SRI VENKATESWARA COLLEGE OF ENGINEERING

STUDENTS' RESEARCH DAY

SVCE INNOVATES 2017

Circular

The best innovations of 2017, by the students of SVCE, would be identified by conducting a contest. This is being organized as a college wide event for the fourth time with the following objectives:

To nurture an interest for research and to provide an opportunity to the students to exhibit their creative skills

To inculcate the spirit of healthy competition and to encourage inter-disciplinary innovations

This event is open for undergraduate and postgraduate engineering students of all the departments of SVCE.

Competition details

Abstract should be submitted in a maximum of 500 words and the format for the abstract can be downloaded from the website.

Important Dates

Submission of an abstract of the innovative ideas	**: 10.3.2017**
The results of the short listed abstracts	**: 17.3.2017**
Final event will be held on SVCE students Research Day	**: 24 March 2017**

Team can consist of 2-3 students. Interdisciplinary teams are encouraged. Each team must have a faculty mentor.

Certificates would also be given to the faculty mentors of the winning teams.

Panels of judges from the industry and academia will evaluate all the short listed demos.

All the finalist will have to demonstrate the ideas using poster/Models/software protypes.

Dr R Muthucumaraswamy, Dean (Research)

SRI VENKATESWARA COLLEGE OF ENGINEERING

EVENT: SVCE INNOVATES 2017

Students are requested to submit their abstract to the respective department coordinators through e-mail and also submit hard copy of the abstract and registration form

S.No	Department	Coordinator	e-mail Id
1.	AE	Mr K Paul Durai	pauldurai@svce.ac.in
2.	BT	Dr Nalinkanth V Ghone	nalinkanth@svce.ac.in
3.	CE	Dr V Tamizh Selvi	tamizhselvi@svce.ac.in
4.	CH	Dr R Govindarasu	rgovind@svce.ac.in
5.	CS	Ms N Revathy	revathi@svce.ac.in
6.	EC	Dr S R Malathi	malathiraj@svce.ac.in
7.	EE	Mr K Sundararaman Ms S Arulmozhi Mr S Purushothaman	sundararamank@svce.ac.in arulmozhi@svce.ac.in purush@svce.ac.in
8.	IT	Dr N Kumaratharan	kumaratharan@svce.ac.in
9.	ME	Dr M Ananth Kumar Dr S Ilaiyavel	ananthkumar@svce.ac.in ilaiyavel@svce.ac.in
10.	MR	Mr M Anandan	anand@svce.ac.in

SRI VENKATESWARA COLLEGE OF ENGINEERING

SVCE INNOVATES 2017

STUDENTS' RESEARCH DAY

Registration form

Title of the research work :

Details of the team

Team Member	Name	Branch & Year	Mail Id	Mobile number
1				
2				
3				
Faculty Mentor				

Broad areas under which this research work can be categorized:

1.

2.

3.

SVCE INNOVATES 2017

Title of the Research work :
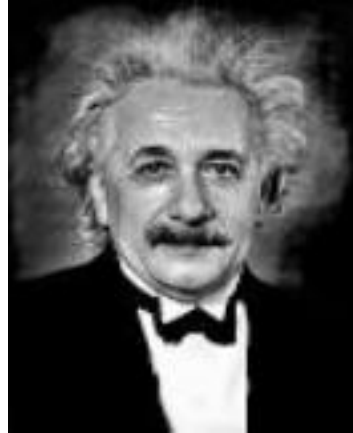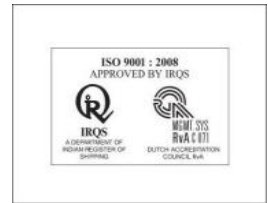

Team ID(to be assigned by department co-ordinator) :

ABSTRACT

SRI VENKATESWARA COLLEGE OF ENGINEERING

Autonomous Institution- Affiliated to Anna University

Pennalur, Sriperumbudur - 602 117

The Management, Staff and Students

Cordially invite you for the

INAUGURAL FUNCTION OF

SVCE INNOVATES 2017- STUDENTS' RESEARCH DAY

by

Mr AMALAN ALVANDAR

Engineering Consultant,
Urban Sanitation & Climate Risk & Vulnerability Assessment (CRVA) Specialist
for Asian Development Bank

Director – Argine Solar Solutions Private Limited, Chennai

Dr M SIVANANDHAM

Secretary, Sri Venkateswara Educational & Health Trust

Will preside over the function

Venue   : Video Hall

Date and Time: 24th March 2017, 9.30 AM

ALL ARE WELCOME

Time	Program
9.30 am - 9.35 am	Prayer song
9.35 am – 9.40 am	Welcome address by Prof. R Muthucumaraswamy Dean (Research)
9.40 am – 9.50 am	Special address by our Secretary **Prof. M Sivanandham**
9.50 am – 9.55 am	Introduction of chief guest Mr Amalan Alavandar by Mr S P Chidambaram
9.55 am – 10.15 am	Inaugural address by chief guest **Mr Amalan Alavandar** *Engineering Consultant, Urban Sanitation & CRVA Specialist for Asian Development Bank and Director – Argine Solar Solutions Pvt. Ltd., Chennai*
10.15 am – 10.25 am	Tea Break
10.30 am – 12.30 pm	Project Presentations and demonstrations By our Students in Multipurpose Hall

Sri Venkateswara College of Engineering,

Students Research Day (SVCE INNOVATES 2017)

REPORT

'Students Research Day 2017' which has now become an annual event, was held on the 24 March 2017 (Friday) in the Video hall at 9.30.AM. The event held under the name "SVCE' Innovates 2017, seeks to channelize the creative ideas of the students and their faculty mentors in to viable projects which would enhance the research output of the college and the knowledge base of the students and the mentors.

The event was organized by the office of the Dean (Research) Dr.R.Muthucumaraswamy and the UG members of the student council, additionally they were supported by the faculty coordinators from each department. The initial circular, inviting the UG and PG students of the various departments of the college to submit their abstracts was released on the 18 February 2017. Students were allowed to group themselves in to batches of 2 to 4 students per batch and were to be mentored by a faculty member. Around 28 abstracts from our department were submitted. Around 60 students participated in the research competition.

S. No	Branch & Year	Name of the students (UG/PG)	Title	Name of the Mentor
1.	CSE, I year	Ajay Saba.A	Internet Of Things(IOT) Controlled Robot	Arul.P Assistant Prof/ECE
2.	CSE,II year	A. Sri Vardhamanan	Using Neural Networks to Analyse handwriting through deep learning	Mr. Yuvaraj . S Assistant Prof/CSE
3.	CSE,II year	Santhosh Kumar J, Rubina Z	Fingerprint authentication app for android 4.0+	Adimoolam. M Assistant Prof/CSE
4.	CSE, III year	Bernard Joseph Kanish, Arun SK	Augmentation Of Gas Turbine Using Fuzzy Logic	Ms. K.S Gayathri Asso Prof/CSE
5.	CSE, III year	Aditi Prakash, Dipika Rajesh	Cyber Bullying Detection Using Sentiment Analysis with Deep Learning	Ms. K.S Gayathri Asso Prof/CSE

6.	CSE, III year	E . Karthick Raja, K .Aditya Sai, Siddarth Kannan	Avoidance Of Train Accident By Automatic Railway Track Change Using Arduino And Sensors	Ms . K.Thaiyalnayaki Associate Prof/ECE
7.	CSE, III year	S. R. Rajamanihandan, B. Praveen Babu, Mohammed Thameem Ansari	GPS Enabled Bus Tracking App using Fleet Telematics	Ms.S. Senthamizh Selvi Assistant Prof/CSE
8.	CSE, III year	Aravind P.G. Akshaya Sai V Ganesh Adithya V	Solving Sudoku using computer vision and Hamiltonian cycle	Ms.Janakasudha G Assistant Prof/CSE
9.	CSE, III year	Madhumitha, R. Nisha, G. M. Nandhini	A signal analysis for determining brain compliance using big data	Ms.R. Iyswarya Assistant Prof/CSE
10.	CSE, III year	G. Seetha Kumaraswamy K. Rajesh Kumar B. Sricharan	Multi Gadget Wi-Charge By Induction Coupling	Ms. K.S Gayathri Asso Prof/CSE
11.	CSE, III year	Ishwar Bharathi T. G. Ashwinkumar	Narada – A Semi-supervised learning approach to Disaster Identification and Management	Dr. V. Vidhya Prof/CSE
12.	CSE, III year	R. Thiruvenkatam, Sridhar. R	A sensor based speed control system	Mr.K.Srinivasan Assistant Prof /CSE
13.	CSE, III year	G. V. Priyanka, Pradeep Kumar K, Akil. M. P	Augmented Reality for improved navigation	Ms.S.Senthamizh Selvi Assistant Prof/CSE
14.	CSE, III year	S. Shakthi Vel R. Sai Krishna	Fingerprint Identification system for Alcohol detection and Anti-Theft	Dr. R. Jayabhaduri Asso Prof/CSE
15.	CSE, III year	Aditi Balaji, Varsha R	The object locatinator using RFID tags	Ms.S. Senthamizh Selvi

		Vasumathi		Assistant Prof/CSE
16.	CSE, IV year	SriBalaji, Santhosh Kumar, VigneshMohan	Secure And Decentralized File Transfer Application Using Blockchain	Mr.K Kumanan Assistant Prof/CSE
17.	CSE, IV year	Sanjana. A - 135 Srideepika.J - 151 Soundarya.S-149	Interactive Image Description	Mrs. R. Gayathri Assistant Prof/CSE
18.	CSE, IV year	Jassim Farhan F, Karan Venkatesh, Keerthivasan A	Compound Recommendation Systems using Multi Sourced Information	Ms. K.S Gayathri Asso Prof/CSE
19.	CSE, IV year	R.Suhash Vasudev Nayar	Integrated Multisensor Navigation System for the Physically impaired with Automatic 3-D Alignment and Real time path planning	Dr. C. Jayakumar Prof. & HoD/CSE
20.	CSE, IV year	Nirmal U Obulesu M Praveen J	Smart Shopping using mobile phone	Dr. C. Jayakumar Prof. & HoD/CSE
21.	ME (CSE), II year	T. Manigandan, B. Nirmala	MCRS: A user friendly Mobile application based Currency Recognition System for visually challenged people.	Dr. V.Vidhya Prof/CSE
22.	ME (CSE), II year	Gerly Eldose, N.Priyadharsini	Smell And Savor Shipment	Dr.S.P.Manikandan Asso Prof/CSE
23.	ME (CSE), II year	F.A Navin Raj	An Intelligent Approach For Document Summarization Through Information Retrievel	Dr. P. Janarthanan Asso. Prof/CSE

24.	ME (CSE), II year	Mekala.G	Fast and Automatic Scalable Scheme For Detection of Lung Nodules in Thoracic CT Images	Ms.Janakasudha.G Assistant Prof /CSE
25.	ME (CSE), II year	M.A Fathima Faumeetha	Improving Qos With Enhanced Security In Vehicular Adhoc Network	Mr.K.Srinivasan Assistant Prof /CSE
26.	ME (CSE), II year	Nagamalini.V	An User Aware Article-Article Recommendation System Using Citation Network Analysis	Mr.Kumaran.T Assistant Prof /CSE
27.	ME (CSE), II year	Elakkiya J	Progressive Assessment System For Dementia Care Through Smart Home	Ms.K.S.Gayathri Asso Prof/CSE
28.	ME (CSE), II year	V. S. Vidhyalakshmi A. Lavanya	Improving the performance of face recognition across gender transformation using machine learning techniques	Ms.R. Bhuvaneswari Assistant Prof/CSE

Total number of abstracts received: 20 (UG) + 8 (PG) = 28

Total number of students   : 49(UG) + 11 (PG) = 60

Total number of mentors   : 16 (CSE) + 2 (ECE) = 18

The Event

On 24.3.2017(Friday), after welcome address by the Dean (Research), the event was inaugurated by Mr Amalan Alavandar, Engineering Consultant, Urban Sanitation and Climate Risk and Vulnerability Assessment specialist for Asian Development Bank and our Secretary preside over the function. Secretary appreciated the students who take part in research competition. He advised the students to take part in research activities apart from academics. In the multipurpose hall, a table was provided to each of the shortlisted batches, where they put up a poster, a hardware model and a laptop for power point presentation.
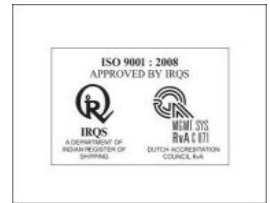
Evaluation

Dr. R.Anitha, Prof. and Head/IT acted as the judge and evaluated the ideas. She spent more than 3 hours and examined each of the project ideas in detail. She appreciated the ideas put up by the students. The judge felt that some of the ideas shall be commercialized. One of the teams was recommended for the first prize (given below). Apart from the prize winners, participation certificates were issued to all the students. Certificate of appreciation was distributed to all the mentors.

Laplace

The Management, Staff and Students

Cordially invite you for the

VALEDICTORY FUNCTION OF

SVCE INNOVATES 2017

STUDENTS' RESEARCH DAY

Address by

Prof. S GANESH VAIDYANATHAN

Principal

SRI VENKATESWARA COLLEGE OF ENGINEEERING

Venue   : Video Hall

Date and Time : 24th March 2017,   2.30 PM

ALL ARE WELCOME

Time	Program
2.30 pm – 2.35 pm	Prayer song
2.35 pm – 2.40 pm	Welcome address by Prof. R Muthucumaraswamy Dean(Research)
2.40 pm – 2.50 pm	Valedictory address by the Principal Prof. S Ganesh Vaidyanathan
2.50 pm – 3.05 pm	Prize distribution by The Principal
3.05 pm – 3.10 pm	Vote of Thanks
3.10 pm – 3.15 pm	National Anthem

Thank you

Prize Winners:

Aravind P.G. Akshaya Sai V Ganesh Adithya V	Solving Sudoku using computer vision and Hamiltonian cycle	Ms.G.Janakasudha Asst.Prof/CSE	First Prize : Rs. 500/-

The valedictory function was held in the afternoon at 2.30 PM in Function Hall. One of our Alumni Dr Subramani Ramakrishnan, IBM and Vice Principal,SVCE acted as the chief guests for the Valedictory function. They distributed cash prizes for the winners and appreciation certificates for first three places.

Ms.N.Revathi
Research Coordinator/CSE

Dr R Muthucumaraswamy
Dean (Research)