



VSSUT NEWS LETTER

Volume – I

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Jan – Dec, 2016

From Vice Chancellor's Desk



It gives me immense pleasure that the VSSUT News Letter (January – Dec, 2016) is published. It will definitely give benefits to the readers to know about the activities made by the University and its faculties, staff and students during the period.

Prof. E. Saibaba Reddy

VISIT OF NAAC TEAM

The NAAC Peer team visited this University during January 13-16, 2016 and the University got the NAAC accreditation from 19th February, 2016.



VISIT OF COA TEAM

The Council of Architecture Expert team visited this University on 18th July, 2016 and approved the 5yr B.Arch. programme with an intake of 40 from the session 2016-17.

VISIT OF NBA TEAM

The NBA Expert team visited this University during July 29-31, 2016 and the University got the NBA accreditation for Five UG programmes Civil Engg. (5 years) and Electrical Engg, Mechanical Engg, Electronics & TC Engg and Computer Science & Engg. (2 years each) with effect from 29th September 2016..

8TH CONVOCATION

The 8TH Convocation of Veer Surendra Sai University of Technology was held on 8th November, 2016 in the Sir Visveswaraya University Auditorium. His Excellency the Governor of Odisha and Hon'ble Chancellor of VSSUT, Burla Dr. S.C. Jamir presided over the Convocation. The Managing Director & CEO, Tech Mahindra India and Chairman, NASSCOM Sri C. P. Gurnani delivered the convocation address as Chief Guest. The University awarded its first degree of Doctor of Science (Honoris Causa) to Sri C.P. Gurnani for his outstanding contribution to the field of Technology and Management. 792 (487 B.Tech, 223 M.Tech., 41 M.Sc., 25 MCA, 09 M.Phil and 08 Ph.D.) students of 2016 pass out batch were awarded degree. 23 gold medals were awarded in the convocation.



CREATION OF INNOVATION CENTRE

VSSUT has been selected for setting up of an innovation centre to carry out activities that facilitate knowledge creation, innovation and entrepreneurship activities. The primary objective is to develop the ideas and innovations of the students and the faculty members into a framework to offer a product or service to the business community for solving community problems.

SKILL DEVELOPMENT PROGRAM

University organised Skill Development Programme in various trades such as Electrical Wiring, Microsoft Excel, MS office, repairing of cell phones, Carpentry, Welding and digital ICs for local youths from 27th June to 2nd July 2016. 175 Nos. of participants were given training in the above fields to enhance their skill in the related field.

INDUSTRY-INSTITUTE INTERACTION

University organised a workshop on Industry-institute interaction on 23rd April 2016 in the campus. 14 leading industries participated in the programme where number of aspects of industry-institute partnership were discussed including deputing staff and students to industries, arranging short term course for industry personnel, engaging the industry

personnel in curriculum development and to participate as guest faculty.

List of Industries Participated :

Sl.No.	Name of the industry
1.	Mahanadi Coalfields Ltd, Burla
2.	National Aluminium Corporation Ltd
3.	TTPS/NTPC Talcher Thermal Power Station, Angul
4.	Vedanta Ltd, Jharsuguda
5.	Hindalco Industries Ltd, Hirakud complex, Hirakud
6.	Aditya Alumnum, Lapanga, Sambalpur
7.	Bhusan Steel and Power Ltd
8.	WESCO Utility, Burla
9.	Hirakud Hydroelectric Project, Burla
10.	Hirakud Dam Project, Burla
11.	OCL India Ltd, Rajgangpur
12.	TRL Krosaki Ref. Ltd
13.	Actron Ispat & Power Ltd
14.	SMC Power Generation Ltd, Jharsuguda

INFRASTRUCTURE DEVELOPMENT

The University has taken up the construction work of several buildings to meet the increasing demand for Classrooms, Departments and residential purposes.

- 1) 100 seated Ladies Hostel (Rohini Hall of Residence)
- 2) University Guest House having 4 suites and 18 rooms are fully operational.

STAFF DEVELOPMENT PROGRAMME ORGANISED

- The Department of Civil Engineering organized a SDP on Recent Advances and Innovations in Transportation Engineering during April 25-30, 2016

- The Department of Electrical Engineering organized a SDP on “Application of AI Techniques to Power System Operation and Control” during May 02-07, 2016

CONFERENCE / WORKSHOP / SEMINAR / SYMPOSIA ORGANISED

Sl No.	Name of the Seminars/ Conferences/ Workshops	Duration (Dates)	Coordinators
1	RESONANCE 2K16	01.04.2016	EE & EEE Deptt.
2	Management Capacity Enhancement- A Technical Education Perspective	29th-31st Jan., 2016	Prof. P K Hota Prof. B. B. Pati Mr. L. Dora
3	Skill Development Program- Electric Wiring	27.06.2016 - 02.07. 2016	Mr. D. K. Lal
4	Skill Development Program- Digital Integrated Circuits	27.06.2016 - 02.07. 2016	Mr. L. Dora
5.	National Conference on “Technological Advancement in Manufacturing and Processing of New Materials” TAMPNM - 2016.	9 th – 10 th April, 2016.	Dr. B.B. Pani Dr. Mihir Kumar Sutar
6	Eclectic Modeling and Analysis Techniques in Mechanical Engineering EMATME	11 th – 16 th April 2016	Dr. Mihir Kumar Sutar Dr. Sarojrani Pattnaik

7	Short Term Course (STP) on Recent Advances in Manufacturing Engineering (RAME)	18 th - 23 rd April 2016.	Dr. S.K.Sarangji
8.	Workshop on Ubiquitous Computing (WUC)	31 st Jan. 2016	CSE & IT & CA Deptt.
9.	Workshop on Enterprenursh ip Development	9 th Apr 2016	CSE & IT Deptt.
10	Skill Development Programme (MS Office, MS- Excel)	27 June – 2 nd July 2016	CSE & IT Deptt.
11	Workshop on Internet of Things Devices and Sensor Networks	22 nd – 23 rd October, 2016	CSE & IT, CA
12	Workshop on Cloud Computing (CSI-CC- 2016)	31 st October - 6 th November 2016	CSE & IT , CA
13.	National Workshop on Nanotechnol ogy: Present and Future Aspects in Science and Engineering (NASE– 2016)	2 nd -3 rd July, 2016	Prof.S.K.Swain

Ph.D. AWARDED

The following students were awarded Ph.Ds in the year 2016

Sl. No	Name of Scholar	Department
1.	Sarita Tripathy	Chemistry
2.	Sarat Chandra Nayak	Comp.Sc.& Engg
3.	Bikramaditya Das	Electrical Engg
4.	Narendra Ku. Yegireddy	Electrical Engg.
5.	Umesh Kumar Rout	Electrical Engg.
6.	Ambarish Panda	Electrical Engg.
7.	Abhijit Sarangi	Physics
8.	Bighnaraj Naik	CSE & IT

NEW COURSES INTRODUCED

The University has introduced two B.Tech programmes specially designed for working engineers of Hindalco.

Sl. No	Steam	Name of the Course	Intake
1.	B.Tech	Power Engineering	15
2.	B.Tech	Manufacturing & Process Engineering	15

PAPER PUBLISHED

1. P. K. Acharya and S. K Patro (2016) "Utilization of ferrochrome wastes such as ferrochrome ash and ferrochrome slag in concrete manufacturing", Waste Management Research DOI: 10.1177 / 0734242X16654751 (Sage), Vol. 34(8), pp 764-774.
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techniques used for health monitoring of structures: a review. Journal of Civil Structural Health Monitoring, 1-31. [DOI: 10.1007 / s13349-016-0168-5] (Springer), Vol.6, pp 477-507.

3. P. K.Acharya, S. K. Patro, & N. C. Moharana, (2016) Effect of Lime on Mechanical and Durability Properties of Blended Cement Based Concrete. Journal of The Institution of Engineers (India): Series A, 1-9. [DOI: 10.1007 /s40030-016-0158-y]. (Springer), Vol. 97(2), pp. 71-79.
4. P.K. Acharya and **S.K. Patro** (2016) "Acid Resistance, Sulphate Resistance And Strength Properties of Concrete Containing Ferrochrome Ash (FA) And Lime", Construction and Building Materials, Vol. 120, pp 241-250. (**Elsevier**)
5. P.K. Acharya, & **S.K. Patro** (2016). Use of ferrochrome ash (FCA) and lime dust in concrete preparation. Journal of Cleaner Production. [DOI:10.1016/j. jclepro. 05.042]. (**Elsevier**), Vol. 131, pp. 237-246
6. S.S.Swain, **S.K. Patro** & R. Sinha (2016)"Numerical Methodology for Dynamic Analysis of Buildings with Friction Dampers", *Bulletin of the New Zealand Society for Earthquake Engineering*, Vol. 49(3), pp 245-266.
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 13. S.C. Swain, **S. Panda**, S. Mahapatra, (2016) A Multi-Criteria Optimization Technique for SSSC Based Power Oscillation Damping Controller Design, *Ain Shams Engineering Journal*, ELSEVIER, Vol. 7, No. 2, pp. 553-565.
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 20. **D.K.Lal**, A.K. Barisal, M. Tripathy (2016), Grey wolf optimizer algorithm based Fuzzy PID controller for AGC of multi-area power system with TCPS, *Procedia Computer Science*, ELSEVIER Vol. 92, pp. no. 99-105.
 21. **P. K. Hota**, N. C. Sahu and **A. K. Barisal**,(2016) “Multiobjective generation dispatch of a hybrid system with fuzzy based space search algorithm”, *International Journal on Electrical Engineering and Informatics*, SCI journal, Vol 8, No. 3 pp -

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WORKSHOP /SHORT TERM COURSE / CONFERENCE ATTENDED

The following no. of teachers have attended STC, Conference and Workshop during 2016.

Sl. No	Name of the Department	No. Of faculty members attended the event
1.	Civil Engineering	07
2.	Electrical Engg. & EEE	18
3.	Mechanical Engineering	23
4.	Electronics & TC Engg.	30
5.	Computer Sc. Engg. & IT	11
6.	Production Engineering	03

7.	Metallurgy & Materials Engg.	18
8.	MCA	13
9.	Physics	06
10.	Chemistry	22
11.	Mathematics	02
12.	Humanities	02
Total		155

BOOKS AUTHORED

Besides teaching and conducting research, the faculty members are active in authoring books. During the year 2016 the following books were authored by the faculty members.

Sl. No	Name of the faculty member	Name of the Books	Publisher
1.	Dr.S.K.Patro & others	Fine tuning of Road and Building Projects: An outcome of Practice	IK Publishers.
2.	Dr.S.K. Panigrahi & Dr.C.R. Mohanty	Advances of Civil Engineering	
3.	Dr. D.Mishra	Basic Mechanical Engineering	India Tech Publishers
4.	Dr.D. Dhupal	Laser Micro Machining On engineering ceramics	Lambert Academic Publishers

CAMPUS SELECTION

17 Nos. of companies have visited the University for Campus Recruitment. The Training & Placement Cell offered jobs to 642 nos. of students through campus recruitment programme. The details of placement are given below.

Sl. No	Name of Recruiting company	No. recruited
1	HINDALCO	06
2	PRADAN	16
3	SAPLAB	02
4	TCS	12
5	Aptus Data Lab	01
6	Mind fire solution	01
7	Infosys	145
8	WIPRO	113
9	Accenture	234
11	Vedant	28
12	MSIL	5
13	Kreeti	1
14	Delloite	17
15	Aptus	6
16	TATA STEEL	6
17	Tech Mahnidra	43
Total No. Of offers		642

PROJECTS & GRANTS RECEIVED

Sl. No.	Name of the funding Agency	Department	Amount in lakhs	Total Amount in lakhs
1.	Govt. of Odisha	Development of Technology Lab	500.00	
		Infrastructure	600.00	

		re Development		1221.00
		Equipment	75.00	
		Innovation Centre	46.00	
2	DST	Elect. Engg.	15.46	15.46
3.	UGC	Mechanical Engg.	14.57	14.57
4.	TEQIP			200.00
5.	QIP			29.50
6.	Institute of Engineers	MME	0.50	0.50
TOTAL				1481.03

FACULTY MEMBERS JOINED

Post	Name of faculty	Department
Professor	Dr. U.R. Jena	EL & TCE
	Dr. Manas Ranjan Panigrahi	Physics
Asso. Professor	Dr. B.B. Mangaraj	El & TCE
	Dr. Sumanta Panda	Mechanical
	Dr. Padmanav Dash	Mechanical
	Dr. Kamal Pal	Production
	Dr. Priyaranjan Mohapatra	Chemistry
	Dr. Trinath Biswal	Chemistry
	Dr. Susanta Kumar Paikray	Mathematics
	Dr. Sushanta Kumar Badjena	MME
	Dr. Chitta Ranjan Deo	Mechanical
	Dr. Saubhagya Kumar Panigrahi	Civil
	Dr. Banaja Mohanty	Electrical
	Dr. Prasanta Kumar Pradhan	Mechanical
	Dr. Punya Priya Mishra	Mechanical
Dr. Ganeswar Nath	Physics	
Dr. Nilamani Bhoi	El & TCE	

	Dr. Anjana Acharya	Physics
	Dr. Siba Prasada Panigrahi	Electrical
	Dr. Manas Ranjan Senapati	IT
	Dr. Arunanshu Mahapatro	El & TCE
	Dr. Harish Kumar Sahoo	El & TCE
	Dr. Arun Kumar Rout	Production
	Dr. Nirmala Kumar Kund	Production
	Dr. Bharati Mohapatra	Architecture
	Dr. Pradip Kumar Sahu	IT
	Dr. Gyana Ranjan Biswal	EEE
	Dr. Anil Kumar Kar	Civil
Asst. Professor	Dr. Pandaba Patro	Mechanical
	Dr. Hrushikesh Barick	Mechanical
Asst. Professor	Mrs. Lipsamayee Mishra	Production
	Miss Smita Pradhan	Production
	Mrs. Sunita Sethy	Production
	Mrs. Anisha Ekka	Production
	Ms. Sagarika Rout	Electrical
	Mrs. Alina Dash	Comp. Sc. & Engg.
	Sri Layalitdev Das	Mechanical
	Sri Sameet Kumar Sahu	Production
	Sri Premananda Ekka	Production
	Mrs. Manila Mallik	MME
	Sri Anil Kumar Murmu	Chemical
	Sri Birendra Kumar Barik	Production
	Sri Amit Mallick	Electrical
	Sri Shasanka Sekhar Dalai	Mechanical
	Sri Prasanta Barla	Hum. (Mgt)
	Dr. Ramakrishna Dandapat	Civil
	Sri Subrat Kumar Sethi	El & TCE
	Dr. Prasanta Kumar	Hum.(English)

	Padhi	
	Sri Pratyusha Pratik	Electrical
	Mrs. Lipika Parida	Chemical
	Dr. Bigyan Ranjan Jali	Chemistry
	Sri Gourahari Behera	MME
	Sri Alok Kumar Ray	Mechanical
	Sri Pratap Kumar Pradhan	Civil
	Mrs. Kshiramani Naik	IT
	Dr. Jasvirnder Pal Singh Virdi	Physics
	Sri Ajaya Kumar Das	Civil
	Sri Jatin Kumar Pradhan	Electrical
	Dr. Nabin Kumar Sahu	Mathematics

STAFF RETIRED

The following faculty / staff members were retired / relieved from duties during the year 2016.

Sl. No	Name of Staff & Designation	Date of Retirement / Relieve
1.	Sri. Jiban Suna, Lab. Attendant	30.04.2016
2.	Sri Rabindra Das Peon	31.07.2016
3.	Sri R.K.Pati Section Officer	31.12.2016

AWARD RECIVED BY FACULTY MEMBERS

- Prof. Sanjaya Kumar Patro, Professor of Civil Engg. was awarded with Civil Engineering Division-First Prize during the 57th Annual Session of Odisha Engineering Congress, 2016 for the paper entitled "Seismic

Performance of Shear Frame Buildings with Friction Dampers”

- Prof. Sanjaya Kumar Patro, Professor of Civil Engg. was awarded with Syed Mumtaz Ali Memorial Award during the 57th Annual Technical Session of Institution of Engineers (India) Orissa State Centre, 2016 for the paper entitled “Sustainable Concrete Using Ferrochrome Ash as Partial Replacement of Cement”
- Prof. P.K.Hota, Professor of Electrical Engg. has received the award GOVINDA GUPTA MEMORIAL RUNNING SHIELD by the Institution of Engineers, Odisha State Centre on 15th September, 2016.
- Prof. P.K.Hota, Professor of Electrical Engg. has been awarded Certificate of Appreciation-2016 in honour of distinguished contribution in the area of Technical education and highly commendable services rendered for the growth of Technical Education System in the state of Odisha by Odisha Section of the Indian Society of Technical Education (ISTE), New Delhi on 24th September, 2016.
- Prof. R. Panda received Highly Cited Research Award from “Swarm and Evolutionary Computation” Journal, Elsevier for the Year 2016.

NON-TEACHING STAFF APPOINTED

The following non-teaching staff (contractual) joined in the University during 2016.

Sl No	Name & Designation	Department
01	Mrutyunjay Das, Mech Gr-III	Elect. Engg.
02	SurjyakantaSahoo, Mech Gr-III	El & TC Engg.
03	GobardhanSuna, Jr. Instructor	Civil Engg.
04	Devi PrasannaKanungo, Jr. Instructor	IT
05	Suraj Kumar Mishra, Jr. Instructor	El & TC Engg.
06	Sameer Kumar Behera, Jr. Instructor	Elect. Engg.
07	Sanjib Kumar Jena, Jr. Instructor	Elect. Engg.
08	Sradhanjali Panda, Attendant	Chemical Engg
09	Mahendra Kumar Meher, Attendant	Chemical Engg
10	Chandan Kumar Pradhan, Mech Gr-III	MME
11	SanjayaJagat, Mech Gr-III	Mech. Engg.
12	Tapa PradiptaSanjibita Das, Caretaker	DSW
13	RatnakarSahoo, Jr. Instructor	MME
14	Laxman Munda, Jr. Instructor	Workshop
15	Prasanta Kumar Samal, Jr. Instructor	Prod. Engg.
16	Dibya Pratap Naik, Jr. Instructor	MME
17	Debraj Pandey, Jr. Instructor	Prod. Engg.
18	SachidanandaBarik, Jr. Instructor	Workshop
19	Amit Kumar Sahoo, Jr. Instructor	Elect. Engg.
20	Debashish Mishra, Jr. Instructor	CSE
21	SujitMohapatra, Jr. Instructor	IT

22	Ramji Dehury, Jr. Instructor	El & TC Engg.
23	Swarnalata Panda, Jr. Instructor	Chemical Engg
24	Jashibhusan Pradhan, Jr. Instructor	Mech. Engg.
25	IndrajeetBhoi, Jr. Instructor	Workshop
26	BrajaKishorOjha, Jr. Instructor	Civil

STUDENTS ACTIVITIES

- The Annual Athletic meet of the University Illumina-2K16 was held during 21-22, January, 2016. More than 40 athletic events were conducted.
- The Biju Patnaik Birthday celebration Marathan was held on 5th March, 2016. About 500 students were participated in the marathon.
- The Spring festival of the University VASSUNT- 2 K16 was held during 19-22 March, 2016. The festival includes events of Dramatic Society, Art & Photography Club, Audio-visual Club and Music Club.
- The Technofest SAMAVESH-2K16 was held during 12-14 February, 2016. About 30 events were organized including events of EDP Cell, Robotics Society and SAE club.
- A mega Blood Donation campaign by SSG society held on 28th February, 2016. 414 units of blood was collected on the date.
- National Youth Day Celebration held on 12th January, 2016 organised by Yoga Club.
- Vriksha Ganga Abhiyan " programme started from 15th August 2016 to October 2016 by Yoga club.
- Seminar on Mysterious Hand Behind Creation held on 12th November 2016 in the University by Yoga club.
- Seminar on Spiritual Scientist held on 19th November 2016 in the University.
- Seminar on Power of Habits held on 26th November 2016 in the University by Yoga club.
- Anti -Addiction Talk delivered by Dr Ram Chandra Pradhan at Marichi Hall of Residence held on 12th December 2016.
- Mr. Jashit Mohanty, Mukesh Kumar Patro, Anurag Behera presented their paper at India International Science Festival- 2016 held on 7th – 14th December, 2016. The team received 2nd best presentation award.
- Student participated in Annual Zonal NASA Convention dated Oct 1st-4th, 2016 organized by Invertis University, Bareilly. Students won prizes in different spot competitions.
- Student participated in Innovision'16 Tech Fest dated 5th-6th Nov, 2016 organized by NIT Rourkela .Students won prizes in different spot competitions.

FORTH COMING EVENTS

- i) The diamond jubilee celebration of the University will be held during March, 2017.
- ii) The NBA Expert team will visit the University on 31st March – 2nd April, 2017.
- iii) The Council of Architecture Expert team will visit the University during April, 2017.
- iv) The Open Day Ceremony of the University will be held during March, 2017.
- v) QIP Short term course on Distributed Estimation and Control in Networked Systems will be held during 6-11 February, 2017.
- vi) QIP Course on “VLSI Technology and Signal Processing” in the 1st week of April 2017, will be organized by Electronics & TC Engg. Deptt.
- vii) QIP Course on Recent trends in antenna analysis and design” from 15th May to 20th May 2017, will be organized by Electronics & TC Engg. Deptt.
- viii) QIP Short term course on Processing & Characterization of Materials (PC) will be held during 24-29th April, 2017 by the Department of Production Engg.
- ix) QIP Short term course on Recent Developments in Plant Maintenance and Condition Monitoring of Machinery will be held during 10-15 April, 2017 by Department of Mechanical Engineering.
- x) QIP Short term course on Application of Metaheuristic Techniques in smart power system Operation, Control and Protection will be held during 1-6th May, 2017.
