COMPUTER SOCIETY OF INDIA (C.S.I)

"IT for Masses"

The Largest IT Professional Society of India

WELCOME TO THE COMPUTER SOCIETY OF INDIA

The seed for the Computer Society of India (CSI) was first sow in the year 1965 with a handful of IT enthusiasts who were a computer user group and felt the need to organize their activities. They also wanted to share their knowledge and exchange ideas on what they felt were a fast emerging sector. Today the CSI takes pride in being the largest and most professionally managed association of and for IT professionals in India. The purposes of the society are scientific and educational directed towards the advancement of the theory and practice of computer science and IT.

In a span of less than 4 decades, the organization has grown to an evitable size of 30,000 strong members consisting of professionals with varied backgrounds including Software developers, Scientists, Academicians, Project Managers, CIO's, CTO's & IT vendors to just name a few. It has spread its branches all over the country. Currently rooted firmly at 62 different locations, CSI has plans of opening many more chapters & activity centers in smaller towns and cities of the country. The idea is to spread the knowledge and provide opportunities to as many interested as possible.

The activities of chapter / Student branches include lecture meetings, seminars, conferences, training programmers and visits to installations.

The mission of the CSI is to facilitate research, knowledge sharing, learning and career enhancement for all categories of IT professionals, while simultaneously inspiring and nurturing new entrants into the industry and helping them to integrate into the IT community. The CSI is also working closely with other industry associations, government bodies and academia to ensure that the benefits of IT advancement ultimately percolate down to every single citizen of india.CSI events range from guest lecturers to workshops, from conferences to mock tests as well as various competitive events. This all provides students an opportunity to interact with eminent scholars, broaden their knowledge base as well as test their acquiredskills.CSI encourages students to put forth their ideas by conducting various activities.

CSI IT AWARDS

CSI has instituted National IT awards to encourage and promote the spread of IT.

- CSI National IT Awards in three separate categories to recognize "Significant Contributions to the promotion of IT applications"

- These Awards are categorized in Best Software, Best Shrink Wrapped Software and Best IT Usage:"Best Quality Project in the country", "Young IT Professional Awards" & "E-Governance"

Fellowship Awards: The society instituted in the year 1979, the Fellowship Awards to honor distinguished personalities who have served to society.

- Best Student Branch Award

- Best Student Chapter Award

- Best Chapter News letter Award

- AnitaKhanna Memorial Award:(Student standing 1st in Exams)

- vandnaGoyla Award:(Female candidate scoring highest marks in NSE)

- Dr.Virendraa Gupta Memorial Award:(Best Student Page Postgraduate)

Why Be a Member of CSI?

The "Computer Society of India" is a professional body where computer professionals meet to exchange views and information, to learn and share ideas. The wide spectrum of members is committed to the advancement of the theory and practice of Computer Engineering and Technology Systems. Science and Engineering, Information Processing and related Arts and Sciences.

CSI is the oldest and largest organization of IT Professionals in India having 27,000 members and 63 Chapters and more than 200 students Branches across the country exclusively focusing on the interest of the IT Professionals.

SPECIFIC BENEFITS TO MEMBERS

- Discount on registration fee for all evets conducted by CSI
- Discount of 20% on membership of IEEE Computer Society(IEEE-CS)

- Discount of 5% uniformly for purchase of all Zenith products TECHNICAL VALUE ADDITION TO MEMBERS CSI publishers and mails them free of charge to all members

- A Monthly "CSI Communications" & A Quarterly "CSI Adhyayan"

- Quarterlies:"CSI Digest" & "Computer Science & Informatics"

Besides the activities held at the chapter and student Branches, the society also conducts periodic conferences, seminars at Regional and Divisional levels.CSI members can apply for CICC training courses conducted at Japan as and when the announcement is made.CSI promoted and provides financial support for research work in contemporary areas in IT and Computer Science. Preference is given to CSI members. Members whose papers are selected for presentation in leading Database conferences such as VLDB, ICDE etc can approach CSI for travel support to attend such conferences.

For more information, visit the CSI website at www.csi-india.org or www.compsoc.in

> **Contact Details: Dr.G.P.Saradhi Varma,**
>
> **Students counselor, CSI-SRKR, Principal,**
>
> **SRKR Engineering College,**
>
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CSI: Venue for CSI SRKR Events

Election of Executive Committee 2017-18:

The students of SRKR Engineering College approached the Student Counselor of the CSI Chapter of the college, Dr.G.P.Saradhi Varma to form an executive body of the CSI-students chapter. He readily agreed the proposal and advised to conduct elections in order to elect the body. Then the elections took place in the presence and supervision of Dr.G.P.Saradhi Varma.

The executive body of the CSI student's chapter was formed and initially met for discussing the activities to be conducted in this academic year. The executive body also conducted membership drive for the students of all academic years of C.S.E and I.T.A power point presentation was given to all the students of both the departments to focus on the benefits of becoming a member of CSI. Several students newly enrolled as the student members of CSI, after which the organizing of activities of students members started.

CSI SRKR (AP-69) – EXECUTIVE COMMITTEE 2017-18

CSI Student Chapter (AP-69)Co-ordinator	Dr. G.P. Saradhi Varma
Faculty co-ordinator	Dr. I.Hemalatha
Faculty co-ordinator	Sri K.Kishore Raju

Chair person	N.Venkata Reddy		
Vice Chair Persons	B. Deepika Chowdary	K. Sravani	K. Purushotham Kumar
Secretary	Ch. V. R. S. Phanindra	K. Pavan Krishna	P. Ganesh
Joint Secretary	B. S. S. D. Uma Sankar K. Yogendra Sai Pavan	N. Devi Aparna S. Sahitya	
Treasurers	A. Sriharsha	P. B. Ramanuja Sandeep	
Student Co-Ordinator	G. Kumar Narayana Gupta J. Ramani K. R. Geethika	M. V. S. L. Sravanthi G. Sri Satya Krishna	
Executive Committee Members	G. Hemachand Ch. Karthik G. M. V.Subrahmanyam B. Surya ashish Varma P. Ravi Kumar A. Akhil Varma K. Bangaru Ankarani V. Mamatha Sai G. Naga Venkata Satya Priyanka D. Jayakrishna Sai A. Sri Sai Krishna A. pavani	J. Sri Raja Rajeswari C. Sai Sree Navya K. Lakshmi Veerraju Srikanth G. Anjaneya Prasad M. Himakar D. Lakshmi Devi M. Mohana Surya I. Shashank Varma B. Satyabharathi S. Devi Sri Durga U. Swathi	

CSI
COMPUTER SOCIETY OF INDIA

NNUAL REPORT OF

EVENTS CONDUCTED

BY THE STUDENTS BRANCH OF
S.R.K.R.ENGINEERING COLLEGE
BHIMAVARAM, A.P – 69

FOR THE ACADEMIC YEAR 2017-2018

EVENTS CONDUCTED (2017-2018)

	FRESHERS DAY (11-07-2017)			
	SPRANKY-1(Conducted for 2ⁿᵈ years)			
S.no	EVENT	Date	No.of students participated	Winners
1	Introduction	25-07-2017	35	**SPARK TEAM** Kavya Himaja Renu Ganesh venkatarao
2	Technical questions on c-round-1			
3	Technical questions on c-round-2			
4	Fun Event			
	SPRANKY-II(Conducted for 1ˢᵗ years)			
1	Introduction about CSI	03-08-2017	50	**AVENGERS TEAM** Harika Harsha Ramya Sundar Surya pavan
2	Prerequisite Class			
3	Logical Quiz			
4	Logo Round			
5	Questionario			
6	Fun Quiz			
7	Fun rounds			
	SPRANKY-III(Conducted for 1ˢᵗ years)			
1	Coding	08-08-2017	35	**NIGHTRIDER TEAM** Vishnu Sai Kiran Ram Lakshmi devi
2	Logical Round			
3	Fun Round			
	SPRANKY-IV(Conducted for 1ˢᵗ years)			
1	Flair	07-09-2017	45	**IT PROGRAMERS** R.Lovaraju P.gayatri K.Sarika T.hImabindu M.Swapna J Kavyasri D Akhil
2	TechBuzz			
3	Amuzement			
	SPRANKY-V(Conducted for 2ⁿᵈ years)			
1	Bloom Fire	30-08-2017	45	**IT PROGRAMERS** Gopi Mahindra Ram Sai pallavi Sirisha
2	Series			
3	Logos			
4	Mythology			
5	Blood Relations			

WEEKLY PROGRAMS

As a part of CSI Activities, events are conducted by named Spranky events.

SPRANKY EVENT-I

Computer Society Of India

Orientation Program

Exclusively for 1st Year

Venue: IT Seminar Hall   Date: 25th July 2017 (Tuesday)   4:00 PM

The intension of this orientation program is to make sure that the first year students are aware of Computer Society of India.

CONCENTRATION:

- Acquaint with regular academic.
- Idea about available resources.
- Idea about CSI.
- Some non-technical events.
- Interaction with CSI body.

The total number of participants is 32.

EVENTS:

- Introduction about College and Department by K.Sravani.

Guidance is given to the students of how to utilize the resources provided by our college and the availability of technology centre to put forth their ideas into implementation. The facilities provided by the college and department for students are heeded.

- Introduction about CSI by N.Aparna.
-

Brief introduction is given to students about CSI. The mission of CSI and the events conducted are postulated, thereby leaving a vivid impression on CSI.

- Explanation about Projects in CSI by B.Sankar.

The reasons for "why a student should be a part of CSI?" is made obvious. The benefits and achievements of CSI are postulated. A view of how to put forth their ideas into implementation is given. Projects done by their seniors are disclosed.

- Explanation about C programming and coding by P.Ganesh and Ch.Phanindra.

Some tips on starting to code at beginner's level are stated and some reference websites are given.

- Fun events by Ramanuja Sandeep and N.Venkata Reddy.

It consists of 3 rounds to test student's logical ability, general knowledge and spontaneity.

- **Mathematical Puzzles:**

Some logical questions on mathematics are posed to test their logical ability.

- **Tag Lines:**

Some famous logos are displayed and the tag line of that logo should be guessed.

- **Movie Names:**

Some pictures related to a movie are displayed and the movie name is to be found out

VENUE:

IT Seminar Hall on 25th July 2017(Tuesday) at 3:30pm.

ORGANISERS:

Boys:

P.Ganesh

Ramanuja Sandeep

B.Sankar

Satya Krishna

N.Venkata Reddy

A.Harsha

K.Pavan Krishna

Girls:

Sravani Kanuri

Aparna Nimmagadda

Sravanthi Mahankali

SPRANKY EVENT-II

TECH BIZARRE: The intension of this program is to create competitive spirit among 3rd year students.

CONCENTRATION:

- Idea about different kind of networks
- Technical quiz
- Some fun events
- Interaction with CSI members

EVENTS:

- Explanation of different kind of networks available by B.UmaShankar

> **TOPICS COVERED:**
- Introduction to networks
- Different types of networks – SAN,DAS,NAS,DNS
- Capacities of the networks
- Real time examples.

- **Non-technical quiz**

 This is the 1st round of quiz .In this round the students was questioned on the current affairs of 2017.

The 2nd round contains the questions based on Ramayana, Mahabharata, Bhagavatham and all other epics.

The 3rd round is based on the technologies, from invention of computer to the today's latest technology.

- 4th round is based on c language includes operators, arrays , functions and pointers.
- 5th round is based on fun i.e. on movies.

VENUE:

IT Seminar Hall on 3rd August 2017 at 4:30 p.m.

ORGANISERS:

Girls: **BOYS:**

S.Sahitya   B.UmaSankar
B.Deepikachowdary   G.kumargupta
J.Ramani   Ramanjuna Sandeep
M.Sravanthi   P.Ganesh
K.geethika   K.Purushothamkumar
N.Aparna   A.Harsha

One team is selected as winner.

The team members are
1. K. Sai Bhargavi   3/4 B.TECH
2. D. Bhavana   3/4 B.TECH
3. M. renuka   3/4 B.TECH
4. B. Hemalatha   3/4 B.TECH
5. D. Akhil   3/4 B.TECH

SPRANKY EVENT-III

AGENDA:

The main motive of the event is to introduce LOGICAL REASONING and EFFECTIVE CODING TECHNIQUES to 2nd B.Tech students.

CONCENTRATION:

→To make them get attracted to competitive coding world.

→Improve ability to think logically so, that critical reasoning capabilities are developed.

→Quiz on random topics concentrated more on logos of branded companies.

EVENTS:

1. CODING:

The first round is on coding which is dealt by the secretaries, P.GANESH and CH.PHANINDHRA of the CSI.

→They first introduced best competitive coding websites.

→They have presented a program on "addition of two numbers" of about many test cases resolved which created a fascinating mood in crowd.

→They ended saying the importance of coding and how to register on those websites.

2. LOGICAL REASONING:

The second round of the event is handled by the Vice chair, K.SRAVANI.

→She has first given a sample question to create curiosity among crowd.

→And then proceeded with a set of question

→The crowd is divided among themselves into teams and each team was pozed a question like quiz.

→The main motto is to make their brain habituated to lateral thinking.

3. QUIZ

→The last round of the event is handled by the chair, N.VENKATAREDDY.

→It's basically a round conducted to refresh young brains, who attended the event.

→It created a curiosity in them to know current affairs and branded companies

.

Quiz winners were given pens as a token of appreciation.

The total number of participants is 54. They are divided into 8 teams.

One team is selected as winners

The team members are
1. V. Bala Saraswathi   2/4 B.TECH
2. N.S.B Vivek   2/4 B.TECH
3. A.Srija   2/4 B.TECH
4. K.Mahesh   2/4 B.TECH
5. M.Mounika   2/4 B.TECH
6. Bhuvanya S   2/4 B.TECH

VENUE:
IT Seminar hall on 8th August 2017 at 4.30 p.m.
ORGANZIERS:

K.Sravani	K.R.Geethika
N.Aparna	CH.Phanindra.
S.Sahitya Reddy.	P.Ganesh.
J.Ramani.	B.Umasankar.
M.Sravanthi.	K.Purushottam.s
A.Pavani	A.Harsha.
G.Satya Krishna	P.Sandeep.
N.venkata reddy	K.pavan

SPRANKY EVENT-IV

This event is conducted for 2nd years. The program "**TECHSANGRAM"** consists of **3** rounds. The total numbers of participants are 52 whom we divided into 5 groups.

CONCENTRATION:

- Conversation with students about their academics.
- FLAIR
- TECH_BUZZ
- AMUSEMENT

Introduction about CSI:

Brief explanation about CSI and Membership benefits:

- To facilitate interaction and collaboration of students among themselves
- To enrich students through technical concepts, tutorials and workshops.
- Discussion about their class works.
- Suggestions are given about how to handle pressure under examinations.

FLAIR:

The round consists of 3 sub rounds. The round is dealt by Greeshma, Vishnu, Harika, Mahendranath. They are:

- **SERIES**
- **LOGOS**
- **MYTHOLOGY**

The main motive of the round is to introduce **Logical Reasoning** to the participants. First we have given a sample example to create curiosity among crowd. Then we proceeded with a set of questions.

TECH_BUZZ:

The round consists of 2 sub rounds. The round is dealt by Surya, Maitreayi, Sruthi, Harsha, Nithin. They are:

• C language

This round is completely about c-language and mostly important topics are covered.

AMUSEMENT:

This round consists of **3** sub rounds. This round is dealt by Monika, Mahesh, Pavan, and Himaja.

They are:

• Tag Lines

- Music Identification

- Counter Dialogues

The main motive of this round is to remove the stress of the students by fun.

End of the event to create recreation for them movies names their taglines and   music had been included.

As a token of appreciation we have given chocolates for winners.

VENUE:

IT Seminar hall on 7th sept, 2017

ORGANISERS:

K. Surya Narayana	S.Nithin
M. Tarun Teja	K.Mahendranath
P. Greeshma	N.Gopichandu
P. Vishnu Teja	K. Mahesh

SPRANKY EVENT-V

This event is conducted for **1**st years. The program "**BLOOMFIRE"** consists of **3** rounds. The total numbers of participants are **45** whom we divided into 5 groups.

CONCENTRATION:

- Conversation with students about their academics.
- BLGOOSE
- TECHNICAL AND RAPID FIRE
- AMUSEMENT

Introduction about CSI:

Brief explanation about CSI and Membership benefits:

- To facilitate interaction and collaboration of students among themselves
- To enrich students through technical concepts, tutorials and workshops.
- Discussion about their class works.
- Suggestions are given about how to handle pressure under examinations.

BLGOOSE:

The round consists of 3 sub rounds. The round is dealt by Greeshma,Vishnu, Harika,Mahendranath. They are:

- **Series**
- **Logos**
- **Blood relations**
- **Mythology**

The main motive of the round is to introduce **Logical Reasoning** to the participants. First we have given a sample example to create curiosity among crowd. Then we proceeded with a set of questions.

TECHFIRE

The round consists of 2 sub rounds. The round is dealt by Surya, Maitreayi, Sruthi, Harsha, and Nithin. They are:

- Lecture on C basics
- Rapidfire

The main motive of this round is to make the students know about the importance of C Language. And has given the information about basic concepts of C like header files,operators,etc.

Rapidfire is for spontaneity and listening skills of students. This round includes questions about current affairs,famous personality identifications,C-basics,riddles.

Amusement

This round consists of **3** sub rounds. This round is dealt by Monika, Mahesh, Pavan, and Himaja.
They are:

- Tag Lines
- Music Identification
- Photo Connection

The main motive of this round is to remove the stress of the students by fun. To make the round more exciting, we have included senior photos which relates to movie names in photo connection.

End of the event to create recreation for them movies names their taglines and   music had been included.

As a token of appreciation we have given pens for winners.

VENUE:

IT Seminar hall on 30th Aug, 2017

ORGANISERS:

K. Surya Narayana	S.Nithin
M. Tarun Teja	K.Mahendranath
P. Greeshma	N.Gopichandu
P. Vishnu Teja	K. Mahesh
A. Harika	K. Ambica
M. Ramya	J. Mouna
S. Sai Sruthi	A. Himaja

Motivational speech by Aparna Nimmagadda and Sravani Kanuri:

Emphasis has been laid on the qualities and skills required by engineers in present days.

- **Excellent communication skills:**

Successful engineers must possess the ability to communicate effectively, for without it one cannot sell their ideas .They must be able to manage projects and multiple tasks, for without those skills they will be less efficient and of less use to their employer.

- **Strong analytical mind:**

One can easily find out what they want to know. Students should identify the people who inspire them, and find out what makes them tick. Then emulate their good traits in one's personal and professional life.

- **Desire to learn:**

"Thirst for knowledge" is required for any individual. It's no secret that curiosity makes learning more effective and enjoyable. Instilling students with a strong desire to know or learn something is required at this hour.

- **Leadership and management skills:**

Everyone is a leader, whether he/she is officially in charge of a team or not. One should learn how to deal with various leadership styles from any position in a team, henceforth, they'll be seen as a leader.

- **Strong time management skills:**

Becoming productive with time is all about seeking to make constant and never ending improvements to the way that one perform one's work.

Time management skills:

1. Goal setting
2. Prioritization
3. Self-awareness
4. Self-motivation
5. Focus
6. Decision making
7. Planning
8. Coping skills

- **Adaptability:**

Tomorrow's leaders will have to communicate effectively across international borders and be familiar with other cultures, so they should develop some proficiency in another language, meet students from other cultures. Start "globalizing" right at college.

- **Passion for improvement:**

As with any skill, leadership needs constant improvement. When anyone is a part of the team, they should try to get feedback from team members, group leaders and professors. When one has a concrete view on how people view them, they can work to improve their skills, including communication and leadership.

- **Technical competency:**

One should be capable of applying their technical skills and abilities required for successful accomplishment of a specific job or task.

- **Ethics:**

One should learn how the people interpret the world and understand it. Hence they should develop their knowledge by reading some classic books that will help them to evolve as a person

ANNUAL PROGRAMS

FRESHERS DAY

The joining day of the first years is organized as fresher's day celebrated on July 10th 2017. On this day CSI registration process has been done in our department. All the first year have registered on that day followed by meeting. Head of the Department Dr. G.P.S.Varma Sir addressed first year students with his words. Final year students shared few of their experiences in the college from the very first day of their engineering life.

TEACHERS DAY

Venue:

 SEMINAR HALL, I.T DEPT, SRKR ENGINEERING COLLEGE.

Context:

Teachers Day was celebrated in Information Technology Dept of SRKR Engineering College on September 5 this year. The theme of this year's celebration was

TEACHERS AS AGENTS OF SOCIAL CHANGE CREATORS OF YOUNG INDIA

Organized By: I.T DEPARTMENT

We celebrate Teachers' day every year throughout the country on 5th September. Students express their gratitude and appreciation for their teachers on this day. This day is dedicated to Dr. Sarvepalli Radhakrishnan – second President of India. The great academic philosopher and one of the most well known diplomats, scholar, president of India and above all a teacher. As a tribute to this great teacher, his birthday has been observed as teachers' day.

Students gathered in seminar hall on occasion of Teachers Day and they had given a great welcomed to Teachers of Information technology Dept which resemblances the respect to them.

The function was inaugurated with lamp enlightenment by respected Principal, Dr.G.P.Saradhi Varma.

Students conducted several Games to Teachers on September 5 with love and showing their affection with them before the celebration starts.

Faculty members participated in different games which are conducted by students of Information Technology department. Though they were busy with their schedule they participated in the activities and made Teachers Day Memorable.

Later on Dr.G.P.Saradhi Varma valuable words were delivered. He speaks on the occasion of Teachers Day about how teachers played a vital in growth of Students life. Teachers are Designers for creating young people by identifying the talents and encouraging them in many aspects.

Later students share their views on the auspicious occasion Teachers Day and how these people effort and guidance results in success of their career.
He had given the prizes to Teachers who had done well in games.

Finally program concluded by cutting the cake by the toppers of the final year followed with vote of thanks by the student of Information Technology Department.

HAPPY TEACHERS DAY

DUSSERA CELEBRATIONS

VijayaDashami also known as *Dasara*, *Dusshera or Dussehra* is a major Hindu festival celebrated at the end of Navaratri every year. It is observed on the tenth day in the Hindu calendar month of *Ashvin*, the seventh month of the Hindu Luni-Solar Calendar, which typically falls in the Gregorian months of September and October.

Vijayadashami is observed for different reasons and celebrated differently in various parts of the Indian subcontinent. In the eastern and northeastern states of India, Vijayadashami marks the end of Durga Puja, remembering goddess Durga's victory over the buffalo demon Mahishasura to help restore Dharma. In the northern, southern and western states, the festival is synonymously called Dussehra. In these regions, it marks the end of "Ramlila" and remembers God Rama's victory over the demon Ravana, or alternatively it marks a reverence for one of the aspects of goddess Devi such as Durga or Saraswati.

Vijayadashami celebrations include processions to a river or ocean front that carry clay statues of Durga, Lakshmi, Saraswati, Ganesha and Kartikeya, accompanied by music and chants, after which the images are immersed into the water for dissolution and a goodbye. Elsewhere, on Dasara, the towering effigies of Ravana symbolizing the evil are burnt with fireworks marking evil's destruction. The festival also starts the preparation for one of the most important and widely celebrated Diwali, the festival of lights, which is celebrated twenty days after the Vijayadashami.

Durga pooja is conducted on 30-09-2017(Saturday).Our beloved principal Dr.G.P.Saradhi Varma ,IT FACULTY and Students participated in the celebration.Our department In-charge Kadali Srinivas Sir and faculty co-ordinate K. Kishore Raju Sir and IT STAFF shown their blissful presence in the puja.

We the CSI members are very much interested in celebrating vijayadasami and have contributed our interest in the form of the decorating durga maatha mandir.

Any festival in India is incomplete without food. Whenever we talk of festival we think of the special sweets prepared for the occasion. Festival cooking is a part of all the celebrations. Durga Puja is also one of the festivals where special emphasis on sweets is given.

The festival of Dussehra brings joy and vivacity that begins nine days ahead of the actual festival in the form of Navratri festivities, which are dedicated to the worshipping GoddessDurga.

Every year our department celebrates Dussehra under the guidance of prinicipal sir , Hemalatha mam,kishore raju sir and IT department staff.

ENGINEERS DAY CELEBRATIONS

STEPIN-2K17

CONTEXT: The Engineering community across India celebrates Engineers day on 15th September every year as a tribute to the greatest Indian Engineer Bharat Ratna sir Mokshagundam Visveswaraya. He was India's most prolific civil engineer, dam builder, economist, statesman, and can be counted among the last century's foremost nation builders. He was the inventor of block system.

On the event of Engineers day, department of Information Technology came up with a new theme this year i.e, STEPIN which means "Smart technology Engineers Platform for Information ". It is intended to make young minds to think out of the box and simulate new innovative ideas.

MAIN THEME:

On this occasion, different events were conducted to the students by CSI body. Inspective of their branch and year many students have participated in various events. Events were organized on 13th and 14th of September.

There are mainly 4 events:

1. Quiz event.
2. Spear Head
3. The message
4. **Mini Militia**

QUIZ EVENT:

In this event students are tested on the basis of their general knowledge, technical stuff and awareness about various fields. This event comprised of 3 levels.

The first level is qualifying round. It consists of basic general knowledge questions. In total 83 members attended for the exam.

In second level students were divided in to 10 groups. Each group was comprised of 4 members. In this round students were tested as a team but not as individual persons. Here questions were based on technical stuff and general awareness.

SPEAR HEAD:

The main theme of this event is "using technology in an innovative way to solve problems". Total number of students participated in this event are 9. Participants' presented their ideas to the judges by using power point presentation. Based on the idea they presented the problem they chosen and the solution they gave are taken in to consideration while deciding the winner.

Expert Lectures

1. **Guest Lecture On "BIO-INFORMATICS"**
   By
   M.Suresh Babu
   Professor,
   Dept of Information Technology,
   SRKR ENGINEERING COLLEGE

2. **Guest Lecture On "BIG DATA AND HADOOP ARCHITECTURE"**
   By
   Venkata Subba Reddy,
   Asst. Professor,
   IIT Warangal

3. **Guest Lecture On "NETWORK AND SECURITY USING CCNA"**
   P. Ravi Kiran Varma
   Associate Professor
   MVGR College of Engineering,
   Vizianagaram.
   ravikiranvarmap@gmail.com

BASIC BIOINFORMATICS WORKSHOP
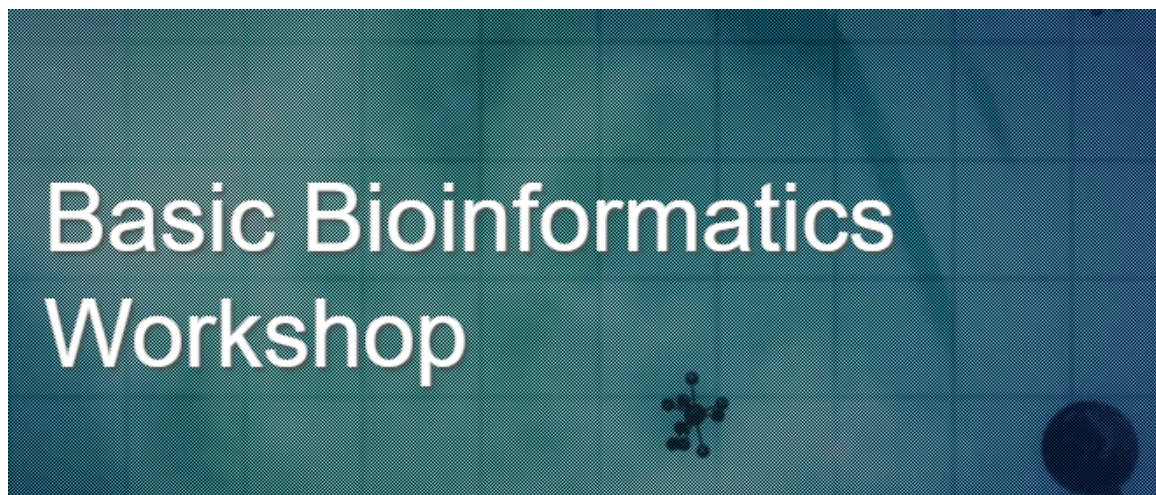
AGENDA : To educate the students about current trending topic in technology-Bioinformatics.

TOPICS COVERED :

1. Introduction to biological significance of bioinformatics
2. DNA sequence analysis
3. Measures of similarity in protein structures
4. Computer simulation
5. Analyze biological data

INTRODUCTION :

Computer Society of India-2k18 has organised a Bioinformatics workshop in collaboration with Technology centre of SRKR engineering college.

This workshop is a two day workshop held for 3rd and 4th year B-tech students.

On the first day the trainees discussed about the basics like introduction of bioinformatics and DNA sequencing. After that a lunch break was given. The students are provided with lunch coupons. Post lunch Measures of similarity in protein structures is discussed and the day ended with student interaction session.

On the second day computer simulation and analyzing of biological data is discussed in the morning session. After lunch an interaction session is conducted in which the students actively participated.

A conclusion meeting and feedback session are held at the end of the workshop in which our principal sir and technology centre head Suresh Babu Sir have given a positive response to our work.

ORGANISED BY:

CSI STUDENTS CHAPTER-2K18

BIG DATA AND HADOOP ARCHITECTURE

WorkShop format :

The workshop format provides the best way to learn about appropriate architectures for challenging big data applications. It allows everyone to share their knowledge and experiences. While architectural principles are presented and discussed for applications in general, the workshop activities apply them to the workshop application.

We divide the workshop participants into teams. Each team typically has five members. Ideally there is a diversity of knowledge and experience on the team. Whenever possible, we separate co-workers. From our experience, the debates that result from this diversity enriches understanding of the architectural principles.

Over three days, we have a series of presentations about general application architectural principles and team activities to apply them to the workshop application. Each team formulates, presents and defends their proposals to the overall workshop.

Day one : what about bigdata and their history

The first day is organized around gathering inputs to the architecture. The vision for the application is presented. Each team analyzes the application scenario. The team breaks it up into discrete use cases and components using object-oriented analysis and design (OOAD) techniques. This forms the beginning of a logical architecture.

We expect workshop participants to have a working knowledge of some, but not necessarily all, of the big data technologies. On the first day we review big data technologies to fill in any knowledge gaps about the technologies.

We stress the importance of building some of the use cases early in an agile fashion in order to reduce the risk of an unsound architecture. But which use cases should be constructed? We present a methodology for selecting a vertical slice of the application. Each team applies this methodology to the workshop application and defends their vertical slice to the workshop.

The first day of the workshop ends by focusing on the data requirements of a big data application. Ultimately, this section addresses whether an application requires the use of big data technologies. We discuss streaming data for near real time processing, stored data, and the lifecycle and growth of data sets. Each team analyzes the data requirements of the workshop application and presents their findings to the overall workshop.

Day Two: Big Data Architectural Principles

The second day of the workshop focuses on architectural principles of big data applications and applying them to the workshop application.

We first focus on application processing, including near-real-time processing of high velocity, high volume data streams, batch processing, stateful and stateless actions, stored data access patterns, message delivery and processing guarantees, and machine learning pipelines. Each team analyzes the workshop application and characterizes the processing done by the application.

Next the workshop turns to scalable applications. We present design principles of scalable applications, determining if an application will scale, and Hadoop and Spark scalability. Each team identifies potential bottlenecks in the application and proposes how to address those, applying the scalable application design principles.

The next topic of the workshop is fault tolerance. We present types of component failures, graceful recovery and performance degradation, tradeoffs between handling failures and making them transparent, achieving failure transparency via hardware vs. via system software, and stateless and stateful fault tolerant services. Each team identifies the possible component failures in the workshop application for each failure whether they should be handled by the application or be made transparent.

We wrap up the second day addressing security and privacy. We discuss threat analysis, privacy, and zero-trust networks. Each team identifies the security and privacy threats in the workshop application and proposes how to address them.

Day Three: Putting it All Together

By the third day, the workshop has previously addressed how to create a logical application model from a challenging big data application scenario, minimizing architectural risk, data and processing requirements, scalability, fault tolerance, and security. The third day is all about creating a physical architecture and putting it all together into a big data application architecture.

First, we present deployment options for the application. We discuss on-premises deployment and sizing an on-premise cluster. We present the cloud options, both transient and persistent. We discuss the benefits and challenges of a hybrid deployment. Each team proposes how the workshop application should be deployed.

Next, we turn to selecting the technologies to use. We present a methodology and discuss the role of benchmarks and agile development. Each team selects the technologies to be used for the various use cases of the workshop application.

The last topic of the workshop is software architecture itself. We present various architectural artifacts and agile architecture and development processes for producing them.

The final team activity of the workshop is to produce application architecture for the challenging workshop application. This includes a clear understanding of functional and non-functional requirements, a logical architecture, a physical architecture and a methodology and plan for realizing the workshop application. The methodology defines an agile series of implementation tasks that minimize the risk of an unsound architecture.

At the end of the workshop, you will have experienced when and how to effectively use big data technologies. You will have mapped different use cases and components of an application to these technologies. You will have chosen technologies and deployment models, taking into account the architectural tradeoffs.

All of the architectural artifacts for the workshop application that were produced by each team over the three days are made available to all of the workshop participants. The Big Data Architecture Workshop will have provided you an opportunity to learn from Cloudera as well as others applying big data technologies in a variety of domains.

ORGANISED BY :

CSI STUDENTS CHAPTER-2K18

NETWORKING AND SECURITY USING CCNA

By Ravi Kiran Varma

   Configuring EIGRP
   Load Balancing with EIGRP
   Verifying EIGRP
   Open Shortest Path First (OSPF) Basics
   Configuring OSPF
   Verifying OSPF Configuration
   OSPF DR and BDR Elections
   OSPF and Loopback Interfaces
   Troubleshooting OSPF
   Configuring EIGRP and OSPF Summary Routes

- **Virtual LANs (VLANs)**
   VLAN Basics
   VLAN Memberships
   Identifying VLANs
   VLAN Trunking Protocol (VTP)
   Routing between VLANs
   Configuring VLANs
   Configuring VTP
   Telephony: Configuring Voice VLANs

ORGANISED BY: CSI STUDENTS CHAPTER-2K18

DEPARTMENTOF INFORMATION TECHNOLOGY

A REPORT

ON

LARGEST PLOUGH

SOCIAL ACTIVITY

Student activities is a broad term describing most student focused extracurricular programs at a college .Student activities are generally designed to allow students to get more involved and offer them opportunities in leadership ,social responsibility ,citizenship ,volunteerism, and student employment .These are overseen by Director of Student activities and student affairs .

Every year IT department of SRKR Engineering College organizes a social event related to current problems and drifts in the society on behalf of CSI (Computer Society of India). Ever since we started making this our culture, we focused on nature friendly events. This year, we anticipated to make the biggest Plough to represent our Indian traditional farming.

We made an attempt to break the world record by making the largest plough. " **To inspire youth to take up cultivation by using cutting edge technologies and enrich natural resources for better livelihood** " , a plough of total Height f 16 feet and width 26 feet with eco friendly material is made under the guidance of Sri. K. Kishore Raju garu and Dr. I. Hemalatha garu led by Dr.G.P. Saradhi Varma garu. On the eve of Innovation day, the ribbon cutting ceremony has been held and the biggest plough was opened by Dr. Anil sahasrabudhe garu the chairman of All India council for Technical Education (AICTE).

Organic Farming is an alternative agricultural system which originated early in 20th century in reaction to rapidly changing farming practices, which has many advantages like High nutritional value, poison free, food lasts longer and tastes good, resistant to pests and weeds, low input cost.

Although we are developed technically, technology can't produce food .So we tech students thought of inclining our knowledge towards growth of agriculture based nation-India.We have concentrated on developing projects related to agriculture using IOT such as measuring the moisture content of the soil required for efficient crop growth.

India's population is reached beyond 1.2 billion and the population rate is increasing day by day then after 25-30 years there will be serious problem of food, so the development of agriculture is necessary. Today, the farmers are suffering from the lack of rains and scarcity of water. The main objective of this paper is to provide an automatic irrigation system thereby saving time, money & power of the farmer. The traditional farm-land irrigation techniques require manual intervention. With the automated technology of irrigation the human intervention can be minimized. Whenever there is a change in the moisture of the soil the sensor senses the change in the moisture and gives signal to the micro-controller.

We use **YL-38 SOIL MOISTURE SENSOR MODULE,** used to measure the moisture level in soil. It can also evaluate the optimum soil moisture contents for various species of plants. We can place the prongs of the sensor into soil and check the moisture level, but the position of the prongs should be correct.

We have **YL-69 SOIL MOISTURE PROBE,** this is a simple sensor that can be used to detect soil moisture/ relative humidity within the soil the module is able to detect when the soil is too dry or wet. It is beneficial to use with automatic plant watering systems.

The Smart Irrigation System is an IOT based device which is capable of automating the irrigation process by analyzing the moisture of soil and the climate condition (like raining).Also the data of sensors will be displayed in Graphical format.

The user has only to do is –Start the motor or if he desires it can switch off the motor by just a click only. Once the Motor pump has started- following automated condition will work User can switch OFF the motor if he desires by a click on the web page. The motor pump will automatically get switched OFF once the soil moisture sensor has reached the required threshold value. Also in case, when power supply gets cut-off and motor gets switched off. It will restart again automatically when there will be availability power supply, user will have not to worry about restarting the motor pump manually.

This review is proposed to supports aggressive water management for the agricultural land. Microcontroller in the system promises about increase in systems life by reducing the power consumption resulting in lower power consumption. The agriculture field is being monitored by android app at end user and controlled by arduninoo. The ESP8266 is the device at field end which receives the messages from network and manipulates it and will perform the function mentioned in message. After it will send the messages to network and in turn it will be published to the Client (user end). Since it is small, compact, lightweight, easily programmable, and easily installable.

We have concentrated on how to provide electricity using **SOLAR PANELS,** are act as transducer which converts one form of energy into another form that is it converts solar energy into electrical energy .These solar panels are placed on the roof tops of buildings, large places, in street lamp poles etc., in a particular fixed direction. These solar panels are not rotate automatically but we can rotate the direction of panel manually. Energy released from this solar panel is stored in storage batteries as electricity .By using this we can use power whenever we need.

Nowadays all the solar panels are fixed to a particular direction. Due to this efficiency of the solar panel is less than 20%.Inorder to increase the efficiency of the solar panel we have to move the solar panel corresponding to the movement of the sunlight. Due to this efficiency of the solar panel will be greater than 90%.so we are going to do the project to move the solar panel corresponding to the sunlight which is known as "AUTOMATIC SOLAR TRACKER". In order to show feasibility and effectiveness of the system, this paper experiments results of this project and some experiences of practical implementation.
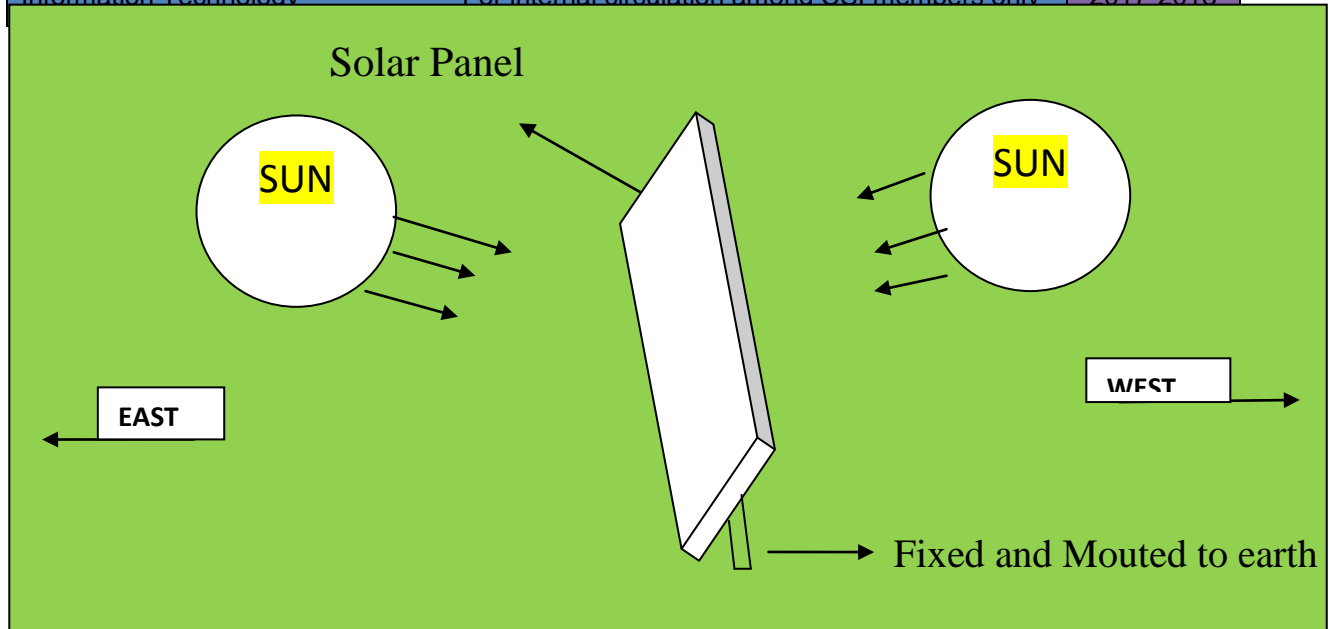
Solar Panel

Fig1: Existing System Architecture

The aim of the project is to improve the efficiency of the solar panel. Efficiency of the solar panel increases by exposing continuously to the sunlight .In fixed solar panels, sunlight falls on the panel is upto six hours only, i.e , sun moves from east to center of the earth .After 12:00 pm sun moves towards west. So ,the intensity of the sunlight falling on the sun is decreases gradually .So, in order to increase the efficiency of the solar panel ,we rotate the solar panel according to the maximum intensity of sunlight by using some effective hardware system and software.
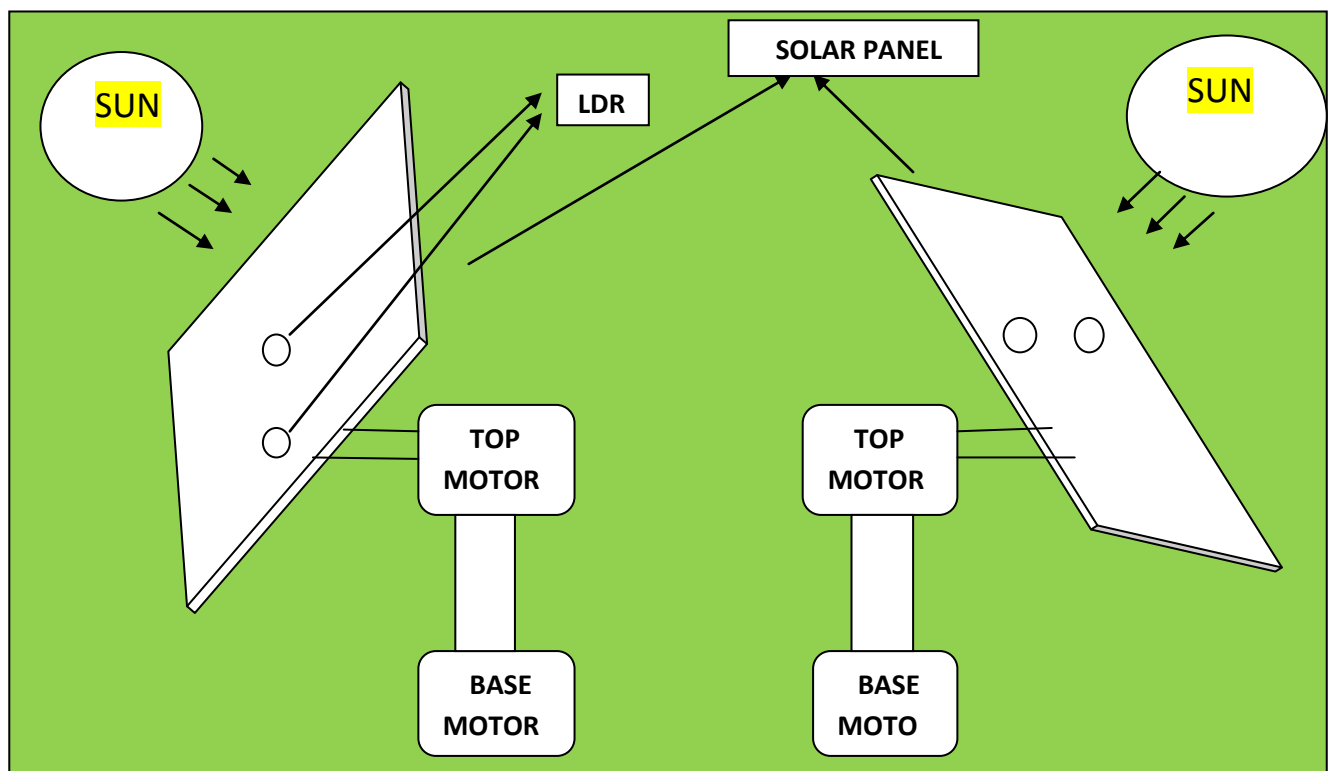
Fig2: PROPOSED SYSTEM ARCHITECTURE
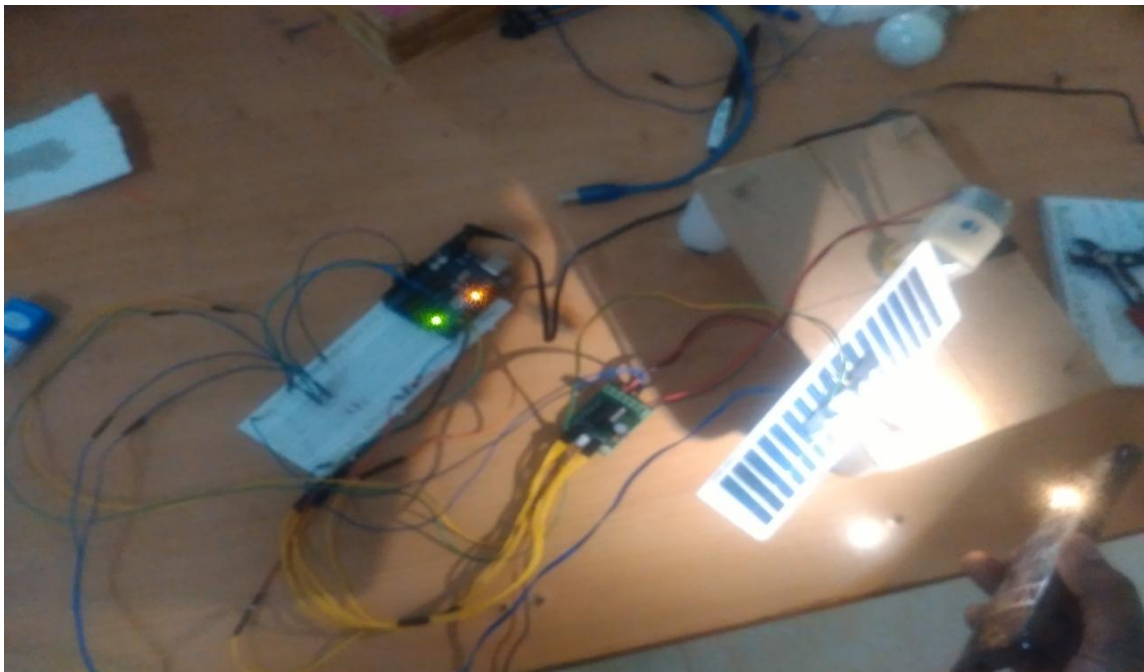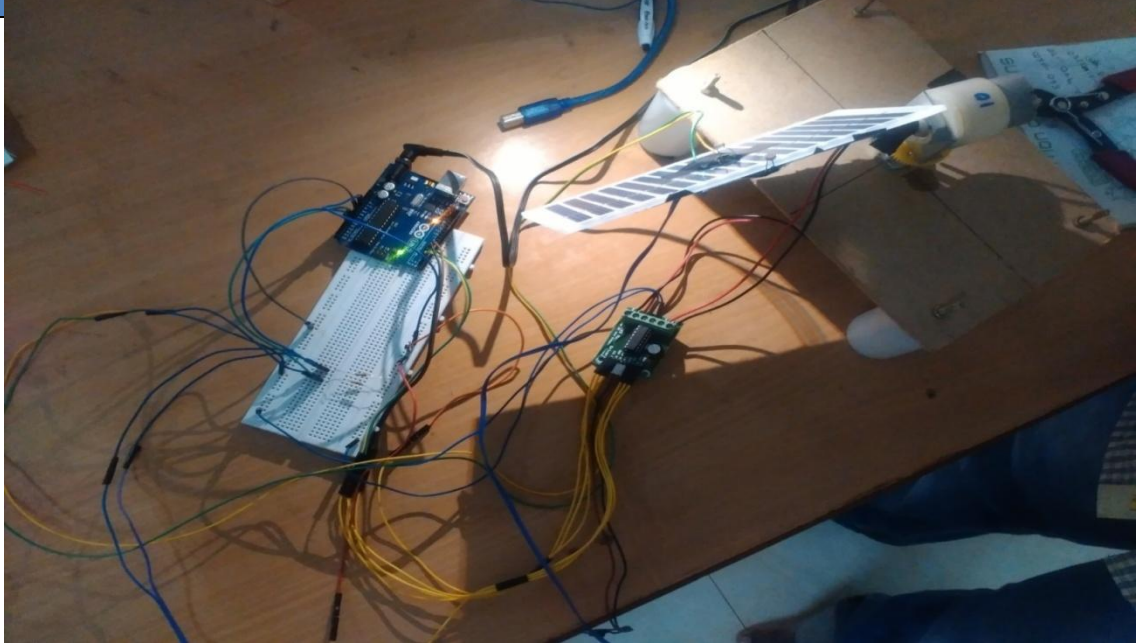
We conclude that by using this solar tracker we can increase the efficiency and utilization of solar energy. So we will also reduce the power crisis. Technical students standing as an aid to the farmers who are backbone of the nation would definitely resolute the farmers current situation.

DEPARTMENT OF INFORMATION TECHNOLOGY

A REPORT

ON

TECHFLEET 2K18

A NATIONAL LEVEL CONFERENCE ON CURRENT

TRENDS OF INFORMATION TECHNOLOGY

HELD ON

20th & 21st of February 2018

Department of Information Technology, S.R.K.R. Engineering College organized its "National Level Conference on current trends of Information Technology" (TECHFLEET 2K-18) on 20th and 21st February 2018.

The aim of the conference was to provide platform for students to develop, contribute and present technical papers in technological world. The event helped in bringing together experts from industry and academia to meet, discuss, share views and experiences on various recent technical topics and challenges of today's world. The participants were from various states of India.

INAGURAL FUNCTION SCHEDULE OF TECHFLEET 2K-18

DEPARTMENT OF INFORMATION TECHNOLOGY
S.R.K.R ENGINEERING COLLEGE
China-Amiram, Bhimavaram-534204.

TECHFLEET 2k18

A NATIONAL LEVEL CONFERENCE ON CURRENT TRENDS OF INFORMATION TECHNOLOGY
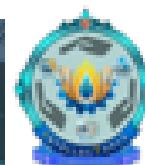
A NATIONAL LEVEL CONFERENCE
ON
CURRENT TRENDS OF INFORMATION TECHNOLOGY
20th-21st FEBRUARY 2018
INANGURAL FUNCTION SCHEDULE

TIME	PROCEEDINGS
09:30 A.M	Inviting the Dignitaries on to the dias
09:35 A.M	Prayer
09:40 A.M	Jyothi Prajvalana
09:45 A.M	Welcome Address by Dr.G.P.Saradhi Varma, Principal SRKR Engineering College
09:50 A.M	Introduction of Guest of Honor Sri T.Prabhakar Babu, Deputy Superintendent of Police (DSP), Narsapur
09:55 A.M	Address by Guest of Honor Sri T.Prabhakar Babu, Deputy Superintendent of Police (DSP), Narsapur
10:00 A.M	Introduction of Chief Guest Mr.Muralidhar Teppala Director, Head Talent Acquisition-EPAM Systems, Bengaluru
10:05 A.M	Address by Chief Guest Mr.Muralidhar Teppala, Director, Head Talent Acquisition-EPAM Systems, Bengaluru
10:10 A.M	Release of Proceedings, TECHFLEET 2k18
10:20 A.M	Presentation of Mementos
10:35 A.M	Felicitation to Chief Guest Mr.Muralidhar Teppala
10:45 A.M	Felicitation to Guest of Honor Sri T.Prabhakar Babu
10:50 A.M	Vote of Thanks

SCHEDULE OF TECHFLEET 2K-18

DEPARTMENT OF INFORMATION TECHNOLOGY

S.R.K.R ENGINEERING COLLEGE::BHIMAVARAM
18th - 21st FEBRUARY 2018- SCHEDULE

	I.T SEMINAR HALL	E-CLASS ROOM	S/W LAB-3	S/W LAB-2	S/W LAB-1	LIBRARY	IT WORKSHOP	IT-3	R&D (IT)	IT-1	NP LAB	SPOT EVENTS
DAY 1	18th FEBRUARY 2018											
	IOT AND AI WORKSHOP SESSION-1(IT SEMINAR HALL/N-BLOCK)											
DAY 2	19th FEBRUARY 2018											
	IOT AND AI WORKSHOP SESSSION-2(IT SEMINAR HALL/N-BLOCK)											
Day 3	20th FEBRUARY ,2018											
8:00 - 9:30	REGISTRATIONS,FLASH MOB											
9:30 - 11:00	INAUGURAL											
11:15-1:00	SLIDE WAR (PPT)	SLIDE WAR (PPT)	FRONT LAPSE	GAME-N-WIN	SLIDE WAR (PPT)	---	ASSEMBLER	QUIZ	SLIDE WAR	UNBLOCK-ME		----
1:00-1:45	********************************LUNCH BREAK********************************											
1:30 - 4.00	SLIDE WAR (PPT)	SLIDE WAR (PPT)	----	----	----	POSTER PRESENTATION	----	----	DESIGN EXPO	----	----	----
3:30-4:30	SHORT FILMS(IT SEMINAR HALL)											
4:30-5:30	TREASURE QUEST											
5.30 - 6.30	VALEDICTORY											
Day 4	21st FEBRUARY 2018											
(10.0012.00)	RANG PATANG											
5:00-9:00	FAREWELL AND CULTURALS											

REGISTRATION:

The registrations begin from 8.00 am on 20th February 2018

REGISTRATION DESK FOR TECHFLEET 2K-18

TECHFLEET 2K-18 ART WORK BY STUDENT VOLUNTEERS

On 2 days of the conference total of 500 participants were registered from various institutes. Spot registration was also available for participants. All registered participants received the kit including CD of the conference proceedings

INAUGURATION FUNCTION:

The session has begun by inviting all the dignitaries to the open air theater and conducted a flash mob on a motive that we are living because of farmers by displaying largest plough made by the final years students which was attempted to break the world record.

On auspicious beginning, JYOTHI PRAJWALANA was done by all the dignitaries along with the prayer

JYOTHI PRAJWALANA BY CHIEF GUEST AND GUESTS

The dignitaries on Dias included chief guest Sri. Mr.Muralidhar Teppala, Director, Head Talent Acquisition-EPAM Systems, Bangalore, Sri S.V. Ranga Raju, Secretary & Correspondent, S.R.K.R. Engineering College, Bhimavaram, Dr. G.P. Saradhi Varma,Principal, S.R.K.R. Engineering College, Bhimavaram, Dr.B H V S R K RAJU, incharge of planning and automation cell, S.R.K.R. Engineering College, Bhimavaram, Sri k Srinivas incharge of B.Tech(IT),S.R.K.R. Engineering College, Bhimavaram, Sri S.Rama Gopala Reddy, Associate Professor, Department of IT.

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THE FLORAL WELCOME TO ALL THE DIGNITARIES

FLORAL WELCOME SRI. MR.MURALIDHAR TEPPALA

FLORAL WELCOME TO SRI S V RANGA RAJU

FLORAL WELCOME TO DR. G P S VARMA

FLORAL WELCOME TO DR.B H V S R K RAJU

FLORAL WELCOME TO SRI. K. SRINIVAS

FLORAL WELCOME TO SRI. S.RAMA GOPALA REDDY

WELCOME SPEECH:

Welcome speech was given by K.Sravani, N.Aparna, Student coordinators, Department of IT, SRKREC. They briefed about the purpose of organizing the TECHFLEET 2K18 National conferences and welcomed all the dignitaries, faculty and under graduate students.

The conference welcome speech in their words….

"The conference is proposed to reveal the expertise in various events like paper, poster, project and inventive ideas, add & movie presentation, coding, technical quiz and work shop on Android liking with cloud which was the latest hot topic in IT market.

This conference provides an opportunity to work toward a common understanding of the facts in a proceeding, through expert presentations on given topics and discussion designed which helps to enrich knowledge domain of all participants. Conferences like these act as a venue to the technical growth of the world.

"Competition is effective motivation." Competing itself is joy. I am sure this will be a very useful and jaunty meet for our professional delegates for promoting new ideas, exchanging views and keeping abreast of all current IT scenario. We hope all of you will carry the pleasant memories of the conference."

WELCOME SPEECH BY K.SRAVANI, N.APARNA

INAUGURAL SPEECH BY DIGNITARIES

WELCOME SPEECH BY Dr.G.P.S.VARMA, PRINCIPAL

Dr.G.P.S.Varma expressed It's a great opportunity for all of us to meet at this place which is done for innovative thinking and a platform for presenting your ideas in a national conference. Techfleet is the main platform for the IT department which I conducted for last 20 years. Final year students those who are going out from the campus had a thought to do some world records with ideas related for the development of the society and already 6 records were registered by limca book of records and now an attempt was made to make largest plough with a motive that we are leaving because of farmers To inspire youth to take up cultivation by using cutting edge technologies and enrich natural resources for better livelihood.

So far 1800 publications have been taken up by the college. Every year, some of the college students were opening the startup companies. Now a day's classroom learning is slowly getting vanished and self learning and e learning are bringing a big change in the education system. Students need to learn through online classes and they need a mentor for this, to help in this process we started a innovation hub which includes a technology centre, innovation centre and digital learning centre with world class infrastructure .this innovation hub is funded with an huge amount of 20 crores and it is a platform for students to work out on their start ups. Students need to place their ideas and ideas which were selected will be sent to the government of India for funding. Initially ideas will be funded by the college for its basic needs and then the ideas will be sent to government of India for further research on the products the idea will be funded by the govt with an amount of 4-5 lakhs. If that idea was successfully implemented govt will be providing huge funding to get the product into the society."

SPEECH BY CHIEF GUEST SRI. MR.MURALIDHAR TEPPALA, DIRECTOR, HEAD TALENT ACQUISITION-EPAM SYSTEMS, BANGALORE.

Sri. Mr.Muralidhar Teppala while addressing the meeting he said that the engineering students should study thoroughly to acquire new technology skills to build strong India. He complimented the students for making the projects that are useful for agriculture sector.

RELEASE OF TECHFLEET 2K18 PROCEEDINGS CD BY THE DIGNITARIES

The proceeding CD of the Techfleet 2k18 consists of the details of the conference i.e events which has been organized i.e Assembler, Clash of Coders, Design Expo, Front Lapse, Game N Win, Lekha presentation, Quizophile, Short films, Slide War, Treasure Quester, Unblock me and Journal papers, Techfleet 2k18 poster, invitation, minute to minute, college and department videos.

FELICITATION

FELICITATION TO THE CHIEF GUEST AND GIVEN MEMENTO AS A TOKEN AND MEMORY OF THE CONFERENCE

PRIZE DISTRIBUTION TO THE SPORTS WINNERS BY DIGNITARIES

STUDENTS AT STALLS OF TECHFLEET'18 EVENT

PROJECTS EXHIBITED DURING TECHFLEET 2K18

EVENTS OF TECHFLEET'18

- <u>EVENT NAME</u>: **Assembler**

<u>Description of Event:</u>

Team size comprises of 2 Members. Team Members will be given by a CPU. Team Members should disassemble the CPU and recognize the parts given in the list by us and reassemble it as original

Rules:

1.Team size max of 2 members

2.Participants should not damage any parts of the cpu

3.Time limit is 15 Minutes

<u>Venue</u> : IT Workshop

<u>Timings</u> : 11:00 am to 1:00 pm

- <u>EVENT NAME</u>:   **Clash of Coders**

<u>Description of Event</u>:

<u>Round 1:-</u>

Time – 20 mins

No. of question- 20

In Round 1, there will be 20 multiple choice questions based on basic programming languages such as c, c++, and java. Then we set up a cutoff marks based on certain criteria. The students who gain marks equal to or greater than the cutoff marks will be qualified to round 2.

<u>Round 2:-</u>

Time – 2 hours

No. of question-3

Round 2 is basically a round in which we do real coding. The round 2 be hosted on hackkerank website. This round consists of 3 problems and the students have to code the solution for these problems. All the 3 question consists of certain no. of test cases and full marks will be allotted to the problem only when the code passes all the hidden test cases and partial marks will also be awarded for partial solution i.e your code passes few test cases.

Rules:-

- Each problem has a pre-determined score.

- A participant's score depends on the number of test cases a participant's code submission successfully passes.

- If a participant submits more than one solution per challenge, then the participant's score will reflect the highest score achieved. In a game challenge, the participant's score will reflect the last code submission.

- Participants are ranked by score. If two or more participants achieve the same score, then the tie is broken by the total time taken to submit the last solution resulting in a higher score.

Venue: Software lab 1.

Timings: 11:00 am to 1:00 pm, 1:30 pm to 3:30 pm (20st Feb).

- EVENT NAME: **Design Expo**

Description of Event:

Every year IT department of SRKR Engineering College organizes a social event related to current problems and drifts in the society on behalf of CSI (Computer Society of India). Ever since we started making this our culture, we focused on nature friendly events. This year, we anticipated to make the biggest Plough to represent our Indian traditional farming.

We made an attempt to break the world record by making the largest plough. " To inspire youth to take up cultivation by using cutting edge technologies and enrich natural resources for better livelihood " , a plough of total Height f 16 feet and width 26 feet with eco friendly

Although we are developed technically, technology can't produce food .So we tech students thought of inclining our knowledge towards growth of agriculture based nation-India. We have concentrated on developing projects related to agriculture using IOT such as measuring the moisture content of the soil required for efficient crop growth, and many more projects.

Venue : Open air auditorium

Time : 8:30AM - 9:30AM

- EVENT NAME: **Front Lapse**

  Description of Event: The participant has to design Web page using HTML, CSS, and JavaScript according to the given theme.

Rules:
1. No Internet Access
2. Don't copy the source code
3. Duration: 3 Hours.
4. Maximum Team size: 2 members

VENUE:-Software lab 3

- EVENT NAME: **Game N Win**

  ### Description of Event:
  # 1) CRICKET 07:-
  - 5 Overs Exhibition Match
  - 5 Star Match Difficulty
  - Batting With Keyboard
  - Bowling With Gamepad

  # 2) NFS (NEED FOR SPEED):-
  - 3 Players In A Round
  - All Will Play With Keyboard

  # 3) MOBILE GAMING:-
  ## MINI-MILITIA:
  - 4 Members A Team
  - Outpost
  - Without any Hacked Versions

  ## LUDO:
  - 4 Members A Round

Venue: NP lab

Timings: 1:30 pm to 4:00 pm

- EVENT NAME: **Lekha Presentation**

 Description of Event:

In this event , Students will bring their posters with them and display them in the given venue and explain the posters to the visitors . The Results will be announced by a group of judges .

Venue: IT library

Timings: 1:30 pm to 4:00 pm

- EVENT NAME: **Quizophile**

Implementation:

The quiz consists of 5 rounds

1) Round 1: A screening test is conducted to participants to filter them. This test contains 15 questions. The elimination is based on the marks secured.

2) Round 2: This round is called HAVE where H stands for history, A stands for aptitude, V stands for verbal, E stands for Epics. There is no elimination in this round.

3) Round 3: This round is a Fun round where participants will be asked questions based on sports, movies. This is an elimination round.

4) Round 4: This round is a logo round where participants were shown a logo and they have to guess the name of it or tagline of it. This is an elimination round based on the scores of each team.

5) Round 5: This round is a Rapid Fire round where each team is posed with a group of questions and they have to answer them in a given time. This is a final round which decides the winner of Quizophile.

Time:-11:00 am to 1:00 pm
Venue: - IT-3

- EVENT NAME: **Short films**

Description of Event:
In this fest, we are organizing an event called short films, where short films with some theme or message in it will be displayed one after another. The best short film will be awarded a certificate of Appreciation.

Rules

➤ The time allotted for each short film is 10 to 15 min.

Venue: IT Seminar Hall

Timings: 3:30 to 4:30 (20st Feb).

- EVENT NAME: **Slide War**

Description of event:

"A presentation is the process of presenting a topic to an audience. It is typically a demonstration, lecture, or speech meant to inform, persuade, or build good will". Give it focus, tell compelling concepts, give an entertaining presentation, use media enhancement and create a worthy leave-behind! Gear up your presentation skills for Techfleet2k18 and make your presentation astounding and enjoy the opportunity to bask in the limelight!

Rules:

- ➤ You can form a team of maximum 3.

- ➤ No. of slides shouldn't exceed 14.

- ➤ Time allotted will be 8 min + 2 min for queries.

- ➤ Topics may be either technical or miscellaneous.

- ➤ Those who got shortlisted should submit hard copies (2) & soft copy during their presentation.

Judgement Criteria:

- ➤ Final decision will be made by respective judges.

Venue: IT-1, E-CLASS ROOM, IT SEMINAR HALL and R&D (IT).

Timings: 11:15 AM to 1:00 PM and 1:30 PM to 4:00 PM.

- • EVENT NAME: **TREASURE QUESTER**

Description of Event:

A treasure hunt is one of many different types of games with five players who try to find hidden objects or places by following a series of clues. Treasure hunt games may be an indoor or outdoor activity. Outdoors it can be played in a garden; indoors it can be played in a specific room, which would make the work of hiding the clues harder.

We are organizing treasure quested as a series of clues hidden at different departments, sign boards and many other places in the college. The participants have to go through each and every clue to reach final treasure.

Venue : near IT department

Timings : 4:30 pm to 5:30 pm

- • EVENT NAME: **Unblock Me**

Description of Event:

in this event , students will be given certain number of puzzles to solve . There will be 5 types of puzzles in this event, the one who solves the puzzles first will win and he needs to completely solve the puzzle.

Venue : Staff room 3

Timings : 1:30 pm to 4:00 pm

TECHFLEET'2K18 PARTICIPANTS

S.NO	NAME	COLLEGE AND BRANCH	EVENT
1	G.CHINNI KRISHNA	S.R.K.R ENGINEERING COLLEGE	ASSEMBLER
2	D.SUBHADRA	S.R.K.R ENGINEERING COLLEGE	
3	A.VENKATA RAJU	S.R.K.R ENGINEERING COLLEGE	
4	VUDDAGIRI MOUNICA	SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN	
5	SUSARLA SAI SREEJA	SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN	
6	P.NARAYANA MURTHY	S.R.K.R ENGINEERING COLLEGE	SHORT FILM
7	V.V.PRASAD	S.R.K.R ENGINEERING COLLEGE	CLASH OF CODERS
8	P.RAJU	S.R.K.R ENGINEERING COLLEGE	GAME-N-WIN
9	KUMAR NAVEEN	S.R.K.R ENGINEERING COLLEGE	
10	BHARADWAJ	S.R.K.R ENGINEERING COLLEGE	
11	U.SATISH	S.R.K.R ENGINEERING COLLEGE	
12	RISHOSV	S.R.K.R ENGINEERING COLLEGE	
13	AAYUSH	S.R.K.R ENGINEERING COLLEGE	
14	R.N.V.S.LAVANYA	VISHNU	POSTER PRESENTATION
15	G.SWETHA,M.L.S.PRATHY USHA	VISHNU	
16	P.PRAVEEN KUMAR,D.SANGEETH KUMAR	S.R.K.R ENGINEERING COLLEGE	
17	GADDE. MOUNIKA	GAYATRI VIDYYA PARISAD, VKSP	
18	JAMPANA MEGHANA	GAYATRI VIDYYA PARISAD, VKSP	
19	NIMMAGADDA.SRI VISHNU PRIYA	GAYATRI VIDYYA PARISAD, VKSP	
20	M.P.AMRUTHA	VISHNU	
21	B.PADMINI	S.R.K.R ENGINEERING COLLEGE	QUIZ
22	D.YAMINI	S.R.K.R ENGINEERING COLLEGE	

23	B.TEJASWI	S.R.K.R ENGINEERING COLLEGE	
24	G.MOUNICA	S.R.K.R ENGINEERING COLLEGE	
25	A.BHARGAVI	S.R.K.R ENGINEERING COLLEGE	QUIZ
26	A.VENKATA RAJU	S.R.K.R ENGINEERING COLLEGE	
27	A.NAVEEN	S.R.K.R ENGINEERING COLLEGE	
28	J.RAKESH	S.R.K.R ENGINEERING COLLEGE	
29	N.KAVYA	S.R.K.R ENGINEERING COLLEGE	
30	M.SATYA VARSHINI	S.R.K.R ENGINEERING COLLEGE	
31	N.BIPIN CHANDRA	S.R.K.R ENGINEERING COLLEGE	
32	G.CHINNI KRISHNA	S.R.K.R ENGINEERING COLLEGE	
33	D.SUBHADRA	S.R.K.R ENGINEERING COLLEGE	
34	P.PUSHPA,K.RAJESWARI	S.R.K.R ENGINEERING COLLEGE	SLIDE-WAR
35	G.N.M.S.RAJESH	S.R.K.R ENGINEERING COLLEGE	
36	GADDE. MOUNIKA	GAYATRI VIDYYA PARISAD, VKSP	
37	JAMPANA MEGHANA	GAYATRI VIDYYA PARISAD, VKSP	
38	NIMMAGADDA SRI VISHNU PRIYA	GAYATRI VIDYYA PARISAD, VKSP	
39	VUDDAGIRI MOUNICA	SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN	
40	SUSARLA SAI SREEJA	SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN	
41	V.PRUDHVIRAJ	S.R.K.R ENGINEERING COLLEGE	TREASURE HUNT
42	A.VENKATA RAJU	S.R.K.R ENGINEERING COLLEGE	
43	A.NAVEEN	S.R.K.R ENGINEERING COLLEGE	
44	P.CHANDRA SEKHAR	S.R.K.R ENGINEERING	

		COLLEGE	
45	N.BIPIN CHANDRA	S.R.K.R ENGINEERING COLLEGE	
46	P.PRUDHVI	S.R.K.R ENGINEERING COLLEGE	
47	M.R.KUMAR	S.R.K.R ENGINEERING COLLEGE	
48	CH.SAI CHARITHA	S.R.K.R ENGINEERING COLLEGE	TREASURE HUNT
49	B.BALATRIPURA SUNDARI	S.R.K.R ENGINEERING COLLEGE	
50	P.GAYATRI	S.R.K.R ENGINEERING COLLEGE	
51	B.ESTHERU	S.R.K.R ENGINEERING COLLEGE	
52	G.CHINNI KRISHNA	S.R.K.R ENGINEERING COLLEGE	
53	D.SUBHADRA	S.R.K.R ENGINEERING COLLEGE	
54	P.RAYUDU	S.R.K.R ENGINEERING COLLEGE	
55	M.PRUDHVI VARMA	S.R.K.R ENGINEERING COLLEGE	
56	M.P.AMRUTHA	VISHNU INSTITUTE OF TECHNOLOGY	
57	A.VENKATA RAJU	S.R.K.R ENGINEERING COLLEGE	UNBLOCK-ME
58	A.NAVEEN	S.R.K.R ENGINEERING COLLEGE	
59	U.SATISH	S.R.K.R ENGINEERING COLLEGE	
59	G.CHINNI KRISHNA	S.R.K.R ENGINEERING COLLEGE	
60	VAGU SRI RAM SANJAY GOPAL	VIGNAN UNIVERSITY	DESIGN-EXPO

S.NO	Name of Sport	Winners	Runners
1	Thug of war(4 teams)	G.Gopal varma	Mukesh 4/4 civil
2	Carroms(16 members)	B.sivannarayana ¾ civil	B.karun kashyap ¾ civil
3	Chess(18 members)	Manas 4/4 CSE	Raja 4/4 CSE
4	Badminton Singles(10 members)	G.santosh ¾ civil	M.sai kiran ¾ mech
5	Badminton Doubles(5 Teams)	K.pavan kalian 4/4 CSE K.charan Varma 2/4 civil	G.santosh ¾ civil M.sai kiran ¾ mech
6	Running	Ch.sri sai tarun 2/4 Mech	M.T.S Subramanyam ¾ EEE
7.	Cricket (8 Teams)	Vasanth Team 4/4 Mech	Jagadeesh Team 2/4 CSE

SPORTS TIME TABLES

Thug of war	6th evening	5th evening	Shankar	Ramani
Carraoms	5th evening	6th evening	harsha	Aparna
Badminton	6th evening	7th evening	k.pavan k.	sravanthi
Running	6th morning	–	Kotha pavan Purushotam	–
Chess	5th evening	6th evening	ganesh	geethika
Kabaddi	–	7th evening		Sravani, faculty
Throwball		5th evening		Deepika
7 stones	7th and 8th	6th evening	Satya sandeep	Sahitya, Karishma, deepika
Cricket	5th ,6th ,7th		Kunasani pavan Satya , kotha pavan	
Football	7th evening		Ganesh	
Basketball	unknown		Ganesh	
Brick walk	6th evening	5th evening	Harsha	Sahitya
Thug of war and Throw ball(FINALS)		7th evening		

WINNERS LIST FOR SPORTS-BOYS

S.NO	Name of Sport	Winners	Runners
1	Thug of war(4 teams)	G.Gopal varma	Mukesh 4/4 civil
2	Carroms(16 members)	B.sivannarayana ¾ civil	B.karun kashyap ¾ civil
3	Chess(18 members)	Manas 4/4 CSE	Raja 4/4 CSE
4	Badminton Singles(10 members)	G.santosh ¾ civil	M.sai kiran ¾ mech
5	Badminton Doubles(5 Teams)	K.pavan kalian 4/4 CSE K.charan Varma 2/4 civil	G.santosh ¾ civil M.sai kiran ¾ mech
6	Running	Ch.sri sai tarun 2/4 Mech	M.T.S Subramanyam ¾ EEE
7.	Cricket (8 Teams)	Vasanth Team 4/4 Mech	Jagadeesh Team 2/4 CSE
8.	Volley Ball(3 Teams)	Vishnu Team ¾ EEE	M.Babu Team 2/4 CSE

WINNERS LIST FOR SPORTS-GIRLS

S. No.	Name of Sport	Winners	Runners
1	Badminton Singles(10 Members)	D.N.sireesha ¾ civil	J.Veekshitha ¾ civil
2.	Badminton Doubles(4 Teams)	D.N.sireesha ¾ civil J.Veekshitha ¾ civil	P.L.prasanna 2/4 civil N.ramya 2/4 CSE
3	7 stones (2 Teams)	Harika Team 4/4 IT	
4.	Carroms (9 members)	N.kavya ¼ IT	Shivani 4/4 CSE
5	Chess (7 Members)	V.anitha 2/4 ECE	M.sireesha ¼ IT
6	BrickWalk(23 Members)	M.mounika ¼ IT	
7.	Thug of war (5 Teams)	V.Jyothi Team 4/4 IT	
8.	Throw ball(3 Teams)	P.Sravya Team ¾ IT	
9.	Kabaddi(2 Teams)	S.Sravya Team 2/4 IT	

PHOTO GALLARY OF SPORTS

TECHFLEET 2K18

WORKSHOP ON

SMART FARMING USING IOT & AI

CONDUCTED BY IT DEPARTMENT

Organised By **MSR TechLabz**

SMART FARMING:

Smart farming is a new concept of farming using IOT and Chat-Bot we Connect the Different Type Sensor (soil moisture Sensor, water pump Controller ...etc) in feild that sensor data Will be analyzed and represented on Chat Bot. (A chatbot (also known as a talkbot, chatterbot, Bot, chatterbox, Artificial Conversational Entity) example like Siri and Cortona .Farmers can ask a question and get an immediate answer or a piece of advice if needed. And we advise you to build your own chatbot that will be created especially for farmers.

1) Introduction of smart farming. ---- 1hr

   a)What is smart Farming .?

   b) How AI works in Smart Farming

   c) Introduction of Iot and Cloud

2) Introduction of Sensors   -30 min

3) Hand on sensors Data Monitoring and sending data to cloud- (4 to 5 Hrs)

Day 2 :

1) Intro of Basics AI (Artificial Intelligence) - 30min

2) Analysis of data – 30 min

3) Making Chat-Bot   3-4 hours

   a) Weather monitoring by hours

   b) Conditions of field (sensor values)

   c) Effective Talk on farming using IOT Values

4) Inter Connection between sensor And Chat-Bot

Components giving from Msr tech labz

1) Node Mcu -1
2) Temperature and humidity sensor -1
3) Soil moisture sensors -1
4) lux Sensor -1
Software
a) Aws Service for 2 -years validation
b) Related books
c) Other Related Books & software's

Prerequisites:
Each participant should bring one laptop with i5/i7, windows 8 or above, internet Dongles should need or Jio mobile which as internet

Certificate criterion:
Certificate of Appreciation from Tryst MIT Media labs in association with MSR Technologies and MSR Tech Labs Private Limited.

TECHFLEET 2K18 WORKSHOP APPRECIATION MEMBERS LIST

SNO	NAME	COLLEGE
1	K.N.S.D Ravi Teja	SRKR ENGINEERING COLLEGE
2	G.Vaishnavi	SRKR ENGINEERING COLLEGE
3	R.Arun Sri Vasthav	SRKR ENGINEERING COLLEGE
4	A.Akhil Varma	SRKR ENGINEERING COLLEGE
5	I.Sashank varma	SRKR ENGINEERING COLLEGE
6	A.Koushik	SRKR ENGINEERING COLLEGE
7	K.Vaishnavi	SRKR ENGINEERING COLLEGE
8	P.Annapurna	SRKR ENGINEERING COLLEGE
9	B.Sri Vidya	SRKR ENGINEERING COLLEGE
10	K.Sushma	SRKR ENGINEERING COLLEGE
11	S.Bindhu Sri vani	DMSSVH COLLEGE OF ENGINEERING
12	S.Fathima	DMSSVH COLLEGE OF ENGINEERING
13	B.Jaya Rajesh	DMSSVH COLLEGE OF ENGINEERING
14	T.Hema Sai	DMSSVH COLLEGE OF ENGINEERING
15	P.Ravi Teja	DMSSVH COLLEGE OF ENGINEERING