



**CMR ENGINEERING COLLEGE**  
(Accredited by NAAC | Approved by AICTE | Affiliated to JNTUH)

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**Department of Computer Science & Engineering**

**&**

**Department of Information Technology**

**A State Level Technical Fest Report**

**on**

**“TECHNOTHON 2K19”**

<b>Title of the Event</b>	: Technothon 2K19
<b>Date of the Event</b>	: 07.09.2019
<b>No. of Participants</b>	: 850+
<b>Venue</b>	: CMR Engineering College
<b>Co-ordinators</b>	: Mr. Rajinikanth B, Miss. M.Subhashini

**Aim and Objective:**

The main objective of the Technothon 2K19 is to provide a platform where students can exhibit their hidden knowledge and explore more.

**Description:**

The Technothon 2K19 was started at 10:00AM and the gathering was addressed by Mr. Srishailam Reddy, Secretary & Correspondent and Dr. A S Reddy, Principal, CMREC.

The College has planned to organized a one day state level technical fest Technothon 2K19 on 7<sup>th</sup> September 2019. The Technothon 2K19 was organized by various student chapters of CMREC. The CSE, IT, ECE and Mechanical Departments has actively conducted their respective events grand successfully. The Department of **Information Technology** has conducted two major events

**Coding Contest** with about 100 participants and **Spot Photoshop** with about 60 participants.

Other departments namely CSE has conducted events like Debugging, App Development and Model Design, ECE has conducted events like Circuit Hunt, Project Expo and D-Coding, and Mechanical Department has conducted events like Robotics League, CAD Design Contest, Rapid Prototype, and Drone Challenge.

All the events of Technothon 2K19 has organized and completed on the same day with final results of winners and runners. Every event has presented the winner and runners certificates along with prize money. All the participants of all events were provided with a participation certificate.

The closing ceremony was conducted on 7<sup>th</sup> September 2019 in the afternoon session. In this ceremony, Dr. A S Reddy, Principal, CMREC along with HODs and Professors of all departments has presented winning and participation certificates to the participants.

# Technothon 2K 19 Posters



## CMR ENGINEERING COLLEGE

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### CHIEF PATRONS

Sri. Ch. Narasimha Reddy  
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Vice - Chairman

Sri. Ch. Srisailem Reddy  
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Principal, CMREC

### ORGANIZING COMMITTEE

Dr. K.S. Reddy  
HOD - ME

Dr. Shoo Kumar  
HOD - CSE

Dr. Suman Mishra  
HOD - ECE

Prof. P Madhavi  
HOD - IT

# TECHNOTHON - 2K19

## One Day Technical Event

on 7<sup>th</sup> September 2019

Cash Prizes Worth ₹ 1,00,000/-

1<sup>st</sup> prize : ₹ 3000/- 2<sup>nd</sup> prize : ₹ 2000/-

Entry Fee:100/-

Scan the QR code for registration



<http://cmrec.ac.in/technothon2019.html>

Spot Registrations are also available

### EVENT COORDINATORS

Dr. B.Hari Krishna  
Professor, ECE Dept.  
Contact No.: 8499864427

Mr. B.Papachary  
Associate, Professor, ECE Dept.  
Contact No.: 8919718440

Mr. A.Anil Kumar Reddy  
Assistant Professor, CSE Dept.  
Contact No.: 7893548845

Mr. U.Mahender  
Assistant Professor, CSE Dept.  
Contact No.: 9494480252

Mr. K.Avinash Yadav  
Assistant Professor, ME Dept.  
Contact No.: 9173566655

Mr. V.Mukesh Reddy  
Assistant professor, ME Dept.  
Contact No.: 9542640582

Mr. B.Rajinikanth  
Assistant Professor, IT Dept.  
Contact No.: 8143173148

Ms. M.Subhashini  
Assistant Professor, IT Dept.  
Contact No.: 8328318924

### Events @ CSE & IT Department

- Debugging
- Coding Contest
- App Development
- Model Design
- Spot Photoshop

### Events @ ECE Department

- Circuit Hunt
- Project Expo
- D- Coding

### Events @ MECH Department

- Drone Challenge -
- Robotics League
- CAD Design Contest
- Rapid Prototyping  
Clear the Buzz

## సీఎంఆర్లో టెక్నోథన్ - 2కే19



విద్యార్థులు రూపొందించిన రొబోటెక్ పరిజ్ఞానాన్ని  
వీక్షిస్తున్న అధ్యాపకులు

**మేడల్ :** మేడల్ మండలం కండ్లకోయ పరిధిలోని సీఎంఆర్ కళాశాలలో శనివారం వస్తే టెక్నికల్ ఈవెంట్ టెక్నోథన్ - 2కే19 నిర్వహించారు. కళాశాల కార్యదర్శి, కరస్పాండెంట్ సి.శ్రీశైలంరెడ్డి, ప్రిన్స్ పాల్ ఏ.శ్రీనివాసులరెడ్డి కార్యక్రమాన్ని ప్రారంభించారు. కార్యక్రమంలో సీఎంఆర్ఈసీ, సీఎంఆర్సీఈటీ, సీఎంఆర్ఐటీ, సీఎంఆర్టీసీ కళాశాలల టీచింగ్ సిబ్బంది పాల్గొన్నారు. కార్యక్రమంలో వారు మాట్లాడుతూ టెక్నోథన్-2కే19 కంప్యూటర్ సైన్స్, ఎలక్ట్రానిక్స్ అండ్ ఇంజనీరింగ్, మెకానికల్ ఇంజనీరింగ్, ఇన్ఫర్మేషన్ టెక్నాలజీ యొక్క ఇంజనీరింగ్ విభాగాల నుంచి అనేక సాంకేతిక సంఘటనలను కలిగి ఉందని వివరించారు. కార్యక్రమంలో సుమారు వేయి మంది విద్యార్థులు, సమీపంలోని 50 ఇంజనీరింగ్ కళాశాలలు పాల్గొని బహుమతులు గెలుచుకున్నాయి. సృజనాత్మకత, సాంకేతిక డిజైన్లలో విద్యార్థులు తమలో తాము పోటీపడేలా సాంకేతిక సంఘటన రూపొందించారు. కార్యక్రమంలో డాక్టర్ సుమన్ మిశ్రా, డాక్టర్ షియో కుమార్, డాక్టర్ కె.శ్రీనివాస్రెడ్డి విజేతలకు బహుమతులు అందజేశారు.

## List of the Events of Technothon 2K19:

- 1.Coding Contest
- 2.Debugging
- 3.Spot Photoshop
- 4.App Development
- 5.Model Design

### Coding contest event details:

- The event was started at 10:00 am with pre talk where the coordinator explains about whole contest briefly.
- **The event was conducted with following rounds**

First Round – **CHOOSE AND GO**-10:00 to 11:30 in 20 mins slot each.

➤ First Round will be conducted ONLINE.

- Second Round- **PICK AND CODE** – 11:40 am TO 12:20pm.
  - Second Round will be conducted in 2 phases.
- Third Round- **BLIND CODE**-1:00 PM TO 1:30PM
  - One person is allowed to use keyboard without viewing monitor
  - Other Team member can guide him by viewing monitor but with Out voice communication and paper/ pen.
  - Code is given with Syntax Errors; Team has to correct it in allotted time period.

### Evaluation of Contestants' Programs

- All contestants will be given the same set of problems to solve.
- Each problem will have a specified point value. The more difficult the problem, the more points a correct solution will receive.
- Programs will be tested by two independent judges (appointed by the Contest Committee) by running them with a set of test inputs. The output for each test case will be marked as right or wrong using keys prepared before the contest.
- A program will be considered wrong if it fails to work on one or more of the test cases. It will otherwise be considered correct for the purposes of this contest. A correct program will be awarded the full points, an

incorrect one zero! In the event of a tie, programs will be awarded partial credits based on the number of tests correctly passed.

- The Contest Committee will tally the scores for each contestant and publish a complete list. The contestant with the four highest scores will be declared the winners. The Contest Committee's decision in all matters is final.

### **Spot photo shop event details:**

- The event was started at 10:00 am with pre talk where the coordinator explains about whole contest briefly.

### **The event was conducted with following rounds:**

#### **Round I**

1. Time will provide for round-1 is 40 minutes.
2. The participants are provided with 10 images which are used
  - Change background colour and design.
  - Extracting objects from the given images.
  - To create a logo using that object or their own.

#### **Round II**

1. Time will provided for round II is 60 minutes.
2. The participant has to design the given web template.
3. They may use previous round objects and logos to create a web template.
4. The best web template will be considered for the winning.

### **Debugging event details:**

The event was started at 11:00 am with pre talk where the coordinator explains about whole contest briefly."Debugging is twice as hard as writing the code in the first place. Therefore, if you write the code as cleverly as possible, you are, by definition, not smart enough to debug it."Hunt the code is an offline programming event, which tests your logical, mathematical and basic programming skills. Given the input and output of a program, you have to figure out what the program does.

## **The event was conducted with following rounds**

### **Round - minutes**

- A written round with mainly comprising of 3 question sets.
- Given a program analyze and fix it or find out the correct choice.
- Given a question participants have to write the answer of that.
- Questions will be both subjective as well as objective or puzzle type.
- Questions will test basic analytical, mathematical and programming skills of the participants.

### **App Development Event details:**

The event was started at 11:00 am with pre talk where the coordinator explains about whole contest briefly.

### **The event was conducted with following rounds:**

1. Only team entries are allowed.
2. The participants will be allowed to use mobiles or Laptops.
3. The Participants can use any ideas from different websites.
4. The Participants should develop the Apps within the allocated time.
5. The Participants should at least have basic knowledge about App Development.

### **Round name Develop & win**

#### **Topics**

1. Fragments using Data Binding
2. Login and registration using Retrofit or Volley
3. Animations
4. Game Designing
5. Location Sensor
6. Bluetooth
7. Adding Advertisements into Your Application

## **Model Design Event details:**

- The event was started at 11:00 am with pre talk where the coordinator explains about whole contest briefly.

## **Event Descriptions:**

Success of an engineer is determined by his efficiency in communicating his/her ideas. **TECHNOTHON-2K19**, CMREC brings you "Model Design" to enhance your abilities to deliver visual presentations alongside sharpening your technical knowledge. Participate to evaluate your communicating abilities and improve your knowledge in technical fields.

## **The event was conducted with following rounds:**

### **TEAM SPECIFICATION**

- Each team may consist of maximum 2 participants.
- Members of a team may be either UG or PG.
- Members of a team may be from same college or different (UG or PG).
- Any number of teams can participate from a college provided the content of their Model Design/posters is different.

## **Topics/Domains and Sub categories of the Domains for CSE and IT students:-**

- I. Information Retrieval
  - a. Data Mining and Knowledge Discovery
  - b. Text, Audio, Video and Image mining/retrieval technologies
  - c. Automatic classification models
  - d. Supervised and unsupervised models, methods etc.,
- II. Network Technologies and Information Security
  - a. Novel Routing Algorithms and network models
  - b. Mobile Ad-hoc Networks
  - c. Innovative Hacking prevention solutions etc.,
- III. Algorithms , Novel Models and Analysis
  - a. Graph traversing Techniques, models and methods
  - b. Optimal Time and Space consumption algorithms and analysis
  - c. Large Scale network algorithms modeling and design etc.,



- IV. Artificial Intelligence and Machine Learning
  - a. Natural Language Processing
  - b. Information Selection, Reduction and Extraction techniques
  - c. Smart design models and IoT
  - d. Semantic web design technologies
  - e. Novel Statistical and probabilistic models based machine learning approaches
  - f. Applications of AI and Machine Learning etc.,

#### **ABSTRACT SUBMISSION GUIDELINES**

1. **TITLE** – Should be short and concise, containing no abbreviations, and indicating the nature of the work.
2. **OBJECTIVE(S)** - Defined as the hypothesis or the purpose of the study.
3. **METHODS** - Defined as the study design.
4. **RESULTS** -Includes the outcome of the study and statistical significance if appropriate.
5. **CONCLUSIONS** - State conclusions drawn from this study and their significance.
6. You may or may not include the references.

## Winners and Runners:

S. No	Event Name	Student Name	Position	Department
1	CODIND CONTEST	AkhileshGoud G	I	IT
		Poojitha		
2	SPOT PHOTOSHOP	Madhuri	I	IT
		Laxman		
		Anusha		
3	APP DEVELOPMENT	Jaideep	I	CSE
		Jaitej		
		Izaaz	II	CSE
4	MODEL DESIGN	Chandana	I	CSE
		Harshitha		
		M Rakesh	II	CSE
		V Akhil Raj		

Certificate:



**CMR**  
EXPLORE TO INVENT

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**CMREC  
TECHNOTHON**



**CERTIFICATE**

This is to certify that

Mr/Ms. ....of.....Branch of.....

has participated in the event of..... and achieved..... prize

as a part of TECHNOTHON-2K19 held on 7th September 2019.

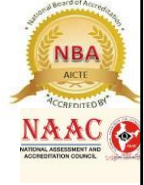
**( Dr Suman Mishra )**  
CONVENER - I

**(Dr. Sheo Kumar)**  
CONVENER - II

**(Dr. A S Reddy)**  
PRINCIPAL



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## Department of Information Technology

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### REGISTRATION FORM

1) Name of the Participant:

2) College Name:

3) Highest Qualification:

4) Participating in :

5) Primary Phone Number:

6) Alternate Phone Number:

7) E-Mail ID:

10) Nature of Registration (Spot):

11) *Particulars of Registration Fee:*

Amount Rs. (In words: ) \_\_\_\_\_

*Date:*

*Signature of the  
Participant*

*Signature of the HOD/ Head of Organization  
(Seal)*

## Inauguration & valedictory





**Sample photos:**



