



PRAGATI ENGINEERING COLLEGE

Department of Basic Sciences & Humanities

Science quest -January to June 2015

Volume -7

Department Of Basic Sciences & Humanities

About Department

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

LONG TERM GOALS

- To create research environment among staff and students.
- To enable the students, to utilize the basic sciences in their core research.
- To see more faculty with PhDs.



List of Faculty Members

FACULTY LIST – For the Month of JUNE 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	Sri K. Bhaskara Rao	Assoc.Prof.	M.Sc., M.Phil
3	Mr. P.Madhu Babu	Asst.Prof.	M.Sc.
4	Mrs..R. Sugnani	Asst.Prof.	M.Sc., M.Phil
5	Mr.Ch.Satish	Asst.Prof.	M.Sc.
6	Mr.M.V.Raghava Reddy	Asst.Prof.	M.Sc.
7	Mr.K.Rambabu	Asst.Prof.	M.Sc.
8	Mr.V.V.Durga Prasad Vanka	Asst.Prof.	M.Sc.
9	Mr.B.V.V.Satyanarayana Murthy	Asst.Prof.	M.Sc.
10	Mr.M. Balaiah	Asst.Prof.	M.Sc., M.Phil (Ph.D)
11	Mr.M.Rajeev	Asst.Prof	M.Sc.
12	Mrs.P.Sowjanya	Asst.Prof	M.Sc.
13	Ms.S.S.Vara Lakshmi	Asst.Prof	M.Sc.
14	Mr.A.Nagendra	Asst.Prof	M.Sc.
Department of English			
17	Mrs.M. Madhavi	Asst.Prof.	M.A (Lit)
18	Mr. J.D. Naidu	Asst.Prof.	M.A (Lit)
20	Mr. B. Kishore Kumar	Asst.Prof.	M.A (Lit)



21	Ms. V. Shirley Grace	Asst.Prof.	M.A (Lit)
25	Mrs.K.Hima Chandana	Asst.Prof.	M.A (Lit)
26	Mr.N.Naresh Babu	Asst.Prof.	M.A (Lit)
27	Mr.K.Balaji	Asst.Prof.	M.A (Lit)
28	Mr.K.Chakrapani	Asst.Prof.	M.A (Lit)(Ph.D)
30	Mrs.K.Sudha Rani	Asst.Prof.	M.A (Lit)
31	Mr.D.Naga Raju	Asst.Prof.	M.A (Lit)
32	Ms.B.Sridurga	Asst.Prof.	M.A (Lit)
33	Mr.N.Brahmaiah	Asst.Prof.	M.A (Lit)
34	Mrs.N.Hymavathi	Asst.Prof.	M.A (Lit)
35	Mr.S.Prasad	Asst.Prof.	M.A (Lit)(Ph.D)
36	Mr.K.Veslee	Asst.Prof.	M.A (Lit)
37	Mrs.K.Lalitha	Asst.Prof.	M.A (Lit)
38	Mrs.V.Satya Priya	Asst.Prof.	M.A (Lit)
39	Mr.B.B.Ahmad Alibaba	Asst.Prof.	M.A (Lit)
Department of Physics			
40	Sri P.Raj Shekhar Phaneendra	Asst.Prof.	M.Sc,
41	Mr.S.Vara Prasad	Asst.Prof.	M.Sc,
42	Mr.G.Ravi Prasad	Asst.Prof.	M.Sc
43	Mr.D.Ravi Kumar	Asst.Prof.	M.Sc
44	Mr.K.V.S.CH.Prasad	Asst.Prof.	M.Sc
46	Mr.G.Bhaskara Rao	Asst.Prof.	M.Sc(Ph.D)
47	Ms.N.Adi Lakshmi	Asst.Prof.	M.Sc
48	Ms.P.Kiranmai	Asst.Prof.	M.Sc
Department of Chemistry			
52	Sri. N. Ramam	Professor	M.Sc, M.Phil



53	Dr.P.V.S.Machi Raju	Professor	M.Sc ,Ph.D
54	Mr.P.Satyanarayana	Asst.Prof.	M.Sc
55	Ms.A.Jyostna	Asst.Prof.	M.Sc
56	Ms.K.Vani Sri Krishna	Asst.Prof.	M.Sc
59	Mr.K.Satyanarayana	Asst.Prof.	M.Sc
60	Ms.P.Sridevi	Asst.Prof.	M.Sc
61	Ms.K.V.Indumathi	Asst.Prof.	M.Sc
62	Mrs.R.Amulyam	Asst.Prof.	M.Sc
Department of Environmental Studies			
63	Dr. N.Lakshmi	Assoc.Prof.	M.Sc ,Ph.D
64	Mrs.P.Sravani	Asst.Prof.	M.Sc
65	Ms.N.Prasanthi	Asst.Prof.	M.Sc
Department of Management Science			
66	Sri S.Vamsi Kiran	Assoc.Prof.	MBA M.Phil (Ph.D)
67	K.S.V.G.K.Murthy	Asst.Prof.	M.Com
68	Mr.K.Anand	Asst.Prof.	MBA
69	Ms.K.Lakshmi Sudha	Asst.Prof.	MBA
70	Mr.Ch.Raj Kumar	Asst.Prof.	MBA

INTERNATIONAL YOGA DAY CELEBRATIONS

International Yoga Day was celebrated by the Department, organized in the college premises on 21st June 2015. **Dr. P Krishna Rao, Chairman of the college** was the **Chief Guest of the occasion.**



Faculty Publications in International Journals

1. **Mr. T. Satyanarayana** Associate Prof. of Mathematics published a paper in an international journal of Advances in Applied Science Research “On Para Kenmotsu Manifold Satisfying certain conditions on the Curvature Tensors” .VOL: 6 (4), 2015 .ISSN:0976-8610.
2. **Mr. T. Satyanarayana** published a paper in an international journal of Mathematical Sciences and Engineering Applications “On a Type of Para Kenmotsu Manifold” .VOL: 9 (1), 2015 pp.283-291.
3. **Dr. N. Lakshmi** Prof.Of Environmental Studies published a paper in an International Journal of Current Research in Life Sciences “Lead content in seeds of Sesamum (Sesamum indicum L. Var YLM - 11) grown at different soil lead amendments” Vol. 4, No. 6, pp. 206-208, June, 2015.
4. **Lt.J.D.Naidu** Asst.Prof.Of English published a paper in an International Journal of Indian Literary Vistas on “The Theme of Poverty and Emancipation in selected short stories of Mulk Raj Anand ISBN: 978-93-84737-02-3”, 2015.

Faculty Paper Presentations at International Conference

1. **Mr.K.Chakrapani** Asst.Prof.Of English presented a paper in an International seminar on “News papers: Living book to develop communication skills” organized by the department of Languages Garden City College Bangalore on 6th and 7th February 2015.
2. **Lt.J.D.Naidu** Asst.Prof.Of English presented a paper in an International seminar on “Transitions: Literature, Language and Culture –Post 1980 & Newspaper: Living Book to Develop Communication Skills” Organised by Garden City College, Bangalore on 6th-7th Feb 2015.
3. **Mr.N.Brahmaiah** Asst.Prof.Of English presented a paper in an International seminar on “Transitions: Literature, Language and Culture –Post 1980 & Motivation: An Elixir to Teachers in the Language Classroom” Organised by Garden City College, Bangalore on 6th-7th Feb 2015.

Faculty Participation at National Conferences / Seminars

Mr.K.Chakrapani Asst.Prof.Of English presented a paper in UGC National conference on “News papers: An innovative method to teach English in class room” Organised by the Department of English, Acharya Nagarjuna University, Guntur- 2015.

Faculty Acting as Resource Persons

1. **Dr. P.V.S. Machiraju** Professor of Engineering Chemistry acted as a Resource person in Science Awareness Program at DRL UG&PG College G.Mamidada, 2015.

Students Achievements

ECE

14A31A0496 SAI MOUNIKA C  94%

CE

14A31A0111 SANGISETTI PRAGNYA  87 %

CSE

14A31A0594 SALAGRAMA VALLI MAHITHA  89%

EEE

14A31A0222 CHITROTHU HEMANTHAKUMAR  91%

ME

14A31A0381 KARRI VENKATESH  88%

IT

14A31A1201 ANAPPINDI NAGA MANI  85%

Faculty Achievements

Under the guidance of **Dr. P.V.S. Machiraju** TWO Ph. Ds were awarded in Chemistry in 2015

1. Mrs. K. Jhansi Lakshmi was awarded with Ph. D in Chemistry by **JNTU-K, Kakinada** on 10th January 2015.

(Title of the Thesis: Physicochemical, Biochemical and Heavy Metal Characterization of Subsurface waters near Non Point Sources (NPS) for Assessment of their Potentials for End User Application)

2. Mrs. Ch.V.V. Satyavani was awarded with Ph.D in Chemistry by **Andhra University** on 16th July 2015

(Title of the Thesis: Physicochemical, Biochemical and Heavy Metal Characterization of Ground water near Point Sources for Assessment of their Potentials for Application)

MAJOR Research Projects

(Funding Agencies-UGC, MoWR & BRNS)

- **Dr. P.V.S.Machiraju** Professor of Chemistry, Department of Basic Science has been acting as **Co-Principal Investigator** for a Major Research Project sanctioned by Board of Research in Nuclear Sciences (BRNS), Bhabha Atomic Research Centre (BARC), Mumbai (**39.68 Lakhs**). *The present status of the project is Ongoing*
- A Major research project Proposal of **Dr. P.V.S.Machiraju** was approved by Indian National Committee on Ground Water Board (INCGWB), Central Ground Water Board (CGWB), Ministry of Water Resources (MoWR), New Delhi for **16.70 Lakhs**.

**Present status of the project is approved and awaiting the release of Grant*

- **Dr. P.V.S.Machiraju** Professor of Chemistry, Department of Basic Science submitted a Major Research project proposal for **Rs. 24.46 Lakhs** to Board of Research in Nuclear Sciences (BRNS), Bhabha Atomic research centre (BARC), Mumbai

**The present status of the project is Sanctioned and awaiting the release of the grant*

MINOR Research Projects

- Funding Agency- UGC-SERO, Hyderabad
- **Mr. P. Satyanarayana** Assistant Professor of Chemistry, Department of Basic Sciences was sanctioned with a Minor Research Project with a financial assistance of **Rs. 4,20,000/-** and an amount of **Rs.3,15,000/-** released towards first installment. First year Annual Progress report submitted to UGC-SERO and the same was accepted and an Amount of Rs.84, 000/- was sanctioned towards the Second Installment. 2014
- **The present status of the project is an Ongoing*

Minor Project Proposals submitted to UGC-SERO, Hyderabad

- **Mr. G.Bhaskara Rao** Assistant Professor of Physics submitted a Minor Research Project project proposal entitled “Nano Particle synthesis by Green Method and their Characterization for Mechanical , Electrical Properties with a special reference to their Antimicrobial Activities’ for a financial assistance of 4.95 Lakhs.2015
- **Mrs. P. Sravani** Assistant Professor of Environmental Studies submitted a Minor Research Project project proposal entitled “Study on Impacts of Agricultural and Aqua Cultural Activities In Selected Areas Of East Godavari Region Of Andhra Pradesh” for a financial assistance of 4.95 Lakhs.2015

- **Mrs. G. Amulyam** Assistant Professor of Chemistry submitted a Minor Research Project project proposal entitled Characterization of Organic Pollutants and Metal ions in Surface Waters near Industrial Units for Quality Evaluation in East Godavari District, A.P for a financial assistance of 4.85 Lakhs.2015

NSS ACTIVITIES

1. A Yoga Training Camp was organized by the NSS & NCC Units jointly from 15-4-2015 to 30-4-2015 in the college campus for the students and staff .
2. NSS Programme officer Mr. P Rajshekhar Phaneendra attended a 7 Day orientation/refresher course programme from 23rd Jan 2015-29th Jan 2015 at NSS TOC AU Campus VIZAG.
3. NSS volunteers were deputed to NSS Parade at JNTUK, Republic day parade function on 26th Jan 2015. 14 Volunteers attended the Programme.

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