



PRAGATI ENGINEERING COLLEGE

Department of Basic Sciences & Humanities

Science quest -July to december 2015

Volume -8

Department Of Basic Sciences & Humanities

About Department

Objective: To assist all the Engineering Programmes in solving the engineering problems and to enable the students to master 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 and communication skills among the students of rural background.
- To inculcate the problem solving skills among the students.

LONG TERM GOALS

- To create research aptitude among staff and students.
- To enable the staff, to utilize the basic science knowledge in their core research.



- To ensure to work staff towards more Ph.Ds.

List of Faculty Members

FACULTY LIST – For the Month of DECEMBER 2015

S.No	Name of Faculty	Designation	Qualification
Department of Mathematics			
1	Sri T.Satyanarayana	Assoc.Prof.&HOD	M.Sc.M.Phil, (Ph.D)
2	Dr.M. Balaiah	Asst.Prof.	M.Sc., M.Phil Ph.D
3	Mr. P.Madhu Babu	Asst.Prof.	M.Sc.
4	Sri K. Bhaskara Rao	Asst.Prof.	M.Sc., M.Phil
5	Mrs..R. Sugnani	Asst.Prof.	M.Sc., M.Phil
6	Mr.Ch.Satish	Asst.Prof.	M.Sc.
7	Mr.M.V.Raghava Reddy	Asst.Prof.	M.Sc.
8	Mr.K.Rambabu	Asst.Prof.	M.Sc.
9	Mr.V.V.Durga Prasad Vanka	Asst.Prof.	M.Sc.
10	Mr.B.V.V.Satyanarayana Murthy	Asst.Prof.	M.Sc.
11	Mrs.P.Sowjanya	Asst.Prof	M.Sc.
12	Ms.S.S.Vara Lakshmi	Asst.Prof	M.Sc.
13	Mr.A.Nagendra	Asst.Prof	M.Sc.
14	Mr.K.Seetha Ram	Asst.Prof	M.Sc.
Department of English			
15	Mrs.M. Madhavi	Asst.Prof.	M.A (Litt)
16	Mr. J.D. Naidu	Asst.Prof.	M.A (Litt)
17	Mr. B. Kishore Kumar	Asst.Prof.	M.A (Litt)
18	Ms. V.Shirley Grace	Asst.Prof.	M.A (Litt)
19	Mrs.K.Hima Chandana	Asst.Prof.	M.A (Litt)



20	Mr.N.Naresh Babu	Asst.Prof.	M.A (Litt)
21	Mr.K.Balaji	Asst.Prof.	M.A (Litt)
22	Mr.K.Chakrapani	Asst.Prof.	M.A (Litt)(Ph.D)
23	Mrs.K.Sudha Rani	Asst.Prof.	M.A (Litt)
24	Mr.D.Naga Raju	Asst.Prof.	M.A (Litt)
25	Ms.B.Sridurga	Asst.Prof.	M.A (Litt)
26	Mr.N.Brahmaiah	Asst.Prof.	M.A (Litt)
27	Mrs.N.Hymavathi	Asst.Prof.	M.A (Litt)
28	Mr.S.Prasad	Asst.Prof.	M.A (Litt) M.A (ELT),(Ph.D)
29	Mr.K.Veslee	Asst.Prof.	M.A (Litt)
30	Mrs.K.Lalitha	Asst.Prof.	M.A (Litt)
31	Mrs.V.Satya Priya	Asst.Prof.	M.A (Litt)
32	Mr.B.B.Ahmad Alibaba	Asst.Prof.	M.A (Litt)
33	Mr.B.K.Vidya Sagar	Asst.Prof.	M.A (Litt), M.Ed.
34	Mr.G.Venkata Ratnam	Asst.Prof.	M.A (Litt), M.A (ELT), (Ph.D)
35	Mr.M.Manikanta Dora	Asst.Prof.	M.A (Litt)
Department of Physics			
36	Sri P.Raj Shekhar Phaneendra	Asst.Prof.	M.Sc,
37	Mr.G.Ravi Prasad	Asst.Prof.	M.Sc,
38	Mr.D.Ravi Kumar	Asst.Prof.	M.Sc
39	Mr.K.V.S.CH.Prasad	Asst.Prof.	M.Sc
40	Mr.G.Bhaskara Rao	Asst.Prof.	M.Sc
41	Ms.V.Naga Lakshmi	Asst.Prof.	M.Sc
42	Mr. N.Rama Krishna	Asst.Prof.	M.Sc



43	Ms.P.Kiranmai	Asst.Prof.	M.Sc
Department of Chemistry			
44	Sri. N. Ramam	Professor	M.Sc, M.Phil
45	Dr.P.V.S.Machi Raju	Professor	M.Sc ,Ph.D
46	Mr.P.Satyanarayana	Asst.Prof.	M.Sc
47	Ms.A.Jyostna	Asst.Prof.	M.Sc
48	Ms.K.Vani Sri Krishna	Asst.Prof.	M.Sc
49	Mr.K. Sri Lakshmi	Asst.Prof.	M.Sc
50	Ms.P.Sridevi	Asst.Prof.	M.Sc
51	Ms.K.V.Indumathi	Asst.Prof.	M.Sc
52	Mrs.R.Amulyam	Asst.Prof.	M.Sc
Department of Environmental Studies			
53	Dr. N.Lakshmi	Assoc.Prof.	M.Sc ,Ph.D
54	Mrs.P.Sravani	Asst.Prof.	M.Sc
55	Ms.N.Prasanthi	Asst.Prof.	M.Sc
Department of Management Science			
56	Sri S.Vamsi Kiran	Assoc.Prof.	MBA M.Phil (Ph.D)
57	K.S.V.G.K.Murthy	Asst.Prof.	M.Com
58	Mr.K.Anand	Asst.Prof.	MBA
59	Ms.K.Lakshmi Sudha	Asst.Prof.	MBA
60	Mr.Ch.Raj Kumar	Asst.Prof.	MBA
61	Mr. B.Rajesh Kumar	Asst.Prof.	MBA, (Ph.D)
Computer Faculty			
62	Mr.P.Raj Kumar	Asst.Prof.	MCA
63	Mr.P.Ramaswamy	Asst.Prof.	MCA
64	Mr.T.Gopi Krishna	Asst.Prof.	MCA



Faculty Publications in International Journals

- 1) B.Vijaya Kumari, Y. L. N.Murthy, **Dr. P. V. S. Machiraju**, Professor of Engineering Chemistry, published a paper on “Quality Evaluation of Soils in Coringa Mangroves Region in East Godavari District for Assessment of Quality for Application” in International Journal of Engineering and Technology, 3 (5), pp - 461-467, 2015. (Impact Factor – 0.8470).
- 2) P. Lakshmi Ganapati, **Dr. P. V. S. Machiraju**, V.Rangarao, T.Siva Rao, Professor of Engineering Chemistry, published a paper on “Quality of Evaluation of Drinking Waters of Rural Water Supplies(RWS) in West Godavari Region of A.P.” in International Journal for Innovative Research in Science and Technology, 1 (12), pp – 522-531, 2015. (Impact Factor – 1.638)
- 3) B.Vijaya Kumari, Y.L.N.Murthy, **Dr. P. V. S. Machiraju**, Professor of Engineering Chemistry, published a paper on “An Investigative Study on Hydro Geochemistry of Waters in Coringa Mangrove Region of East Godavari District” in International Journal for Innovative Research in Science & Technology, 2(1), pp – 98- 107, 2015. (Impact Factor – 1.638)
- 4) **Dr. P. V. S. Machiraju**, S. Rajani, D. Balarama Raju, Professor of Engineering Chemistry, published a paper on “Chemical Characterization of Ground Water near a Sugar Industry for Evaluation of Quality and Potentials for Application” in International Journal for Innovative Research in Science &Technology, 2(7), December 2015. (Impact Factor – 1.638)
- 5) Ch. V. V. Satyavani, **Dr. P. V. S. Machiraju**, B. Venkateswara Rao, Professor of Engineering Chemistry, published a paper on “Hydro



Geochemistry of Ground Water near Mining Activity area by using Multivariate Factor Analysis” in International Journal of Advanced Research in Chemical Science, 3(1), pp – 1-5, January 2016. (Impact Factor- 2.068)

- 6) **T. Satyanarayana**, Assoc. Professor of Mathematics, published a paper on “On Semi Symmetric Para Kenmotsu Manifolds” in Turkish Journal of Analysis and Number Theory, Vol. – 3, No – 6, pp – 145-148, 2015.
- 7) **T. Satyanarayana**, Assoc. Professor of Mathematics, published a paper on “Some Curvature Properties on an Special Para Contact Kenmotsu Manifold with respect to Semi Symmetric Connection” in Turkish Journal of Analysis and Number Theory, Vol. – 3, pp – 94-96, 2015.
- 8) **Dr. Mothukuri Balaiah**, Assoc. Professor of Mathematics, published a paper on “A Fixed Point Theorem in Generalized Metric Spaces” in International Journal of Scientific and Innovative Mathematical Research (IJSIMR), Vol. – 3, Issue: 12, pp – 24-26, ISSN – 2347 – 3142, December 2015

Faculty Participation at National Conferences / Seminars

1. **Dr. Mothukuri Balaiah**, Assoc. Professor of Mathematics, presented a paper on “A Fixed Point Theorem in Generalised Metric Spaces” in a National Conference on Advances in Mathematical Sciences at K. B. N. College, Vijayawada conducted on 30th November 2015.

Faculty Acting as Resource Persons

1. **Dr. P. V. S. Machiraju**, Professor of Engineering Chemistry, attended as Guest of Honour and delivered a talk on “Role of Chemistry for Environmental Sustenance” in the National Chemistry Day Celebrations (10.12.2015), Organized by the Department of Chemistry



in Association with “Association of Chemistry Teachers”(ACT), Mumbai at P. R. Govt. College (Autonomous), Kakinada.

2. **Dr. P. V. S. Machiraju**, Professor of Engineering Chemistry, acted as a Resource Person and delivered a Guest Lecture on “Natures Action and Human Reaction” at Ideal College of Arts and Science (Autonomous), Kakinada, conducted by the Department of Chemistry on 21st December,2015.

NATIONAL UNITY DAY

“**National Unity Day**” was organized in the college premises on 31st October 2015, being the Birth Anniversary of **Sardar Vallabhai Patel** by Lt. J. D. Naidu, Asst. Professor of English along with NCC Cadets. They conducted ‘March past’ to spread the awareness of “**RASHTRIYA EKATA DIVAS**” (National Unity Day)



INTACT

Students of 1st B. Tech., Pragati Engineering College attended the programme “**INTACT – Saving Heritage and Culture – Kakinada as a Smart City**” in regard to support for developing Kakinada as a Smart City, Kakinada.

SWACHA BHARATH

NCC unit Conducted “**SWACHA BHARATH**” and cleaned the college campus and surrounding places on 5th December 2015.



NSS ACTIVITIES

1. NSS unit participated in the **Independence Day Parade** function in JNTU (K), Kakinada on 15th August, 2015. One hundred student volunteers participated in this parade.



2. NSS unit of the college observed the “**Sadbhavana Divas**” on 20th August, 2015 and students participated in Pledge to uphold and preserve the unity of the country.
3. NSS Unit celebrated “**Non Violence Week**” from 29th September to 3rd October 2015 on the eve of **Gandhi Jayanthi** on 2nd Oct, 2015. Various programmes like Skits, Rally, Essay writing, PPTs were organized in the college.

4. A **Blood Donation Camp** by the NSS Unit in association with **Somu Prasad Charitable Trust** on 30th October, 2015 was conducted and 180 units of blood were collected under the medical supervision of a medical team from GGH, Kakinada.



5. NSS unit of the college celebrated 140th Birthday of **Sardar Vallabhai Patel** on 31st Oct, 2015.
6. **Communal Harmony Week** (19th Nov to 25th Nov) was observed by the NSS Unit of the college and students stood in a chain formation as a token of event by the NSS Volunteers to demonstrate “**UNITY IN DIVERSITY**”.





7. On 1st December, **AIDS Day** was observed by the NSS unit and volunteers to create awareness about the AIDS.
8. NSS Unit of the college conducted a fund raising programme for “**White Cane Day**” in Association with Indian Association for the Blind. The contributions were sent to Indian Association for the Blind.

EDITORIAL BOARD

1. Mr.T. Satyanarayana -Assoc. Prof.& HOD-BS&H
2. Lt. J. D. Naidu - Asst. Prof. of English
3. Mr. G.Venkata Ratnam -Asst. Prof. of English

