

SRI VENKATESWARA COLLEGE OF ENGINEERING (Autonomous)

Pennalur, Sriperumbudur - 602117

**Department Of Chemical Engineering
presents**



PANSOPHY '16

A National Level Technical Symposium

October 1st 2016



Technical

- Avant garde (paper)
- Carte Blanche (poster)
- Es-tu Omni Scienced (quiz)
- Magnum Opus (model)
- Workshop

EVENTS



Non - Technical

- Pic Link
- Mob Photo Fun
- Dubsmash
- Fun Events
- Gaming

ONLINE REGISTRATIONS ARE NOW OPEN
"LAST DATE OF ABSTRACT SUBMISSION 22/09/16"

SPONSORS :  Hexagon Technologies India



Website : www.pansophy2k16.in
Email : pansophy2k16@gmail.com

 http://www.facebook.com/Pansophy_2k16/

CONTACT

Praji dev : 8428651028
Ashoka : 9940959392

REPORT

On

PANSOPHY 2016

A National Level Students' Technical Symposium

INAUGURATION:

The National level technical symposium of the Chemical Department of Sri Venkateswara College of Engineering was conducted on 1st, October 2016. **Mr.S.Subramanian**, M.Tech., MBA. Managing Director, Jai Polymers & Senthil Polymers, Chennai, inaugurated the symposium. The Inaugural function consisted of an invocation song sung by our student Saveetha.S, followed by the presidential address given by Mr. Prajidev, President – Pansophy' 16. The introduction to the chief guest was done by **Dr. N. Meyyappan**, Prof. & Head, Department of Chemical Engineering., followed by an inspiring speech by the honorable chief guest.

PAPER PRESENTATION:

The First event on the agenda was Paper Presentation. It took place between 10.00 – 12.30 am at CB 204. A wide variety of topics are as follows:

- Chemical reaction kinetics and catalysis
- Fluid Mechanics and Mechanical operations
- Separation process and technology
- Surface phenomena(Adsorption)
- Sustainable and green engineering(Environmental Engineering)
- Transport process
- Process modelling and simulation
- Process optimization and control
- Heat transfer
- Biochemical engineering
- Energy utilization and application

There was an overwhelming response of 45 papers, out which the 12 best papers were short listed by our technical committee and were presented upon. The event was judged by **Dr.C.Anand Babu**, Professor and **Dr.R.Govindarasu**, Associate Professors, Department of Chemical Engineering, SVCE.

The list of participants and prize winners are:

S. NO	NAME OF THE STUDENTS	INSTITUTION	TITLE	PRIZE WON
1	PRINCE JAIN RAHUL SURYA	SRM UNIVERSITY	ENERGY GENERATION FROM UREA FUEL CELL	II
2	VISWESH.L, RAMANATHAN.P.S	B.S.ABDUR RAHMAN UNIVERSITY	FLAME RETARDANT FRP COMPOSITES FOR STRUCTURAL APPLICATIONS	
3	DONALD JOHN F, EIZABETH NIRMALA J, GOKUL S	KONGU ENGINEERING COLLEGE	STABILIZATION OF O/W EMULSION USING FOOD GRADE EMULSIFYING AGENTS	
4	M.VALARMATHI	SRIRAM ENGINEERING COLLEGE	SYNTHESIS OF ZINC OXIDE NANOPARTICAL AND ITS PHOTOCATALYTIC DYE DEGRADATION UPON IRRADIATION WITH ENERGY-EFFICIENT LIGHT EMITTING DIODES	III
5	B. SRIJA & V.SHRUTHI	A.C.TECH, ANNA UNIVERSITY	ENVIRONMENTAL ENGINEERING BIOREMEDIATION	
6	SHANKARA NARAYANAN B ,NAVEEN B , ASKIN JOHN SAMUEL R	ST.JOSEPH'S COLLEGE OF ENGG.	WATER PURIFICATION BY SHOCK ELECTRODIALYSIS	
7	JENSI R, NATHIYA K	ANJALAIAMMAL MAHALINGHAM COLLEGE	WASTEWATER TREATMENT USING JET MIXER	
8	HARI PRASAD V P FAKKRUDEEN ALI AHAMED A	JCT	HYBRID TRANSESTERIFICATION AND PYROLYSIS STUDIES ON BIO DIESEL PRODUCTION FROM WASTE COOKING OIL AND PLASTIC SCRAP	I
9	KAUSHIKA.S KALPANA.P	RAJALAKSHMI ENGINEERING COLLEGE	QUALITY ASSESSMENT OF HERBAL FORMULATION AS A PRECONDITION OF PHARMACOLOGICAL AND CLINICAL STUDIES	
10	L.PAVITHRA LEBURU GAYATHRI		NANOPORE OSMOSIS: ELECTRICITY GENERATION SYSTEM	
11	G.NANDHINI	ST.JOSEPH'S COLLEGE OF ENGG.	ABSORPTION-FLUE GAS DESULFURIZATION: A REVIEW	
12	B.FELCIA CHARLOTTE R.ANJANA PREETHI V.SANGAVI		GREEN TECHNOLOGY	

POSTER PRESENTATION:

The Second event was Poster Presentation. The topics are as follows:

- 1) Sustainability and Green Technology
- 2) Energy and Environmental engineering
- 3) Food, Pharmaceutical and Biotechnology
- 4) Process modeling and simulation
- 5) Transport Phenomena
- 6) Material Technology
- 7) Nanotechnology
- 8) Safety and Hazard Management
- 9) Recent trends in Heat transfer
- 10) Chemical reaction kinetics and catalysis
- 11) Agrochemical technology
- 12) Separation process and technology

15 posters were received. 7 of them were shortlisted and called upon for the final presentation. **Dr.D.Swaminathan**, Associate Professor and **Mr.D.Sivakumar**, Assistant Professor, Department of Chemical Engineering judged the event.

The following people from various colleges emerged victorious and cash prizes were given out.

S NO	NAME OF THE STUDENTS	INSTITUTION	TITLE	PRIZE WON
1	NAVEEN.N MANGALASHWARAN.VM OULIDHARAN	KONGU ENGINEERING COLLEGE	COBS WATER PURIFICATION	
2	CHANDRA SEKAR.C.R PRASHANTH.J VIJAI DHUJAN.A	B.S.ABDUR RAHMAN UNIVERSITY	SUSTAINABLE AND GREEN ENGINEERING	I
3	M.G.DIVAKAR, R.S.GOUTHAM KUMAR, MAHESWARAN	A.C.TECH, ANNAUNIVERSITY	METHANOL - AS AN ALTERNATIVE FUEL	
4	P. SUBRAMANIYA SIVA, N .DHIRANESH, K. NANDHA KUMAR	KCT	METHANOGENESIS: MICROBIAL PROCESS FOR FUTURE SOURCE OF ENERGY	
5	PRINCE JAIN, RAHUL SURYA, ASHISH KAPOOR	SRM UNIVERSITY	UREA FUEL CELL	II

MODEL MAKING:

It was conducted between 10.00 to 11.45 am. It was an attempt to encourage students to give shape to their theoretical knowledge. A large number of II year Chemical Engineering

students of SVCE showed keen interest towards this event. They displayed their innovative skills and gave a platform to their working model ideologies.

The models were neatly displayed at near the canteen. This event was judged by

Dr. D.G.Rao, Professor & **Mr.S.Rajasekar**, Assistant Professor, Department of Chemical Engineering. The following teams were awarded for their exotic display of models.

Chemsys sponsored the Model making event by offering the first prize winners with a 50% fees concession on their Process Plant Design (Basic) or Process Plant Design (Advanced) Course.

S NO	NAME OF THE STUDENTS	TITLE	PRIZE WON
1	KARTHICK, ANNIE, ARUNA	PHYTO REMEDIATION	
2	ASHWIN, AKASH, AARTHI	MICROBIAL FUEL CELL	
3	MUTHU SETHUPATHI, SABARRI KUMARAVEL, SRI KANDAN	WASTE WATER PURIFICATION	
4	JNANESH, DHANUSH, GAUTHAM	GAS SENSORS	I
5	KEERTHI, KESAVAN, KRITHIKESAN	PLASTIC PARALYSIS	
6	THARUN VENKAT, SATHISH, SAGAYA RAJ	GENERATION OF HYDROGEN FROM WATER	
7	ABIRAMI, BHAVATHARINI, MATHANGI	BIO PLASTIC USING BANANA PEEL	
8	POOJA, RAGHAVI	BIO PLASTIC USING CORN	
9	RAJALAKSHMI, SOWNDARIYA, ANUPAMA	HYDRO POWER GENERATION	
10	SHILPA KUMAR, NANDITA KANNAN, PAVITHRA	HEAT EXCHANGER	
11	APARNA, MEENAKSHI, BRINDHA	SYNTHESIS OF ACTIVATED CARBON	
12	KAVEEYA, DIVYAM NAYYAR, PRAVEEN KUMAR	SOLAR DISTILLATION	II

TECHNICAL QUIZ:

Technical quiz consisted of two rounds, viz., preliminary and finals comprising of questions from real life chemical engineering problems. The winners were judged by **Ms. A.C.Vijayalakshmi**, Associate Professor and **Ms.G.Sudha**, Assistant Professor, Department of Chemical Engineering. The teams who reached the finals are as follows:

SI NO	NAME OF THE STUDENTS	INSTITUTION	PRIZE WON
1	MOHAMMAD IBRAHIM, MOHAMMAD SHAHNAWAZ, MICHAEL SACHINDER	ST.JOESPH'S COLLEGE OF ENGG	I
2	HAREESH AUGUSTUS, MANISH M. MENON	SATHYABAMA UNIVERSITY	
3	ANKUSH BASU, SIDDHARTH DEY	SRM UNIVERSITY	
4	SURESH KUMAR S, MUKILAN. K	ANNA UNIVERSITY	II

MYSTERY:

It was an on-the-spot event conducted by students to exhibit the participants' technical knowledge (e.g., matching the right compounds). The prelims took place in the Chemical Engg Lab, and 12 teams entered the final round. The event was judged by **Dr.R.Palani**, Associate Professor, and **Ms.S.Swathi**, Assistant Professor, Department of Chemical Engineering. The winners and runners are as follows:

Group NO	NAME OF THE STUDENTS	INSTITUTION	PRIZE WON
1	PRISCILLA, ABISHEK, HITESH	SATHYABAMA UNIVERSITY	I
2	FAZIL PARTHIBAN, UPENDAR	SVCE	II

PIC-LINK:

This event specialized in understanding the pictures and connecting them, based on chemical engineering knowledge. It tested the lateral thinking and observational skills of an individual. A person had to be really good at logical interpretations to be successful. The event was judged by **Ms.G.Saraswathi** and **Ms.D.Durga Devi**, Assistant Professors, Department of Chemical Engineering.

The prize winners and runners names are given below:

GROUP NO	NAME OF THE STUDENTS	INSTITUTION	PRIZE WON
1	DIVYAM NAYYAR, PRAVEEN KUMAR	SVCE	I
2	AKASH RAJA, DHANUSH	SVCE	II

DUBSMASH:

This event aimed at bringing out one's adventurous and fun personality. The participants were asked to enact for a muted video. The judges for this event were **Mr.S.Bharath** and **Mr.S.Rajasekar**, Assistant Professors, Department of Chemical Engineering.

The prize winners and runners names are given below:

GROUP NO	NAME OF THE STUDENTS	INSTITUTION	PRIZE WON
1	RAM, SUNDAR	VALLIAMMAI COLLEGE OF ENGG	I
2	BALAJI	ST.JOSEPH'S COLLEGE OF ENGG	II

GAMING:

The participants were judged based on their online gaming skills in FIFA, COUNTERSTRIKE and MINI MILITIA. The judge for the event was **Dr.M.Yogesh Kumar**, Assistant Professor, Department of Chemical Engineering.

For each category one prize was given to the participants. The winners are:

SI NO	NAME OF THE STUDENTS	INSTITUTION	PRIZE WON
1	DEEPAK, VISHAL	SVCE	COUNTER STRIKE
2	RAJESH	DHANALAKSHMI COLLEGE OF ENGG	FIFA
3	VISHNUPRIYAN	SVCE	MINI MILITIA

FUN EVENTS:

The participants were asked to register for a series of fun events including treasure hunt, and the participants who won maximum number of events or all the events consecutively were awarded prizes. The event was judged by **Ms.N.Sundari** and **Ms.G.Thayanidhi**, Assistant Professors, Department of Chemical Engineering.

The prize winners were:

SI NO	NAME OF THE STUDENTS	INSTITUTION	PRIZE WON
1	RAM SUNDAR	VALLIAMMAI COLLEGE OF ENGG	I
2	JAGADEESAN	VALLIAMMAI COLLEGE OF ENGG	II

MOB PHOTO FUN:

The participants were given a theme once they registered for the event. After a given time, they were asked to display the picture taken inside the campus. The judge for the event was **Mr.B.S.Vishal**, Assistant Professor, Department of Chemical Engineering. The winners and runners are:

SI NO	NAME OF THE STUDENTS	INSTITUTION	PRIZE WON
1	SUKUMAR	VALLIAMMAI COLLEGE OF ENGG	I
2	DHANUSH	SVCE	II

WORKSHOP:

The participants were asked to register for a 3 hour workshop on ASPEN PLUS. It was conducted by **Mr.N.Arun Premanand**, and **Mr.S.Jai Ganesh**, Assistant Professors, Department of Chemical Engineering. The 23 participants who attended the workshop were given participatory certificates.

VALEDICTORY:

The honorable chief guest for the event was **Prof.S.Ramesh**, Warden (SVCE hostels), Professor, Department of Mechanical Engineering, SVCE. He appreciated all the members of Pansophy'16 for making the show a grand success and kindly agreed to give away the prizes to the deserving prize winners. All other faculty members of Department of Chemical Engineering and the students of 2nd and 3rd year were the audience for this valedictory function. The Vote of thanks was given by Sreenidhi, Treasurer, Pansophy 2016. The event came to an end with the rendition of the National Anthem.

Few Pictures from the PANSOPHY 2016- A National Level Students' Technical Symposium, at SVCE.



OVERALL EXPENDITURE DETAILS FOR PANSOPHY '16**Total Amount Received during (Sponsor + College) – RS. 60,000**

Description	Amount (Rs.)
Certificates, Poster & Banner	7388
Canteen Food + lunch for faculty	19,004
Prize money	13,700
Mementos	3300
Decoration & Stationery	7546
Travels	1500
Website	6011
Total: 58449	

Break-up expenditure

Certificate, Poster and banner expenditure:

Name of Bill	Date	Bill No	Description	Amount(Rs.)
Penguin Xerox	29.9.2016	160929171	A3 Board Print	2388
Annai Digital	25.9.2016	4807	Banner 10" x 20"	1300
Annai Digital	30.9.2016	5086	Banner 3" x 1" & 8" x 4"	1900
Annai Digital	27.9.2016	4919	Banner 10" x 10"	600
Penguin Xerox	13.9.2016	-	Print	950
Post office	18.9.2016	-	Stamp	250
Total: 7388				

Canteen Food expenditure:

Name of Bill	Date	Bill No	Description	Amount(Rs.)
SVCE Canteen	07.10.2016	4013	Lunch	14720
Muscat	01/10/2016	1979	Lunch	4284
Total: 19004				

Prize money expenditure:

Name of the event	First prize (.Rs)	Second Prize (.Rs)	Third Prize (.Rs)	Total (Rs.)
Paper Presentation	1000	750	500	2250
Poster Presentation	800	650	-	1450
Model Making	750	500	-	1250
Technical Quize	750	500	-	1250
Mystery	700	500	-	1200
Dubsmash	700	500		1200
Pic Link	700	500		1200
Mob Photo Fun	700	500		1200
Fun Events	700	500		1200
Gaming	500	500	500	1500
				Total: 13,700

Mementos expenditure:

Name of Bill	Date	Bill No	Description	Amount(Rs.)
GRT Jewelers	30/09/2016	492	Mementos	3300
				Total: 3300

Decoration & Fun events expenditure:

Name of the Bill	Date	Bill No	Description	Amount(Rs.)
J. P. Raja Stores	30.9.2016	154617	Fun events item	70
Sri Sakthi Stores	30.9.2016	10987	Gems	50
Krishna Automobiles	29.9.2016	44147	General Parts	250
Sri Ananthi	25.9.2016	43	Plastic balls	300
M.M.Stores	30.9.2016	-	Thread	100

Sri Venkateswara Hardwares	30.9.2016	-	Paint	286
Sri Anantha Hardwares	25.9.2016	-	Sr998	350
SRiram & CO	12.9.2016	20713	Brown cover	217
Rakesh Toys World	30.9.2016	-	Dart game	60
Sri Balaji Handloom Bags	29.9.2016	244	Balls	90
Ram Automobile	29.9.2016	-	Decorative item	150
J.P.Books	29.9.2016	-		725
Friends Offset Calender	29.9.2016	9900		84
Malick Medicals	29.9.2016	044133	Cotton	62
Mahalakshmi Enterprises	30.9.2016	-	m-seal	60
				Total: 2854

Stationery expenditure:

Name of the Bill	Date	Bill No	Description	Amount(Rs.)
Sarwalakshmi Stores	25.9.2016	CA24290	Note Pad	600
Sarwalakshmi Stores	29.9.2016	CA24937	Fab Premium	67.50
Sarwalakshmi Stores	25.9.2016	CA24289	Cutter Blade	76.5
V.Manivannan	28.9.2016	457	ID Cards	1200
Sri Venkateswara Books & Stationary	30.9.2016	10471	Cello Tape, Marker	98
Sri Jain Stores	30.9.2016	-	Chart	40
J.B.Books	25.9.2016	-	Chart	1300
N.P.M Stores	30.9.2016	-	Fevistick	330
Maruti Electronics	28.9.2016	-	LED Board	800
N.P.M Stores	25.9.2016	-	Pen Box	180
				Total:4692

Travel

Name of the Bill	Date	Bill No	Description	Amount (Rs.)
Voucher – Chief Guest	01.10.2016	-	Travel	1500
				Total: 1500

Website

Name of the Bill	Date	Bill No	Description	Amount(Rs.)
Online	02.09.2016	1010843756	Domain	1811
k-teq solutions	25.08.2016	1015	Website Design	4200
				Total: 6011

Coordinators

HOD-CH