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Department of Computer Science and Engineering

FOR PRIVATE CIRCULATION ONLY **VOLUME 11**

UPCOMING EVENTS

>Hacktrack-Workshop

From HOD's Desk

Dear Students,
I warmly welcome all the students of the CSE department for the academic year 2018-2019 and expect your active participation.

Our department magazine '#include<newsletter.h>', the measure of progress, is edited by the new editorial committee from this year. It is an illusive boundary of trust worthiness. It is the talent and outcome of our students which is reflected through this.From this year onwards we will be including students works in a way of appreciation and recognizing them. This is one of the best platforms for our students to present multifaceted personalities and innovative ideas. Our magazine is a balanced collection of technical activities, placement progress, departmental activities, poems, academic achievements, arts etc.

I further wish the members of our department for a successful year ahead.

RCDSS' 18 Research Conference on Data and Decision Science

L-R, Dr.ArunNehru, Dr.B.Amutha, Dr.Y.Narahari, Dr.T.V.Geetha, Dr.K.Suryaprakasa Rao, Dr.S.Prasanna Devi, Dr.K.Duraivelu

Research Conference on Data and Decision Science was organized by Department of Computer Science and Engineering, SRM Institute of Science and Technology, Vadapalani campus on the 4th May 2018.

The Conference was inaugurated by Dr. Y. Narahari, Chair, Division of Electrical Engineering and Computer Science, Indian Institute of Science, Bangalore and Dr. T. V. Geetha, Senior Professor, CSE and Dean, College of Engineering Guindy, Anna University, Chennai who were the chief guests for the day. The event was presided by Mr. J. Chandrakumar, IAS(Retd), Director Admin, SRMIST, Vadapalani campus, Dr. K. Surya Prakasa Rao, Professor(Retd), Anna University and Dr. B. Amutha, Professor and Head of CSE department, SRM IST, Kattankulathur campus were the Session Chairs. Dr. K. Duraivelu, Dean and Dr. S. Prasannna Devi, HOD, CSE felicitated the dignitaries. The keynote address on the topic "Introduction to game theory and mechanism design" was delivered by Dr. Y. Narahari and a keynote on "Recent trends in data and decision science" was delivered by Dr. T. V. Geetha.

Lighting of Kuthuvilakku:
Dr. Y. Narahari

Keynote Address:
Dr. T. V. Geetha

Dean honouring
Dr. K. Suryaprakasa Rao

Our Pride - Sports Day

On **2nd and 3rd of Febraury** our inter department annual sports meet was held with great excitement and adrenaline at SRM Institute of Science and Technology, Kattankulathur Campus. Our department students participated in the events with high energetic level and

enthusiasm. Many sports events were conducted and our department banged the overall championship winning most of the events.

BOYS

 Football - WINNERS

 Basketball - WINNERS

 Badminton (Singles) - WINNERS

 Table Tennis - WINNERS

 Badminton (Doubles) - RUNNERS

 Volleyball - RUNNERS

GIRLS

Throwball - WINNERS

Table Tennis - RUNNERS

Tennikoit - RUNNERS

TECHNOZARRE'18

The White Hat Hackers club of SRM Vadapalani organized a national level technical fest "TECHNOZZARE'18" on 14 and 15 March 2018 in our campus. Technozzare was a flagship event presented by the WHHC. It was a mixture of technology and bizarreness, an event full of surprises. Being an amalgamation of workshops, seminars and fun games, it was a perfect blend of events that are aimed at providing our participants an enriching experience. Despite being just one edition old, it is one of the most hailed fests of the college. In it's second edition, it is nothing but expected to grow. A tornado beckons!

Technical Events
Blockchain and Cryptocurrency workshop was held by Vartul Goyal, Blockchain Security Avisor
Latex workshop was held by Dr. Revathy Venkatraman, Professor, SRMIST
Unity Game Development workshop was held by Aravind Neelakantan, Unity Evangelist
Don't Lose Ctrl competition was held which tested coding and problem solving skills of participants
Game of Hacks competition:An online security based quiz from Checkmarks, an Israel based security Company
Game Dev Hackathon:A game development hackathon conducted by Unity

Non-Technical Events
Sherlock Homies:A series of games that will tickle your brain
Live Hacking:Event with technical and non-technical live demonstration
Alternate Career Options is a worshop on"Alternate Career Options" in a world where competition is suffering and choices for making a career are diverse and widening
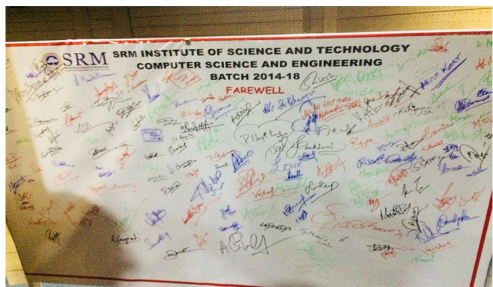
Technozarre' 18 team with honourable chief guest Mr. Manikandan Balakrishnan, Project Manager, TCS

Placement Record

Department of Computer Science and Engineering, SRM Institute of Science and Technology, Vadapalani Campus has a great record of placements for the batch 2014-18. 23 companies offered students best opportunities. A total of 149 students were eligible for competing into placements out of which 79 students were placed in top companies among them 4 students got dual offers.

COMPANY NAME	NUMBER OF STUDENTS	COMPANY NAME	NUMBER OF STUDENTS
Ernst & Young	2	OrangeSpace	1
Infosys	19	FULL CREATIVES	1
TCS	9	Think and Learn	1
CapGemini	3	Growisto	1
QualComm	1	Searsholding	1
Cybage	1	GETMYUNI	2
L&T Infotech	23	FORD	1
WIPRO	4	ODESSA	1
SIEMENS	2	EXTRAMARKS	3
TechAspect	1	DISYS	1
Philips	1	CTS	2
NTT DATA	2		

Farewell Day

Farewell ceremony of the CSE department, for the year 2017-18 was hosted by the pre-final years to the final years on 20.4.2018. They were really excited on the efforts made by their juniors, to make them sign a flex banner with a message on it. An award ceremony for the batch was also organized by the juniors as an effort to make them enthusiastic about the farewell ceremony.
A few cultural performances were given both by the juniors and also the graduating batch.

Since it was the last ever official occasion at under graduate college life, they enjoyed to the utmost level by dancing to songs and having a good snack.

As a legacy to leave behind, they planted saplings in and around our college campus. SRM's staff and students finally wished them a bright and prosperous future endeavours. They will definitely be missed!

University Toppers

9.66 CGPA

I - Year

9.58 CGPA

Shashidhar Ganesh G
2017-21
RA1711003040061

Ramya Ramakrishnan
2017-21
RA1711003040001

9.92 CGPA

II - Year

9.84 CGPA

Kavya M Adiga
2016-20
RA1611003040134

S Sainath
2016-20
RA1611003040167

9.88 CGPA

III - Year

9.75 CGPA

K S Anand
2015-19
RA1511003040243

S Suryaa Charan
2015-19
RA1611003040286

Faculty Development Programme on Research Paper Writing with Hands-on Using LaTeX tool

Dr. S. Prasanna Devi, Dr. T. Thyagarajan, Dr. K. Duraivelu

A two days Faculty development programme on Research Paper Writing with Hands-on Using LaTeX tool was successfully conducted by the Computer Science and Engineering department of SRM IST Vadapalani Campus on **28th and 29th June 2018**. The FDP programme received an overwhelming response with 70 participants from various colleges in the state. The programme was inaugurated on **28th June 2018** by Dr. S. Prasanna Devi, HOD-CSE, Dr. K. Duraivelu, Dean, Dr. T. Thyagarajan, IQAC – Director, Anna University. Also we had Dr. V. Nataraja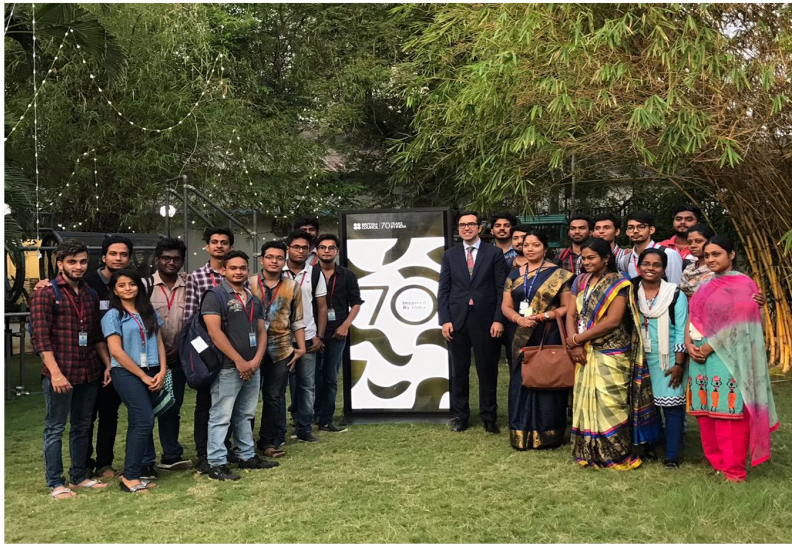n-Senior Professor and Research Consultant, ARI, Dr. MGR Educational Research Institute University, Dr. Revathi Venkataraman, Professor, DCSE, SRMIST - Kattankulathur Campus and Dr. J. Arun Nehru-DCSE, SRM IST-Vadapalani Campus as session speakers.

The introductory session was handled by Dr. T. Thyagarajan which focused on the procedure to do research. As a researcher it is mandatory for one to know the basics and have a core idea in order to satisfy the purpose of research and establish an acceptable conclusion. The next session was handled by Dr. V. Natarajan who presented the smart research strategies. Remaining sessions facilitate researchers in writing research work with the hands on using Latex tool. These sessions were facilitated by our SRM faculties.

Sessions handled by the Speakers

Digital Marketing Workshop Organised by British Council

As part of their 70th year celebration in India, the British Council organized a seminar on Digital Marketing on 29th June 2018. The students along with the four CSE Department Faculty Members Mrs. K. Karthikayani, Mrs. K. Meenakshi, Mrs. D. Punitha and Mrs. Deepa participated in this event. The Guest Mr. Vikas Chawla, Co-founder of Social Beat was welcomed by Mrs. Miriam. It was made clear that questions can be raised at any point of time during the session.The session started with pictures depicting the improvement of technology from 2008-2013. He showed the statistics of each app in our day to day life after each and every interactive session. He gave a clear insight of content marketing, digital advertising, UX design, virtual reality and showed small videos on each of these topics. At last an interesting task was given to the participants and volunteers were asked to propose their answers. He gave some of the points which they missed. He shared the key of Digital Marketing "Engage your viewers" to an extent in which they convert to loyal customers. The College students were given the certificates by Alan Gemmell OBE, Director, British Council, India and Mei-Kwei Barker, Director, British Council, South India during the valedictory function. The physically challenged people were also given their certificate of merit. The event consisted of exhilarating music performances by Anil Srinivasan, Rajesh Vaidhya, Paul Jacob, UK musician George Hadow,Maarten Visser and many more.

10th Induction Day

The inaugural ceremony of the 10th batch of BTech students of SRM Institute of Science and Technology, Vadapalani campus was held on 27th of June 2018. The ceremony officially commenced with a prayer song and lighting of the ceremonial kuthuvilakku. The gathering of students and parents was welcomed by Dr. K. Duraivelu, Dean. The honorable guests for the occasion were Professor Sandeep Sancheti, Vice Chancellor, Dr. N. Sethuraman, Registrar, Mr. J. Chandrakumar, IAS(retd), Director Admin and Vijeyendra Singh, Professor, IIT Mumbai was the Guest of Honour. Dr. N. Sethuraman in his special address assured the students of the equality between campuses and focused on the need for the students to make use of the ample opportunities provided by SRM. Mr. J. Chandrakumar IAS (Retd.), Director Admin in his felicitation stressed on the need for the students to inculcate passion for what they do to achieve success which may not necessarily be the branch originally selected.

He explained this using the example of a short story. The guest of honour, Prof Vijayaendra Singh, IIT Mumbai, congratulated the students on their choice of SRM Vadapalani and commented on the importance of engineering education and the need to remain updated.

The Vice chancellor Dr.Sandeep Sancheti in his inaugural address welcomed the students to the SRM family and highlighted the various recent achievements of the university to the gathering. He further reassured the parents on the ever incessant efforts of SRMIST to enhance the quality of teaching and learning processes for the benefit of the students. The occasion was attended by all heads of the department and faculty members of Vadapalani campus.

The function came to a conclusion by the vote of thanks proposed by Dr.C.Gomathy, head of the department of Electronics and Communications Engineering.
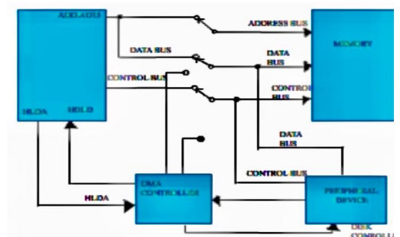

Technical Advancement - eLearn

Concepts of Computer System Architecture

A quick series of videos to help you learn Computer System Architecture.

START LEARNING NOW!

Course Material

This series of videos cover the basic concepts of Computer System and Architecture.

The topics covered in the video series are as follows:

- Direct Memory Access
- Cache Memory
- Addressing Modes
- RAM

Students of our department along with Dr. S. Prasanna Devi, HOD-CSE, Mrs. S. Latha Bhuvaneswari, Asst. Prof. and Mrs. P. Mullai, Asst. Prof took an initiative for digitized learning in our subjects by developing a portal which is popularly known as eLearn. This was inaugurated by Dr. Dhananjay Kumar, Professor-in-charge of UG Program, Department of IT, MIT, Anna University. This includes animations, virtual assistance and lucrative explanations on various topics for the students of various courses right from schools to colleges. Animations are very effective in learning subjects with ease and interest. This covers major topics like DMA, Cache Memory, Addressing Modes, etc. The core student team who worked on the initiative with the help of their co-students are:

> Gurkeerat Singh

> Mani Arasu D

> Nikhil Raj

Link:

www.srmuniv.ac.in/ramapuram-part-vadapalani/engineering/cse/Courseware

Step into the Spotlight

"The Chosen Few!!!!!!"

Arjun.P, I Year
Athul.V.S, I Year

It is an innovation to help blind people in their movement. It is a wrist mounted device which senses any obstacle in front using an ultrasonic sensor. Corresponding feedback is given by a raspberry pi through headsets.

Its A New Ray & A New Way
Just A begining
Penetrated with many confusions,
Many aims and goals to be achieved,
A fear to be trimph over
Nurturing new plans
Its A New Ray &
A New Way!

Huge distance to travel,
Lots of things to experience
Many hurdles to cross ahead
Its A New Ray&
A New Way!

It is all you ,

>Harshitha Reddy, I Year

My Childhood Days
Weeping like a child
Struck in the wild
Longing for the past
Which didnot last
Thinking my memories
But like a cool breeze
It just crossed me
That I failed to see
My beautiful childhood days
But now it makes me craze
It makes me to cry so hard
That even breaks my chord
They are my precious gem
But I cant regain them

>Dominic Anto Prince, I Year

Its an android app called bikeshare, simply put it is a platform in which user scans a qr code in a cycle, which is then unlocked and the user can ride it locally at prices of 5rs and even free of cost due to localized advertisements on the app itself.

>Abilash Senthilkumar, I Year

byke.

This Earth, Won't be a price to buy the face of her, Mens will be fight for a life with her,
Girls will be jealous on seeing her face,
Everyone amaze with whole human race..
O God, You made the earth so cool to be live now,
You gave us the symbol of origin of true love,
In the shape of girl who here that every person love,
Still making so much better place, still kinda making wow..
Seems like you were not belong here, You're like an angel for all,
But I'm the one who be so lucky,
Win your heart to once for all..
O Girl, When you walking in streets with your style, Clouds will cover you but you're still making shine, O My Love, I'm gonna live forever,
With your love o..o..o..o..
Hey you, I love you the most,
I can even tell when I become the ghost, I'll buy you from God with stars of sky, With my love o..o..o..o..
Hey baby, You're the princess of my heart, You filled love in my mind and heart,
I wanna live with you my life forever,
I believe it just happens to only me ever..
O love, You're living everywhere now,
In the hearts of true peoples love,
Thanks for building your castle of love,
I can see the princess on the way coming for me now..
She shoots like a star and came to me hotter, I gave my heart and keep her for long,
The people amazed and tell to others,
God sent an angel in form of love..
O Girl, When you walking in streets with your style, Clouds will cover you but you're still making shine, O My Love, I'm gonna live forever,
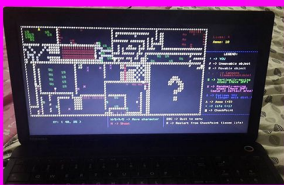With your love o..o..o..o..
Hey you, I love you the most,
I can even tell when I become the ghost, I'll buy you from God with stars of sky, With my love o..o..o..o..
O Girl, When you walking in streets with your style, Clouds will cover you but you're still making shine, O My Love, I'm gonna live forever,
With your love o..o..o..o..
Hey you, I love you the most,
I can even tell when I become the ghost, I'll buy you from God with stars of sky, With my love o..o..o..o..

>Jaffer Ali S, I Year

>Ryan Collins, I Year

This is a game developed using Graphical Language and the theme used in the game gives a shade of 80's.

Logo designed was showcased in Singapore and Mumbai in an expo.

A healthy diet is responsible to build your body fit and this website helps in keeping the bmi and the nutrition level of the is tracked.
Link:
www.nutrizioneindia.com

>Kevin Adams, I Year

Nutrizione
Nutrizione
Everything begins from your plate.

I see myself lying down, dead
My body soaked in red
I see the criminals run away
No guilt and allay
I lie there on the ground
My body full of wound
I see people look at me
But walk off as if they couldn't see
I look at myself with pitying eyes
"These people are really wise"
I wait there for a long time
For someone who could be little kind.
Then I see a few
It was hard to believe, but it was true
They check for my breath
And find me dead
I see them take my body inside a van
I followed them to see what was their plan
I wanted justice and people to help
Then I hear someone yelp.
It is her my mother
Coming with terrible pother.
She walked to my body pretending to be bold
"You will get justice my dear," she told
I saw her kiss on my forehead
While I lay still on the deathbed
Now I know I could rest in peace
Now my fear began to leave
Then my mom walks out to file a case
With anger gleaming on her face
I followed her behind
Unaware of what was in her mind
On the way I see candles lit
I feel happy, a little bit
We reach but they refuse to help
I hear my mother yelp

Lost all hopes she then goes to the protestors for support
They advice my mother to go to the court
Deep in, I know my mother's fear
Fighting alone for her dear,
Would be difficult to achieve
She wishes them to come with her and not leave
Next day it's on the news
Everybody verbally abuse the accused
They debate on it
And then they quit
Candle march continues to go on
They do this till next dawn
When she approaches them individually for help
No one ready to hear my mothers yelp
When she went for help and permission
Some started taking advantage of the situation
Then she went to those who showed hopes of change, of turn
Later pretended as if it was none of their concern
I feel sad looking at this
I wish to tell them to stop and dismiss
Is this the value of my cry?
I see my mother's tears when she looks up the sky
I see them those criminals run
Towards us, shoot my mom with a gun
Shocked I am, I see her fall with thud
Fully covered with blood
She leaves her body and now finds me
She is shocked, she falls on her knee
I see my criminal, our criminal run away
No guilt and allay
They debate again for few days
Then they forget and go on their ways
We now know this was the value of our cry
We hold each other's hand and disappear in the sky.

>Sakshi Dubey, I Year

Self Control >Sriram R M, I Year

"LET NOT OUR NEXT GENERATION DWELL IN PLASTICS"
#RISEAGAINSTPLASTICS

Arjun, I Year> "Let Not Our Next Generation Dwell in Plastics"

To be different

70,000 years ago if an elder told you to avoid eating a plant, you'd listen.

They'd teach you how to spark a fire, build a shelter, throw a spear.

And you'd listen.

That's how we survived as a species.

By listening.

By following.

By taking our tribe's word as gospel.

But modern society has simplified survival.

Shelter, food, and water have become accessible.

Environments predictable.

Yet we continue to obey societal norms unflinchingly.

Because our hunter gatherer brains set off alarms if we go against the grain.

Worried that if we do, we'll die.

That's why students go hundreds of thousands of dollars in debt.

Why young adults choose a safe job they hate over a risky passion project they love.

Why strangers avoid other strangers on the bus.

Being different violates our social conditioning.

So it takes a special person to develop his or her own unique path.

To ask why.

To question 'This is how it's always been done.'

These are the iconoclasts.

The Galileos and Gandhis.

The Mandelas and Malalas.

Who, when speaking their truth, are ignored, laughed at, and fought against.

But hold strong nonetheless.

If you're willing to be different, prepare to be judged.

But know that you're not alone.

You'll occupy that small club of humans.

Who took a different path.

Ignored their elders.

And pushed humanity to new frontiers.

>Shagun, 1 Year

I don't think of you anymore
are the piece of my heart you tore
with a steel tipped relvetant claws.

I try to forget your tender words
that took me to a brighter world
together forever my demons unheard.

I will always remember your teary eyes
when you came to me with your lies
But al i could see was the love in disguise

Love like a flower hat blossomed too fast
A forbidden fruit we knew would never last

>Akaash J, 1 Year

"We are overwhelmed with the response for your support...."

Upcoming Events

Condolence
Hariharan
Batch 2014-2018, CSE-A
SRM Institute of Science & Technology
Vadapalani

We the students and faculties of SRM Institute of Science & Technology pass our deepest condolences on the recent passing of our student Hariharan due to bike accident. To say he was a larger than life character would be an understatement. He will always be remembered as a great dancer — verified by his many awards. His competitive style on the stage and skill were only surpassed by his incredible positive influence and zest for life off the stage.