury decision will be final decision.
- Criticizing ideas is not allowed.
- Generate as many ideas as possible.



6. BUSINESS MODEL CANVAS:



DESCRIPTION:

A business model canvas is a visual representation of a business model, highlighting all key strategic factors. In other words, it is a general, holistic and complete overview of the company's workings, customers, revenue streams etc.

RULES:

- Keep your canvas model as simple as possible: restrain yourself to short descriptions.
- Try to design several models on the same canvas easily gets confusing.
- Don't copy from other sources.
- Your BMC must contain PROS & CONS.
- Template to be used to print A0, A2 or A3 format



7. PHOTOGRAPHY:



DESCRIPTION:

Photographer skills are those skills needed to create high quality artistic vision and technical knowledge of camera equipment and the art of photography. The camera is an Instrument that teaches people how to see without a camera.

“It is the photographer, not the camera, that is the instrument”. – Eve Arnold.

RULES:

1. The Photograph must be original.
2. Water mark of camera or mobile must be displayed on the photo.
3. Participants should upload their photograph along with picture information.
4. The Jury decision will be Final.



QR CODE

Keep your canvas model as simple as possible: restrain yourself to short descriptions