



PRAGATI ENGINEERING COLLEGE

SCIENCE QUEST

JULY TO DEC 2013

VOLUME -4

DEPARTMENT OF BASIC SCIENCES & HUMANITIES

ABOUT DEPARTMENT

To assist all the Engineering Programmes in solving the engineering problems and to enable the students in the basic concepts of sciences and communication skills .

VISION

To Emerge as a Premier Institution for Technical Education in the Country through Academic Excellence and to be recognized as a Center for Excellence in Research and Development, catering to the needs of our Country.

MISSION

To realize a strong Institution by consistently maintaining State -of -art infrastructure and building a cohesive , world class Team and provide need based Technical education Research And development through enhanced Industry Interaction

SHORT TERM GOALS

- To improve soft skills communication skills among the rural background students.
- To inculcate problem solving skills among the students.

LONG TERM GOALS

- To create research environment among the faculty and the students.
- To enable the students to utilize the basic sciences in their core research.

LIST OF FACULTY MEMBERS

For the Month of January 2014

S.No	Name of Faculty	Qualification	Designation
Department of Mathematics			
1	Prof.B.Venkateswara Rao	M.Sc.	Professor
2	Mr T.Satyanarayana	M.Sc.M.Phil, (Ph.D)	Assoc.Prof.&HOD
3	Mr K. Bhaskara Rao	M.Sc., M.Phil	Assoc.Prof.
4	Mr. P.Madhu Babu	M.Sc.	Asst.Prof.
5	Mrs..R. Sugnani	M.Sc., M.Phil	Asst.Prof.
6	Mr.Ch.Satish	M.Sc.	Asst.Prof.
7	Mr.M.V.Raghava Reddy	M.Sc.	Asst.Prof.
8	Mr.K.Rambabu	M.Sc.	Asst.Prof.
9	Ms. V.Sarada	M.Sc.	Asst.Prof.
10	Mr.V.V.Durga Prasad Vanka	M.Sc.	Asst.Prof.
11	Mr.B.V.V.Satyanarayana Murthy	M.Sc.	Asst.Prof.
12	Mr.M. Balaiah	M.Sc., M.Phil (Ph.D)	Asst.Prof.
Department of English			
13	Mrs.M. Madhavi	M.A (Lit)	Asst.Prof.
14	Lt. J.D. Naidu	M.A (Lit) , (M.Phil)	Asst.Prof.
15	Mrs. V. Srujana	M.A (Lit)	Asst.Prof.
16	Mr. B. Kishore Kumar	M.A (Lit)	Asst.Prof.
17	Ms. V.Shirley Grace	M.A (Lit)	Asst.Prof.
18	Mr.SANA Mashahaddi	M.A (Lit)	Asst.Prof.
19	Ms.C.V.L Padmavathi	M.A (Lit)	Asst.Prof.
20	Mrs.A.Jyothi	M.A (Lit)	Asst.Prof.
21	Mrs.K.Hima Chandana	M.A (Lit)	Asst.Prof.
22	Mr.N.Naresh Babu	M.A (Lit)	Asst.Prof.
23	Mr.K.Balaji	M.A (Lit)	Asst.Prof.
24	Mr.K.Chakrapani	M.A (Lit)	Asst.Prof.
25	Mr.Y.Surendra Kumar	M.A (Lit)	Asst.Prof.
26	Mrs.K.Sudha Rani	M.A (Lit)	Asst.Prof.

27	Mr.D.Naga Raju	M.A (Lit)	Asst.Prof.
28	Mrs.M.Sowmya	M.A (Lit)	Asst.Prof.
Department of Physics			
29	Mr P.Raj Shekhar Phaneendra	M.Sc,(M.Phil)	Asst.Prof.
30	Mr.S.Vara Prasad	M.Sc,	Asst.Prof.
31	Mr.G.Ravi Prasad	M.Sc	Asst.Prof.
32	Mr.D.Ravi Kumar	M.Sc	Asst.Prof.
33	Mr.K.V.S.CH.Prasad	M.Sc	Asst.Prof.
34	Mr.R.N.V.Sundar	M.Sc	Asst.Prof.
35	Ms.P.Kiranmai	M.Sc	Asst.Prof.
36	Ms.N.Adi Lakshmi	M.Sc	Asst.Prof.
37	Mr.G.Bhaskara Rao	M.Sc	Asst.Prof.
Department of Chemistry			
38	Mr. N. Ramam	M.Sc, M.Phil	Professor
39	Dr.P.V.S.Machi Raju	M.Sc ,Ph.D	Professor
40	Mr.P.Satyanarayana	M.Sc	Asst.Prof.
41	Ms.A.Jyostna	M.Sc	Asst.Prof.
42	Ms.K.Vani Sri Krishna	M.Sc	Asst.Prof.
43	Ms.M.Sandhya	M.Sc	Asst.Prof.
44	Mrs.D.Saraswathi	M.Sc	Asst.Prof.
45	Mrs.L.D.V.Lakshmi	M.Sc	Asst.Prof.
46	Mr.K.Satyanarayana	M.Sc	Asst.Prof.
47	Ms.P.Sridevi	M.Sc	Asst.Prof.
Department of Environmental Studies			
48	Dr. N.Lakshmi	M.Sc ,Ph.D	Assoc.Prof.
Department of Management Science			
49	Mr S.Vamsi Kiran	MBA, M.Phil (Ph.D)	Assoc.Prof.
50	K.S.V.G.K.Murthy	M.Com	Asst.Prof.
51	Mr.K.Anand	MBA	Asst.Prof.
52	Ms.K.Lakshmi Sudha	MBA	Asst.Prof.

CHEMISTRY DAY CELEBRATIONS

The Department of BS&H, Pragati Engineering College has celebrated **Chemistry Day** on 10/12/2013 in association with ACT (Association of Chemistry Teachers). In this connection, objective type test was conducted.

The details of winners of the competition are:

S.No.	Prize	Roll.No	Name of the Winner
1	First Prize	13A31A05B4	P.Himadeep (CSE-B)
2	Second Prize	13A31A0505	Ch.Sushmitha (CSE-A)
3	Second Prize	13A31A0317	Ch.Srinivas (ME-A)

Dr.S.Sambhu Prasad Principal, Prof.N.Ramam and Prof.P.V.S. Machiraju distributed prizes to the winners of the event.



Faculty Research Publications in International Journals

1. **Dr.P.V.S MACHIRAJ**, Prof.of.Chemistry, J. Srinivasarao , A.V.L.N.S.H.Hari Haran , T.Sivarao published a paper in an Asian Journal of Research in Chemistry on “A Study on Hydro Geochemistry of ground water in visakapatnam Costal Region Using Factor analysis”. ISSN :0974-4169, Vol6 (12), pp:1103-1106 Dec-2013.
2. **Dr.P.V.SMACHIRAJ**,Prof.of.Chemistry,Ch.V.V.SATYAVANI,B.Venkatesw arao, published a paper in an Asian Journal of Research in Chemistry on” Quality Evaluation of ground water near Granite mining area by Physics and Biochemical characterization for better end utilization” ISSN:0974-4169,Vol-6 (12), pp:1103-1106 Dec-2013.
3. **Dr.P.V.S MACHIRAJ**, Prof.of.Chemistry ,K.Jhansi Lakshmi, P. Udaya Bhaskar, published a paper in an International journal on”Physico and Biochemical Analysis of Subsurface Waters near polluted surface water source for Quality Evaluation” ISSN:0975-6299,Int.J Pharm Bio Sci4(4):B867-874 Oct-2013.
4. **Mr.T.Satyanarayana** Assoc.Porf. of Mathematics published a paper in an International journal “ON PARA KENMOTSU MANIFOLD” of Pure Mathematical Sciences,Vol.2,oct -2013,No.4 165-170 HIKARI Ltd.
5. **Dr.P.V.S MACHIRAJ**, Prof.of.Chemistry,K.Jhansi Lakshmi, P. Udaya Bhaskar, published a paper in an International journal on”Quality Evaluation of Subsurface water near an industrial effluent stream by Physicochemical and Microbial Characterization for Assessing their potential for Application” ISSN:2278-1862,Vol2(5),pp:1391-1401 Sep-2013.
6. **Dr.N.Lakshmi**,Prof.of .Environmental sciences published a paper in an International Research journal of Environmental sciences on “Lead uptake and accumulation in ground nut crop grown at different soil lead amendments” Vol.2(9) 1-5 Sep-2013.

7. **Dr.N.Lakshmi**, Prof.of .Environmental sciences published a paper in an International journal of Applied Environmental sciences on “Lead (Pb+2) toxicity on seed germination of ground nut (Arachis hypogeal L.var TMV2) grown in solution and pot culture at various test concentrations of lead” Vol.8 (6), pp 705-714Sep-2013.
8. **Dr.N.Lakshmi**, Prof.of .Environmental sciences published a paper in an International journal of Scientific Research on “Lead uptake and accumulation in sesamum (sesamum indicum L.var YLM-11) grown at different soil lead amendments” ISSN: 2277-8179Vol-2, Issue 9 Sep-2013.
- 9.

Faculty Publications in International Conferences

1. **Mr.T.Satyanarayana** Assoc.Prof. Of Mathematics, Dept. of BS&H presented a paper “Some Curvature Properties of Quarter Symmetric connection of a Para Kenmotsu Manifold” in recent advances in Mathematics at G.V.P.College of Enggineering Vishakapatnam on 19th-22nd Dec, 2013.
2. **Mr.T.Satyanarayana** Assoc.Prof. of Mathematics, Dept. of BS&H presented a paper “Some Curvature Properties Of Quarter Symmetric connection” in A.P Science Congress-2013 at Hyderabad Central University,Hyderabad on14th-16th Nov-2013
3. **Mr.S.Vamsi Kiran** Assoc.Prof. and TPO presented a paper on”CSR practices in Education Sector-a study on select organizations in Andhra Pradesh” at 2nd International conferences on Emerging Markets and Issues in Management(ICEMIM2013).
4. **Mr.T.Satyanarayana** Assoc.Prof. Of Mathematics, Dept. of BS&H presented a paper “ON PARA KENMOTSU MANIFOLD “at 3rd International Conference of Gwalior Academy of Mathematical Sciences (GAMS) NIT BHOPAL on 22nd-26th Sep, 2013.

STUDENT ACHIEVEMENTS

1. K.Murali Kumar, student of I B.Tech Civil, participated in Basket ball competitions and won the first prize on 3-1-2013 to 5-1-2013 under 3rd JNTUK inter collegiate Journal Tournament, held at Sri Vasavi Engineering College, Tadepalligudem.

2. B.Ramakrishna, student of I B.Tech ECE, participated in Kho-Kho competitions under JNTUK Inter University on 2-1-2013 to 9-1-2013, held at Nagarajuna University, Guntur.
3. K. Jahnvi / Sai Priyanka, students of I B.Tech CSE, participated in Shuttle Badminton competitions on 8-1-2013 to 12-1-2013 under Inter University, held at JNTUK.
4. N.Omkar, student of I B.Tech CSE, participated in weight lifting competitions and won silver medal on 1-2-2013 to 2-2-2013 under Inter Collegiate, held at JNTUK.
5. K.Murali Kumar, student of I B.Tech CIVIL, won Silver medal in Decathlon under 20 years, held at JNTUK on 2-2-2013.

EDITORIAL BOARD

1. Mr.T.Satyanarayana -Assoc.Prof.&HOD-BS&H
2. Lt.J.D.Naidu - Asst.Prof. of English
3. Mrs.K.Himachandana -Asst.Prof. of English