DEPARTMENT OF MECHANICAL ENGINEERING

"NEWS LETTER"

JANUARY-JUNE, 2015



PRASAD V. POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY

(Autonomous & permanently affiliated to JNTUK, Kakinada

Accredited by NBA, an ISO 9001:2008 Certified Institution,

Approved by AICTE, New Delhi) KANURU, VIJAYAWADA-520007.

PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY, KANURU, VIJAYAWADA. MECHANICAL ENGINEERING DEPARTMENT

• Workshops/ Seminars/ Guest Lectures/ Training Programmes Conducted in the Department:

- 1. Department of Mechanical Engineering organized a Guest Lecture on FINITE ELEMENT METHODS by Dr. K. Ramji, Professor Department of Mechanical Engineering TEQIP Nodal Officer, Andhra University, Visakhapatnam on 07.03.2015.
- HRD cell of Mechanical Engineering Department organized a *two week* Training Programme on "ANSYS 14.5" by Sri. U. Koteswara Rao, Associate Professor & Smt. P. Phani Prasanthi, Assistant Professor, Department of Mechanical Engineering, PVPSIT, Vijayawada, from 03.03.2015 to 13.03.2015.
- HRD cell of Mechanical Engineering Department organized a *three week* Training Programme on "Pro-E Wild Fire-4.0 Software" by Sri. N. Raghu Ram, Assistant Professor and Sri. Ch. Kishore Reddy, Assistant Professor & Mr. K. Sri Ram Vikas, Assistant Professor, Department of Mechanical Engineering, PVPSIT, Kanuru, Vijayawada from 09.04.2015 to 30.04.2015.
- Department of Mechanical Engineering organized a Interactive Session for faculty by Dr. Kishore Pochiraju, Professor & Director, Design & Manufacturing Institute, Mechanical Engineering Dept, STEVENS INSTITUTE OF TECHNOLOGY, Hoboken, New Jersey, U.S.A. on 06.07.2015

• Faculty Attended Workshops/Seminars/Conferences/Faculty Development Programs:

- 1. M. Naga Swapna Sri has attended one-Day workshop on "Engineering Failure-Prediction, Prevention and Post Analysis" at Andhra University on 13th Feb 2015.
- 2. M.Monica, P. Phani Prasanthi has attended Two-Day Faculty Development Programme on "Finite Element Analysis" at Malla Reddy Engineering College on Feb 2015.
- P.Srikanth has participated, presented and published a paper at 4th International Conference on Material processing and Charecterization at Gokaraju Rangaraju Institute of Engineering & Technology from 14th – 15th March 2015.
- M.Monica has participated, presented and published a paper at 4th International Conference on Material processing and Charecterization at Gokaraju Rangaraju Institute of Engineering & Technology from 14th – 15th March 2015.
- Sd.Abdul Kalam has participated, presented and published a paper at 2nd International Conference on electrical, electronics, engineering trends, communication, optimization and sciences (EEECOS/E3COS)-2015 at Sri Sunflower college of Engineering and Technology from 28th – 30th March 2015.

• Faculty Achievements (M.Phil/M.Tech., Ph.D., or any other higher qualification registered or awarded, guest lectures given, awards and rewards etc.):

---NIL

• Papers Published:

International Journal

- 1. M.Somaiah Chowdary, M.S.R Niranjan Kumar, Effect of Nanoclay on the Mechanical properties of Polyester and S-Glass Fiber (Al), International Journal of Advanced Science and Technology, ISSN: 2005-4238 Vol.74, 2015, pp.35-42
- Kode Srividya, V. Balakrishna Murthy, M.R.S. Satyanarayana, "Influence of hybrid material arrangements on free vibration analysis of thick FRP skew specially orthotropic laminate with circular cutout", International Journal of Engineering Trends & Technology., ISSN 2231- 5381, Vol.20 No. 1, Feb-15
- 3. P. Prasanthi, G. Sambasiva Rao, B. Umamaheswar Gowd, "Mechanical performance of Buckminster fullerene-reinforced composite with interface defects using finite element method through homogenization techniques", Composite interfaces, Doi: 10.1080/09276440.2015.1021223, 2015
- 4. Sai Chandana B., P.Phani Prasanthi, P.Srikanth, "Mechanical Properties of Fiber Reinforced Composites using Finite Element Method", International Journal of Mechanical Engineering and Robotics Research, ISSN:2278-0149, Vol. 4 Issue 1, Jan. 2015
- K.I.V.Vandana, M. Rajya Lakshmi, "Non Contact Surface Finish Monitoring of Machined Surface using Vision System", International Journal of Innovations in Engineering and Technology, ISSN: 2319-1058, Vol. 5 Issue 2, April 2015, pp.359-363.
- B. Melina Queen, P.Phani Prasanthi, P. Srikanth, Dr. K. Sivaji Babu, "Evaluation of Thickness Influence on the Mechanical Properties of Graphene Sheet using FEM", International Journal of Research in Manufacturing Technology & Management, DOA: 28062015, Vol.3, Issue1, Jan-Jun, 2015, pp. 26-32
- K. Durga Prasad, K. Srividya, M. Mounika, T. Srinag, "Natural Frequencies of Thin and Thick Metallic Plates: Analytical and Experimental Approach", International Journal of Research in Engineering and Applied Sciences, ISSN: 2249-3905, Vol. 5, Issue 6, June-2015, pp. 31-47
- P. Mahesh Babu, G. Bala Krishna, "Design & Analysis of Solid Rocket Motor Casing for Aerospace Applications", International Journal of Current Engineering and Technology, ISSN: 2347-5161, Vol.5, No.3, June 2015

Conferences

- 1. M. Mounika, Dr. K. Ravindra, "Characterization of nanocomposites reinforced with cellulose whiskers: A review", ICMPC, March 14-15, 2015
- N. Ravi Kumar, Ch. Ranga raju, P.Srikant, B.Raghava Rao, "Mechanical properties of corn fiber reinforced polypropelene composites using Taguchi Method", ICMPC, March 14-15, 2015
- 3. Sd. Abdul Kalam, G. Ranga Janardhana, R Vijayakumar, "Impact Damage and Failure Response of Aircraft Composite Structures", International conference on Computing, Communication, Electrical, Electronics, Devices and Signal Processing (CCEEDS).

• Student Achievements:

- 1. A.Madhava Sai Swamy of II B.Tech has participated and <u>won 2nd prize</u> in SCREW IT event of AFOSEC'15 at V.R.Siddhartha Engineering College from 5th -6th Feb, 2015.
- 2. D.Akhil Babu of II B.Tech has participated in SCREW IT event of AFOSEC'15 at V.R.Siddhartha Engineering College from 5th -6th Feb, 2015.
- 3. D.Akhil of II B.Tech has participated in Tech Quiz Event and won 3rd prize of AFOSEC'15 at V.R.Siddhartha Engineering College from 5th -6th Feb, 2015.
- N.Bhanu Teja of III B.Tech has participated in event Fourth Estate and <u>won2nd prize</u> in National Level Techno-Management Fest Samyak at K.L.University from 26th -27th Feb, 2015.
- 5. S.V.V.Avinash, S.Sai Chandu of III B.Tech has participated in Black and White Event of AFOSEC'15 at V.R.Siddhartha Engineering College from 5th -6th Feb, 2015.
- 6. K.Ganesh of III B.Tech has participated in Auto Cad Event of AFOSEC'15 at V.R.Siddhartha Engineering College from 5th -6th Feb, 2015.
- T.Rakesh Chandra, U.Pavan Goud of III B.Tech has participated in Cad contest Event of AFOSEC'15 at V.R.Siddhartha Engineering College from 5th -6th Feb, 2015.
- 8. M.Chaitanya of III B.Tech has participated in event paper presentation in National Level Techno-Management Fest Samyak at K.L.University from 26th -27th Feb, 2015.
- A.Eshwar Prasad, M.S.N.V.Krishna of III B.Tech has participated and <u>secured 2nd position</u> in the event Poster presentation in National Level Techno-Management Fest Samyak at K.L.University from 26th -27th Feb, 2015.
- 10. Y.Phani Chandra of III B.Tech has participated in Technical spot event in National Level Techno-Management Fest Samyak at K.L.University from 26th -27th Feb, 2015.
- 11. Y.Mounika of II B.Tech has participated in the event Quadcopter organized by AerotriX at K.L.University from 26th -27th Feb, 2015.
- D.Sravan teja of III B.Tech has Participated in the National Level Student Techno Fest and participated in the Event smart challenge at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada from 27th -28th Feb,2015.
- D.sravan teja of III B.Tech has Participated in the National Level Student Techno Fest and participated in the Event technical quiz at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada from 27th -28th Feb,2015.

- 14. M.Naga Harish of III B.Tech has Participated in the National Level Student Techno Fest and participated in the Event Tech Expo at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada from 27th -28th Feb,2015.
- 15. M.Naga Harish of III B.Tech has Participated in the National Level Student Techno Fest and participated in the Event smart challenge at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada from 27th -28th Feb,2015.
- 16. Y.Mounika of II B.Tech has participated in the Events at National level Technical meet MECHMANTRA at RVR&JC College of Engineering on 28th Feb,2015.
- 17. D.Sravan Teja, B.A.Satyanarayana, M.S.N.V Krishna, B.Kanaka Raju, S.Jithendra , M.A.Naveed, G.Pavan, J.Madhu, K.Ashish Kumar, M.Prashanth, M.Sarath Chandra, G. Dileep Sankar, A.Satish, J.Siva Raj, E. Praveen, B. Ajay Babu, M.Sai Chaitanya, T.Rakesh Chandra, U.Pavan Goud, S.Sai Chandu, K.Ganesh, S.V.V.Avinash, K.Vamsi Krishna of III B.Tech has participated in a Two Day National Level Techno-Cultural Symposium DHANUSH-2015 at Dhanekula Institute of Engineering & Technology from 3rd- 4th March 2015.
- 18. D.Sravan Teja, B.A Satyanarayana, Baiz nazeer of III B.Tech has participated in a Two Day National Level Techno-Cultural Symposium DHANUSH-2015 and participated in the Event lab view and won 1st prize at Dhanekula Institute of Engineering & Technology from 3rd- 4th March 2015.
- 19. A. Krishna Chaitanya, A.Eshwar Prasad of III B.Tech has participated in a Two Day National Level Techno-Cultural Symposium DHANUSH-2015 and participated in Poster Presentation and <u>won 1st prize</u> at Dhanekula Institute of Engineering & Technology from 3rd- 4th March 2015.
- 20. D.Sravan Teja, B.A Satyanarayana of III B.Tech has participated in a Two Day National Level Techno-Cultural Symposium DHANUSH-2015 and participated in Paper Presentation and <u>won 3rd prize</u> at Dhanekula Institute of Engineering & Technology from 3rd - 4th March 2015.
- 21. M.Naga Harish of III B.Tech has participated in a Two Day National Level Techno-Cultural Symposium DHANUSH-2015 and participated in the Event technical quiz at Dhanekula Institute of Engineering & Technology from 3rd- 4th March 2015.
- 22. Baiz Nazeer of III B.Tech has participated in a Two Day National Level Techno-Cultural Symposium DHANUSH-2015 and participated in BEST BIKE DESIGN and won <u>1st prize</u> at Dhanekula Institute of Engineering & Technology from 3rd- 4th March 2015.
- 24. B.Yashwanth, B.Mark Kenneth, K.Bala Bhaskar, K.Sai Chand of II B.Tech has participated in a Two Day National Level Techno-Cultural Symposium DHANUSH-2015 and won 2nd prize in Technical Quiz at Dhanekula Institute of Engineering & Technology from 3rd- 4th March 2015.
- 25. B.Yashwanth, T.Sai Ram, K.Sai Chand of II B.Tech has participated in a Two Day National Level Techno-Cultural Symposium DHANUSH-2015 and won 3rd prize in Lab-View at Dhanekula Institute of Engineering & Technology from 3rd - 4th March 2015.

- 26. G.Hari hara, A.Naveen Varma, D.Siva Sai Krishna, K.Vamsi, Mohan Sai of II B.Tech has participated in a Two Day National Level Techno-Cultural Symposium DHANUSH-2015 in Technical Quiz at Dhanekula Institute of Engineering & Technology from 3rd- 4th March 2015.
- 27. Ch.Durga Shiva Teja of II B.Tech has participated in a Two Day National Level Techno-Cultural Symposium DHANUSH-2015 in the Event lab view and won <u>1st prize</u> Dhanekula Institute of Engineering & Technology from 3rd- 4th March 2015.
- 28. A.Sai Dinesh,B.Naga Raju,L.Vamsi Kiran of III B.Tech has participated in the 9th National Level Technical Symposium Techfest 15 and participated in the Event Grasp the Year and won 2nd prize at Sir C R Reddy College of Engineering on 4th March 2015.
- 29. D.Chaitanya of III B.Tech has participated in the 9th National Level Technical Symposium Techfest 15 and participated in paper presentation and presented a paper on "Graphene" at Sir C R Reddy College of Engineering on 4th March 2015.
- 30. G.Yughandhar Reddy of III B.Tech has participated in the 9th National Level Technical Symposium Techfest 15 and participated in the Event Grasp the Year and won 2nd prize at Sir C R Reddy College of Engineering on 4th March 2015.
- 31. T.Rakesh Chandra, U.Pavan Goud of III B.Tech has participated in CAD contest event of AFOSEC'15 at V.R.S.E.C.from 5th -6th March 2015.
- 32. S.Sai Chandu of III B.Tech has participated in Black & White event of AFOSEC'15 at V.R.S.E.C.from 5th -6th March 2015.
- 33. D.Sravana Teja, B.A.Satyanarayana of III B.Tech has participated in CONNAISSANCE 2K15 in the event machining and <u>won 1st prize</u> at JNTUH College of Engineering Hyderabad from 11th -12th March 2015.
- 34. M.Naga Harish of III B.Tech has participated in CONNAISSANCE 2K15 in the event poster presentation at JNTUH College of Engineering Hyderabad from 11th -12th March 2015.
- 35. M.Naga Harish of III B.Tech has participated in CONNAISSANCE 2K15 in the event Tech Quiz at JNTUH College of Engineering Hyderabad from 11th -12th March 2015.
- 36. M.Naga Harish of III B.Tech has participated in CONNAISSANCE 2K15 in the event Make in 3D at JNTUH College of Engineering Hyderabad from 11th -12th March 2015.
- 37. M.Naga Harish of III B.Tech has participated in the event Technical Quiz at Malla Reddy Engineering College from 13th -14th March 2015.
- 38. M.Naga Harish of III B.Tech has participated in the event paper presentation at Malla Reddy Engineering College from 13th -14th March 2015.

• Industrial Visits:

| S.No | Year of Study | Name of the Industry Visited | Date(s) of Visit | Place |
|------|----------------------------------|---------------------------------|---------------------|--------------------------|
| 1 | III(sec-2) B.Tech II semester | KCP Sugar Industry | 19.02.2015 | Vuyyuru |
| 2 | III(sec-1) B.Tech I semester | KCP Sugar Industry | 20.02.2015 | Vuyyuru |
| 3 | II(sec-2) B.Tech I semester | Liners india | 23.04.2015 | Autonagar, Vijayawada |
| 4 | II(sec-1) B.Tech I semester | Liners india | 23.04.2015 | Autonagar, Vijayawada |

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JULY-DECEMBER, 2015



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KANURU, VIJAYAWADA-520007.

PVPSIDDHARTHA INSTITUTE OF TECHNOLOGY, KANURU, VIJAYAWADA. MECHANICAL ENGINEERING DEPARTMENT

1. Workshops/Seminars/Guest Lectures/Training Programs/Symposiums organized:

GUEST LECTURES

- 1. Department of Mechanical Engineering organized a "INTERACTIVE SESSION FOR FACULTY" by Dr. Kishore Pochiraju, Professor & Director, Design & Manufacturing Institute, Mechanical Engineering Dept, STEVENS INSTITUTE OF TECHNOLOGY, Hoboken, New Jersey, U.S.A. on 06.07.2015
- Department of Mechanical Engineering organized a Guest Lecture on "STRUCTURAL MECHANICS" for faculty and M.Tech students by Dr. S.Raja Group Head, Dynamics & Adaptive Structures Group, Senior principal Scientist, Structural Technologies Division, CSIR-National Aerospace Laboratories, Bangalore on 29.08.2015.
- 3. Department of Mechanical Engineering organized a Guest Lecture on "INDIAN SPACE TRANSPORTATION SYSTEMS" by Sri Ch. Sarat Babu, Scientist E, ISRO, Trivandrum on 24.12.2015.

SEMINARS

1. Department of Mechanical Engineering organized a Two day DST Sponsored National seminar on "MECHATRONICS & MEMS" from 06.11.2015 to 07.11.2015 and the resource persons were Dr.T. Asokan, Professor, IIT, Madras, Dr. K. Ramji, Professor, Andhra University, Visakhapatnam, Dr. S. Somashekar, Associate Professor, IIT, Madras, Dr.V.Vasu, Assistant Professor, NIT, Warangal.

WORKSHOPS

- 1. The Guest Lectures & Seminars Committee of Mechanical Engineering Department organized a One week workshop on "INDUSTRIAL AUTOMATION" (through ICT) by Mrs. Ritula Thakur, Mrs. Lini Mathew from NITTTR, Chandigarh. 05.10.2015 to 09.10.2015
- 2. The Guest Lectures & Seminars Committee of Mechanical Engineering Department organized a One week workshop on ADVANCED MANUFACTURING METHODS (through ICT) by Mr. Sunil Jassal, Mr. PK Rao from NITTTR, Chandigarh from 12.10.2015 to 16.10.2015.

2. Papers presented in Seminars/Conferences/Symposiums by the faculty:

 P. Ravi Kumar has participated and presented a paper titled "Analysis of functionally Graded material by Mori Tanaka Scheme" in the National Conference on the Emerging Trends of Advanced Functional Materials (NCAFM-2015) at K.L.University from 3rd – 4th September, 2015.

3. Workshops/Seminars/Conferences/Faculty Development Programmes attended by the faculty:

- G.Bala Krishna has attended Two-Day workshop on "Practical Introduction to MAT LAB & Simulink conducted by TIFAC-CORE in Automotive Infortronics at VIT University, Vellore from 25th – 26th July, 2015.
- P.Gopala Krishnaiah, K.I.V.Vandana, M.Rajya Lakshmi, Ch.Vidya has participated in Two-Day workshop on "Recent Trends in Manufacturing Technology"at V.R.Siddhartha Engineering College from 30th – 31st July, 2015.
- P.Phani Prasanthi has attended Two-Day workshop on "Non Distructive Testing Process-Techniques and Methods" conduced by Kaiva Engineers Pvt Ltd., at MVR College of Engineering & Technology from 21st – 22nd August, 2015.
- 4. M.V.H. Satish Kumar, Dr. G. Diwakar, Dr.V.V. Sridhara Raju, Dr. K. Srividya, E. Kavitha, P. Ravi Kumar, Sd.Abdul Kalam,G.Bala Krishna, P.Anusha, M.Rajya Lakshmi, P.Srikant, M. Naga Swapna Sri, K.Venkata Rao, N.Raghuram, Ch.Lakshmi Kanth, Ch.Kishore Reddy, Y. Mohan S.S.Ram, T.Srinag, K. Sri Ram Vikas, P.Gopala Krishnaiah, Ch.Vidya has participated in AICTE recognized short term course on "Industrial Automation through ICT" at NITTTR, Chandigarh from 05th-09th September, 2015.
- Dr.G.Vijay Kumar, Dr.M.S.R.Niranjan Kumar, G. Diwakar, K. Srividya, E. Kavitha, P. Ravi Kumar, Sd.Abdul Kalam, P. Phani Prasanthi ,G.Bala Krishna, M. Naga Swapna Sri, N.Raghuram, K. Sri Ram Vikas has participated in a 2-Day DST sponsored National Seminar on "Smart Materials And Structures" at V.R.Siddhartha Engineering College from 28th -29th August 2015.
- Ch.Kishore Reddy, P.Srikant has attended one week Faculty Development Program on "Matlab Applications in Mechanical Engineering" at Gudlavalleru Engineering College from 7th -11th September, 2015.
- P.Phani Prasanthi, M.Mounika has participated in AICTE recognized short term course on "Communication Skills through ICT" conducted by Curriculum Development Centre at NITTTR, Chandigarh from 7th -11th September, 2015.
- Dr.K.Srividya has participated in a 3-Day Training Programme on "Hands on Evolutionary Algorithms using MATLAB" organized by department of Computer Applications & Computer Society of India at P.V.P.Siddhartha Institute of Technology from 10th -12th September, 2015.
- T.Srinag, N.Raghuram has participated in a National Seminar on "Development of Tools using Bio- Materials for Medical Applications" at R.V.R. & J.C College of Engineering from 18th -19th September, 2015.
- Dr. K. Srividya, E. Kavitha has participated in a 2-Day National workshop on "Vibration Monitoring and Analysis of Mechanical Systems" at Gitam University, Visakhapatnam from 14th – 15th October, 2015.
- 11. Dr.K.Sivaji Babu, Dr.M.S.R.Niranjan Kmar, Dr.G.Vijay Kumar, M.V.H. Satish Kumar, Dr. G. Diwakar, Dr.V.V. Sridhara Raju, Dr. K. Srividya, E. Kavitha, P. Ravi Kumar, Sd.Abdul Kalam, P. Phani Prasanthi, G.Bala Krishna, P.Anusha, K.I.V.Vandana, M.Rajya Lakshmi, M.Mounika, P.Srikant, M. Naga Swapna Sri, K.Venkata Rao, N.Raghuram, Ch.Lakshmi Kanth, Ch.Kishore Reddy, Y. Mohan S.S.Ram, T.Srinag,

P.Mastan Rao, K. Sri Ram Vikas, Ch.Mohan Sumanth, P.Gopala Krishnaiah, Ch.Vidya has participated in a 2-Day DST sponsored National Seminar on "MECHATRONICS & MEMS" from 06th -07th Nov 2015 organised by the department of Mechanical Engineering, P.V.P.Siddhartha Institute of Technology.

- 12. P.Anusha, E.Kavitha, M.Naga Swapna Sri has Participated in the National Conference on Advances in Mechanical and Materials Science(AMMS-2015) and presented a paper on "Importance of colour in Radiation Heat Transfer: An Experiment" at Sri Vishnu Institute of Technology, Bhimavaram on 28th Nov 2015.
- 13. U.Koteswara Rao, P.Anusha, E.Kavitha, M.Naga Swapna Sri, G.Bala Krishna has attended the complimentary seminar on MATLAB & SIMULINK for Engineering Education at MathWorks Pvt. Ltd, Vijayawada on 5thFeb, 2016.

4. Publications by the faculty (National/International Journals/ Conferences):

International Journals:

- 1. K.MaheshBabu, Dr.K.SivajiBabu, U. KoteswaraRao, "Repair of notched cantilever beam by piezoelectric material" International Journal of Research in Mechanical Engineering and Technology, ISSN: 2249-5762, Vol. 5, Issue 2, Oct 2015, pp.38-43
- B. Melina Queen, P.PhaniPrasanthi, P. Srikanth, Dr. K. SivajiBabu, "Evaluation of Thickness Influence on the Mechanical Properties of Graphene Sheet using FEM" International Journal of Research in Manufacturing Technology & Management DOA: 28062015, Vol.3, Issuel, Jan-Jun, 2015, pp. 26-32
- K. Durga Prasad, K. Srividya, M. Mounika, T. Srinag, "Natural Frequencies of Thin and Thick Metallic Plates: Analytical and Experimental Approach" International Journal of Research in Engineering and Applied Sciences ISSN: 2249-3905, Vol. 5, Issue 6, June-2015, pp. 31-47
- 4. P. Mahesh Babu, G. Bala Krishna, B.Siva Prasad "Design & Analysis of Solid Rocket Motor Casing for Aerospace Applications" International Journal of Current Engineering and Technology ISSN:2347-5161, Vol5., No.3, June- 2015, pp. 1947-1954
- Sri Ram Vikas K., N. Raghu Ram, Ch. Kishore Reddy, V.V. SridharaRaju, "Process Parameters and Foaming Agents Used in Manufacturing of Aluminium metallic foams: A review" International Journal of Scientific Engineering and Technology, ISSN: 2277-1581, Vol. 4, Issue 10, pp. 505-510, Nov-2015
- M. VenkataBajiSampath, P. Ravi Kumar, G. Diwakar, "Vibration Analysis of Rotating Composite Beam with Dynamic Stiffness Matrix" IOSR Journal of Mechanical and Civil Engineering DOI: 10.9790/1684-1245453, ISSN 2320-334X, Vol. 12, Issue 4, pp. 45-53, Aug. 2015
- Sd. Abdul Kalam, R. Vijaya Kumar, G. RangaJanardhana Effect of Porosity in substitute Bird under high Velocity Loading International Journal of Engineering Sciences & Research Technology ISSN: 2277-9655, Vol. 4 Issue 10, Oct-2015, pp.708

- 8. Anil Krishna B., KIV Vandana, K SivajiBabu Significance of surface pre-treatment for different cutting tools coated by CA- physical vapour deposition International Journal of Advanced Research in Engineering & Management Vol.1, Issue 9, Dec 2015, pp.152
- 9. JilaniShaik, Sd.AbdulKalam, G.Diwakar "Experimental Analysis Of Damping Characteristics For Various Damping Materials" International Journal of Advanced Research in Engineering & Management Vol.1, Issue 9, Dec 2015, pp.191

International Conference

- U. KoteswaraRao, P. BangaruBabu, C. Nagaraju "Active repair of Engineering structures using Piezoelectric patches" 17th ISME Conference, New Delhi, Oct 3-4, pp.1-5
- 2. Lakshmi Srinivas Ch., Narayana Chowdary, D. Srinag, T. Raghavendra "An investigation on Thermal Conductivity of Graphite filled PA66 Composites" International Conference on Material Computational Heat and Mass Transfer-2015

National Conference

 P. Anusha, NVVS Sudheer, E.Kavitha, MN Swapna Sri, "Importance of Colour in Radiation Heat Transfer : An Experiment" Advances in Mechanical and Material Science, Vishnu Institute of Technology, 28thNovember-2015

5. Faculty Achievements (Higher Qualification awarded, guest lectures given, awards and rewards, acted as a Judge or Resource person etc.):

Dr.G.Vijay kumar, professor and head acted as Session chair and judge for National symposium "VIVA-VVIT-15" at VVIT, Numbur, Guntur, on December 22nd 2015.

| S.No | Year of Study | Name of the Industry Visited | Date(s) of visit | place | |
|------|--------------------------------------|---------------------------------|---------------------|---------------|--|
| 1 | IV-B.Tech I semester (section-1) | Lorry owners driving school | 30.07.2015 | Ambapuram | |
| 2 | IV-B.Tech I semester (section-2) | Lorry owners driving school | 31.07.2015 | Ambapuram | |
| 3 | III-B.Tech I Semester (section-1) | NTTPS thermal power plant | 04.08.2015 | Ibrahimpatnam | |
| 4 | IIIB.Tech I Semester (section-2) | NTTPS thermal power plant | 05.08.2015 | Ibrahimpatnam | |
| 5 | IIB.Tech I semester (section-1) | Krishna Engineering works | 08.10.2015 | Enikepadu | |
| 6 | IIB.Tech I semester (section-2) | Krishna Engineering works | 09.10.2015 | Enikepadu | |

6. Industrial Visits:

7. Students selected for GATE/IELTS/GRE/TOEFL and other competitive Examinations:

8. MOUs Signed:

1. KCP Sugar & Industries Corp. Ltd., Vuyyuru, Krishna (Dt.); A.P

10. Students' achievements:

a) Literary and Cultural Activities/Academic awards:

--Nil--

b) Presentation/Participation in Seminars/Conferences/Workshops:

- 39. G. Pavan Krishna of IV B.Tech has participated in Engineers day and presented a Technical Paper on "Nano Robotics" and <u>won 1st prize</u> at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 40. V.S.L.N.Prashanth & V.Sai Avinash of IV B.Tech has participated in Engineers day and presented a Technical Paper on "Vortex Tube Refrigeration System" and <u>won 1st prize</u> at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 41. M.Prasanth & G. Naga Sai of IV B.Tech has participated in Engineers day and presented a Technical Paper on "Thermo Electric Cooling Suit" and <u>won 2nd prize</u> at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 42. N. Bhanu Teja of IV B.Tech has participated in Engineers day and presented a Technical Paper on "Rapid Protyping" and <u>won 2nd prize</u> at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.

- 43. S. Vinod of IV B.Tech has participated in Engineers day and presented a Technical Paper on "Green Engine" and <u>won Consolation prize</u> at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 44. A.Sai Dinesh & B. Kanaka Raju of IV B.Tech has participated in Engineers day and presented a Technical Paper on "Cryogenic Rocket Engine" at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 45. B. Naga Raja & G. Yugandhar Reddy of IV B.Tech has participated in Engineers day and presented a Technical Paper on "Bubble Power" at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 46. M. Naga Harish of IV B.Tech has participated in Engineers day and presented a Technical Paper on "Dual Clutch Transmission" at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 47. V. Murali & Y.Phani Chandra of IV B.Tech has participated in Engineers day and presented a Technical Paper on "Additive Manufacturing" at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 48. S. Sri Ram Dharma Teja, B. Leelu Nitish of III B.Tech has participated in Engineers day and presented a Technical Paper on "Advanced Card for Better Safety" and <u>won 1st prize</u> at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 49. K. Eswar of III B.Tech has participated in Engineers day and presented a Technical Paper on "Fire Fighting Robots" and <u>won 1st prize</u> at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 50. J. Manideep of III B.Tech has participated in Engineers day and presented a Technical Paper on "RWDS" and <u>won 2nd prize</u> at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 51. S.G.R.S. Siddhartha of III B.Tech has participated in Engineers day and presented a Technical Paper on "Automatic Trasmission" and <u>won 2nd prize</u> at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 52. M. Sunil of III B.Tech has participated in Engineers day and presented a Technical Paper on "Mobile Robots" and <u>won Consolation</u> at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 53. A Madhav of III B.Tech has participated in Engineers day and presented a Technical Paper on "Loom Technology" at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 54. N. Bhavani of II B.Tech has participated in Engineers day and presented a Technical Paper on "Geo Thermal Energy" and <u>won 1st prize</u> at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 55. K. Adtiya of II B. Tech has participated in Engineers day and presented a Technical Paper on "Shaft Driven Bicycle" and <u>won 1st prize</u> at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 56. P. Prasanth Vardhan & S. Vamsi Krishna of II B.Tech has participated in Engineers day and presented a Technical Paper on "Wings Of Steel" and <u>won 2nd prize</u> at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.

- 57. Ch. Kesava Manikanta Kumar of II B.Tech has participated in Engineers day and presented a Technical Paper on "Chassis & Different Types of Chassis" and won 2nd prize at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 58. K. Siva Rama Krishna of II B.Tech has participated in Engineers day and presented a Technical Paper on "Car Speed Control Using Blue Tooth" and <u>won Consolation</u> at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 59. N.S.P. Sruthi of II B.Tech has participated in Engineers day and presented a Technical Paper on "3-D Printing" at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 60. Nazeer Baig of IV B.Tech(Sec-1) has participated in Design contest on Engineers day and <u>won 1st prize</u> at P.V.P.Siddhartha Institute of Technology, Kanuru, and Vijayawada on 15th September, 2015.
- 61. V.S.L.N. Prasanth of IV B.Tech (Sec-2) has participated in Design contest on Engineers day and **won 1st prize** at P.V.P.Siddhartha Institute of Technology, Kanuru, and Vijayawada on 15th September, 2015.
- 62. G.Sri Naga Sai of IV B.Tech (Sec-1) has participated in Design contest on Engineers day and **won 2nd prize** at P.V.P.Siddhartha Institute of Technology, Kanuru, and Vijayawada on 15th September, 2015.
- 63. S. Naveen Kumar (Sec-2) of IV B.Tech has participated in Design contest on Engineers day and won 2nd prize at P.V.P.Siddhartha Institute of Technology, Kanuru, and Vijayawada on 15th September, 2015.
- 64. B. Naga Raja & A. Sai Dinesh of IV B.Tech of (Sec-1) has participated in Design contest on Engineers day at P.V.P.Siddhartha Institute of Technology, Kanuru, and Vijayawada on 15th September, 2015.
- 65. G. Pradeep, S. Divakar, V. Murali, Sk. Saddam Hussain of IV B.Tech of (Sec-2) has participated in Design contest on Engineers day a at P.V.P.Siddhartha Institute of Technology, Kanuru, and Vijayawada on 15th September, 2015.
- 66. Nuli. S.G.R.S. Siddhartha of III B.Tech (Sec-1) has participated in Design contest on Engineers day and <u>won 1st prize</u> at P.V.P.Siddhartha Institute of Technology, Kanuru, and Vijayawada on 15th September, 2015.
- 67. B. Yaswanth of III B.Tech (Sec-2) has participated in Design contest on Engineers day and <u>won 1st prize</u> at P.V.P.Siddhartha Institute of Technology, Kanuru, and Vijayawada on 15th September, 2015.
- 68. J.V. Sai Ram of III B.Tech (Sec-1) has participated in Design contest on Engineers day and won 2nd prize at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 69. P. Kranthi Kiran of III B.Tech (Sec-2) has participated in Design contest on Engineers day and <u>won 2nd prize</u> at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 70. A Harika, D. Susmitha, Ch. Venkata Vamsi, D. Akhil Babu, B. Jagadeep, A. Naveen Varma, K. Sai Chand, K. Vamsi Krishna, K. Sravanthi, G. Siva Durga Rao, Ch. Jayanth, B. Sai Kumar, A. Trinadh, K.M.S.V Manikanta, A. Yaswanth, D. Vinay Kumar, D. Krishna, B. Manikanth, A. Satish, A. Devi Vara Prasad, I. Ravi teja, J. Manideep, G. Aravind, A. Jagadeesh, K Bala Bhaskar, K. Eswar of III B.Tech (Sec-1) has participated in Design

contest on Engineers day and at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.

- M. Sunil, M.Swathi Manasa, P. Koundinya Upadrasta, R. Anoop, R. Mani Sai Kumar, S., Sree Harsha, Sk. Nazeer, Sk. Sabir Hussain, S. Bhavya, T. S.S. Prem Chand, V. Leelu Nitesh, P. Raju of III B.Tech (Sec-2) has participated in Design contest on Engineers day at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 72. P. Sumithra of II B.Tech (Sec-1) has participated in Design contest on Engineers day and <u>won 1st prize</u> at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 73. A. Anil of II B.Tech (Sec-2) has participated in Design contest on Engineers day and won <u>1st prize</u> at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 74. S. Devi Priyanka of II B.Tech (Sec-1) has participated in Design contest on Engineers day and won 2nd prize at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 75. B. Hari Krishna of II B.Tech (Sec-2) has participated in Design contest on Engineers day and won 2nd prize at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 76. B. Syam Hemanth Kumar, G. Sameer, K. Yaswanth Sai, K. Siva Rama Krishna, B. Kranthi Kumar, G.V.S.H. Manimuthya Gupta, L. Naveen, M. Mahesh, Md. Ahammad Hussain, G. Venkata Sia Kumar, K. Ranga Raju, N. Ramana Kumar of II B.Tech (sec-1) has participated in Design contest on Engineers day at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 77. S.V. Krishna Reddy, K. SivaSrinivasa Rao, B. Saran, B Raghavendra Rao of II B.Tech (sec-2) has participated in Design contest on Engineers day at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 78. G. Naga Sai IV B.Tech (sec-1) has participated in Tech Jam on Engineers day and won 1st prize at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 79. V.S.L.N Prasanth IV B.Tech (sec-2) has participated in Tech Jam on Engineers day and won 1st prize at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 80. B. Naga Raja of IV B.Tech (sec-1) has participated in Tech Jam on Engineers day and won <u>2nd prize</u> at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 81. S. Naveen Kumar of IV B.Tech (sec-2) has participated in Tech Jam on Engineers day and won 2nd prize at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 82. A. Sai Dinesh, G. Yugandhar Reddy of IV B.Tech (sec-1) has participated in Tech Jam on Engineers day at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- N. Bhanu Tej, P. Prasanth of IV B.Tech (sec-2) has participated in Tech Jam on Engineers day at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.

- 84. K. Eswar of III B.Tech (sec-1) has participated in Tech Jam on Engineers day and won 1st prize at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 85. P. Kranthi Kiran of III B.Tech (sec-2) has participated in Tech Jam on Engineers day and won 1st prize at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 86. J. Manidep of III B.Tech (sec-1) has participated in Tech Jam on Engineers day and won <u>2nd prize</u> at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 87. P. Raju of III B.Tech (sec-2) has participated in Tech Jam on Engineers day and <u>won 2nd</u> <u>prize</u> at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 88. A. Naveen Varma, B. Yaswanth, D. Sai Krishna, D. Akhil, J. Ravi Teja, K.M.S.V Manikanta, K. Abhisheik III B.Tech (Sec-1) has participated in Tech Jam on Engineers day at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 89. M. Sunil, R. Anoop III B.Tech (Sec-2) has participated in Tech Jam on Engineers day at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 90. P. Sumithra of II B.Tech (sec-1) has participated in Tech Jam on Engineers day and <u>won 1st</u> <u>Prize</u> at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 91. B. Hari Krishna of II B.Tech (Sec-2) has participated in Tech Jam on Engineers day and won 1st Prize at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 92. S. Vamsi Krishna of II B. Tech (Sec-1) has participated in Tech Jam on Engineers day and won 2nd Prize at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 93. K. Eswar Sai Chand of II B.Tech (Sec-2) has participated in Tech Jam on Engineers day and won 2nd Prize at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015
- 94. A. Sai Dinesh ,Sabir Hussain , Md.Yaseen has participated in Quiz Contest and won 1st <u>Prize</u> on Engineers day at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 95. L.Vamsi, J.Manideep, K. Ranga Raju has participated in Quiz Contest and won 2nd Prize on Engineers day at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 96. V.S.L.N.Prasanth, S. Divakar, G. Sri Naga Sai of IV B.Tech has participated in Quiz Contest on Engineers day at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 97. D. Siva Sai Krishna, M. Sunil, B. Yaswanth, of III B.Tech has participated in Quiz Contest on Engineers day at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.
- 98. K. Adtiya, S. Vamsi of II B.Tech has participated in Quiz Contest on Engineers day and at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2015.

10: Others, if any:

a) 2012-2016 Batch Campus Placements

| S.No | Name | Branch | Roll No | Company | Date |
|------|-------------------------------|--------|------------|------------------|------------------|
| 1 | AALURI ESWAR PRASAD | MECH | 12501A0301 | TCS | |
| 2 | GADDIPATI SRI NAGA SAI | MECH | 12501A0325 | TCS | |
| 3 | MOHAMMAD ABDUL NAVEED | MECH | 12501A0360 | TCS | |
| 4 | PRADEEP GARIKIMUKKULA | MECH | 12501A0382 | TCS | 27/09/2015 |
| 5 | SUNKARA DIVAKAR | MECH | 12501A0398 | TCS | |
| 6 | V. S. L. NRUSIMHA PRASANTH | MECH | 12501A03A8 | TCS | to 30/09/2015 |
| 7 | VENTRAPRAGADA SAI AVINASH | MECH | 12501A03B6 | TCS | |
| 8 | YELESWARAPU PHANI CHANDRA | MECH | 12501A03B9 | TCS | |
| 9 | YEPURIDEVI | MECH | 12501A03C0 | TCS | |
| 10 | DASARI SRAVANA TEJA | MECH | 13505A0306 | TCS | |
| 11 | D. PURNA VENKATA SUBBA RAO | MECH | 12501A0320 | Tech Mahindra | DEC 7, 2015 |
| 12 | NALLURI BHANU TEJA | MECH | 12501A0368 | Tech Mahindra | DEC 7, 2015 |

b) July – December, 2015 (RESULTS DATA)

I-B.Tech II-Semester : 60.55% (ACADEMIC YEAR 14-15)

II-B.Tech -II -Semester: 72% (ACADEMIC YEAR 14-15)
II-B.Tech -I-Semester: 50% (ACADEMIC YEAR 15-16)
III-B.Tech -I-Semester: 79.58% (ACADEMIC YEAR 15-16)
IV-B.Tech -I-Semester: 89.6% (ACADEMIC YEAR 15-16)