



PRAGATI ENGINEERING COLLEGE

DEPARTMENT OF BASIC SCIENCES & HUMANITIES

SCIENCE QUEST -JANUARY TO JUNE 2016

VOLUME -9

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 JUNE 2016

S.No	Name of the Faculty	Qualification	Designation
Mathematics			
1	Sri T. Satyanarayana	M.Sc., M.Phil., (Ph.D)	Assoc. Prof.
2	Dr. M. Balaiah	M.Sc.,M.Phil., Ph.D	Assoc. Prof
3	Mr.K. Bhaskara Rao	MSc., M.Phil	Assoc. Prof.
4	Mr. P. Madhu Babu	M.Sc.	Asst. Prof.
5	Mrs. R. Sugnani	MSc., M.Phil	Assoc. Prof.
6	Mr. Ch. Satish	M.Sc.	Asst. Prof.
7	Mr. K. Rambabu	M.Sc.	Asst. Prof.
8	Mr. M.V.Raghava Reddy	M.Sc.	Assoc. Prof.
9	Mr. V.V.Durga Prasad Vanka	M.Sc.	Asst. Prof.
10	Sri B.V.V.Satyanarayana Murthy	M.Sc.	Asst. Prof.
11	Mrs. P. Sowjanya	M.Sc.	Asst. Prof.
12	Ms. S.S.Varalakshmi	M.Sc.	Asst. Prof.
13	Mr. A. Nagendra	M.Sc.	Asst. Prof.
English			
14	Mrs. M. Madhavi	M.A (Litt)	Asst. Prof.
15	Mr. J.D. Naidu	M.A (Litt), M.Phil	Asst. Prof.
16	Mr. B. Kishore Kumar	M.A (Litt)	Asst. Prof.
17	Mrs. V. Shirley Grace	M.A (Litt)	Asst. Prof.
18	Mr. N. Naresh Babu	M.A (Litt)	Asst. Prof.
19	Mr. K. Balaji	M.A (Litt)	Asst. Prof.
20	Mr. K. Chakrapani	M.A (Litt), (Ph.D)	Asst. Prof.
21	Mrs. K. Sudha Rani	M.A (Litt)	Asst. Prof.
22	Mr. D. Naga Raju	M.A (Litt)	Asst. Prof.
23	Ms. B. Sridurga	M.B.A (HRM),, M.A (Litt)	Asst. Prof.
24	Mr. N. Brahmaiah	M.A (Litt)	Asst. Prof.
25	Mr. K. Veslee	M.A (Litt)	Asst. Prof.
26	Mrs. K. Lalitha	M.A (Litt)	Asst. Prof.
27	Mrs. V. Satya Priya	M.A (Litt)	Asst. Prof.
28	Mr. G. Venkata Ratnam	M.A(Litt),, M.A(ELT) (Ph.D)	Asst. Prof.

29	Mr. P. Nooka Raju	M.A (Litt)	Asst. Prof.
30	Mr. S. Mohan Gandhi	M.A (Litt)	Asst. Prof.
31	Mr. S. Bharat	M.A (Litt)	Asst. Prof.
32	Mr. V. Sathi Raju	M.A (Litt)	Asst. Prof.
Chemistry			
33	Prof. N. Ramam	M.Sc. M.Phil	Professor
34	Dr. P.V.S. Machi Raju	M.Sc., Ph.D	Professor
35	Mr. P. Satyanarayana	M.Sc.	Asst. Prof.
36	Mrs. A. Jyotsna	M.Sc.	Asst. Prof.
37	Ms. K. Vani Sri Kishna	M.Sc.	Asst. Prof.
38	Ms. P. Sridevi	M.Sc.	Asst. Prof.
39	Ms. K. Sri Lakshmi	M.Sc.	Asst. Prof.
40	Ms. K.V. Indumathi	M.Sc.	Asst. Prof.
Physics			
41	Mr. P. Raj Shekhar Phaneendra	M.Sc	Assoc. Prof.
42	Mr. G. Ravi Prasad	M.Sc	Asst. Prof.
43	Mr. D. Ravi Kumar	M.Sc	Asst. Prof.
44	Mr. K.V.S.CH. Prasad	M.Sc	Asst. Prof.
45	Ms. P. Kiranmai	M.Sc	Asst. Prof.
46	Mr. G. Bhaskara Rao	M.Sc., (Ph.D)	Asst. Prof.
47	Mr. N. Ramkrishna	M.Sc	Asst. Prof.
Environmental Studies			
48	Dr. N. Lakshmi	M.Sc., Ph.D	Professor
49	Mrs. P. Sravani	M.Sc.	Asst. Prof.
50	Mrs. N. Prasanthi	M.Sc., (Ph.D)	Asst. Prof.
51	Mrs. S. Bhargavi	M.Sc.	Asst. Prof.
Management Science			
52	Sri. M. Satish	M.B.A	Asst. Prof.
53	Sri S. Vamsi Kiran	M.B.A,M.Phil., (Ph.D)	Assoc.Prof
54	Sri K.S.V.G.K. Murthy	M.Com (Accounts) MBA (Marketing)	Assoc.Prof
55	Ms. M. Seetha Latha	M.B.A	Asst. Prof.
56	Mr. K. Anand	MBA (finance & Marketing)	Asst. Prof.
57	Ms. K. Lakshmi Sudha	M.B.A	Asst. Prof.
58	Mr. Ch. Raj Kumar	M.B.A	Asst. Prof.
59	Ms. V. Vijaya Lakshmi	M.B.A	Asst. Prof.
Computer Faculty			
60	Mr. P. Raj Kumar	MCA	Asst. Prof.
61	Mr. T. Gopi Krishna	MCA	Asst. Prof.

II Shift

II Shift			
Mathematics			
S.No	Name of the Faculty	Qualification	Designation
1	Mr. K. Seetharam	M.Sc., (Ph.D)	Asst. Prof.
English			
2	Mr. S. Prasad	M.A (Litt)., (Ph.D)	Asst. Prof.
3	Mr. B.K. Vidya Sagar	M.A (Litt)., M.Phil	Asst. Prof.
Chemistry			
4	Mrs. R. Amulyam	M.Sc., (Ph.D)	Asst. Prof.
Physics			
5	Ms. V. Naga Lakshmi	M.Sc.	Asst. Prof.
Management Science			
6	Mr. B. Rajesh Kumar	M.B.A., (Ph.D)	Asst. Prof.

Faculty Publications in National/International Journals

- 1) **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), 2016. (Impact Factor – 1.638)
- 2) Ch.V.V.Satyavani, **Dr.P.V.S.Machiraju** and B.Venkateswara Rao Professor of Engineering Chemistry, published a paper on, “**A Study on Hydro Geochemistry of Ground Water near Mining Activity Area by using Multivariate Factor Analysis**”, in International Journal of Advanced Research in Chemical Science(IJARCS),Vol.3, Issue-1, January 2016, (ISSN: 2349-0403), (Impact Factor :2.068), PP:34-38.
- 3) **J.D.Naidu**, and **K.Chakrapani**, Asst. Professors of English, published a Paper in an International Journal English Language and Literature (JOELL)

on “**The use of Multimedia in the Classroom for effective English Teaching**” Vol-3, Issue-1, 2016, ISSN: 23499753, 2016.

- 4) **K.Vidyasagar, B.Sridurga and V.Shirley Grace**, Asst. Professors of English, published a paper on “**Remembering the Excellence of Gerard Manley Hopkins : A Brief Analysis of Wreck of Deutschland**” in the Journal of Advances and Scholarly Researches in Allied Education (JASRAE) , Vol –X, Issue No –XX, October 2015, (ISSN: 2230-7540), PP:1-3.
- 5) **S.Prasad**, Asst. Professor of English, Published a Paper on “**Learning vocabulary for Undergraduate Engineers through News Paper**” in an International Journal of English Language and Literature (JOELL),Vol-3,Spl,Issue 2 ,2016.
- 6) **G.Venkata Ratnam** and **B.Kishore Kumar**, Asst. Professors of English, Published a Paper on “**Addressing Difficulties among Professional Students in the learning of English Communication skills**” in Journal of English Language and Literature, Vol.3, Spl. Issue 2, 2016, ISSN No.2349-9753.
- 7) **K.Chakrapani** and **B.K.Vidya Sagar**, Asst. Professors of English, Published a Paper on ‘**English for specific purposes: Learning through Centered approach**’ in Journal of English Language and Literature, Vol.3, Spl. Issue 2, 2016, ISSN No.2349-9753.
- 8) **B.Sri Durga** and **V.Grace Shirley**, Asst. Professor of English, Published a Paper on “**A Saga of Kamala Das and Shobha De’s Autobiographies**” in

the book of Indian Literature and Culture, ISBN: 6894-5348
Published by K.L.University.

- 9) **K.Chakrapani**, Asst. Professor of English, Published a Paper on “**Amitav Ghosh’s Sea of poppies: A Feminist perspective**” page No-59, ISSN: 978-93-82186-82-3 published by K.L.University.
- 10) **B.K.Vidyasagar** and **G.Venkata Ratnam**, Asst. Professors of English on “**The Rise of Romanticism: “A Passing Glance of its Prominence in the Genre of English Poetry”** in Journal of Advances and Scholarly Researches in Allied Education, Vol.XI, Issue No- XXI, April 2016, ISSN No: 2230-7540.
- 11) **S.Prasad** and **K.Balaji**, published a paper on “**Teaching of Human Values through Literature**” in an International Journal of English Language and Literature (JOELL), Vol-3, Spl Issue -2, 2016.
- 12) **J.D.Naidu** and **N.Brahmaiah**, Asst. Professor of English, published a paper on “**Barriers to Effective Communication**”, in the Journal of English Language and Literature(JOELL), Vol-3, Issue-2, 2016, (ISSN: 2349-9753), PP,114-115.
- 13) Boni Anil Kumar, Praveen Majhi and **Pericherla Sravani** published a paper on “**Study of Noise Levels Across Different zones of Vishakapatnam influenced by traffic density**”, International journals of scientific research volume - 5, Issue -5 /May 2016 (ISSN: 2277-8179) (**Impact Factor - 3.508**), (IC value 69.48), PP:12-14.

FACULTY PARTICIPATION AT NATIONAL CONFERENCES / SEMINARS

- 1) **M.Madhavi, V. Grace Shirley, N.Brahmiah**, Asst. Professors of English, attended “A Five day Workshop on English Language Teaching” At JNTUK, Vizayanagaram from 12th to 16th, February, 2016.
- 2) **K.Chakrapani** and **J.D.Naidu**, presented a paper on ‘**The use of Multimedia in the Classroom for effective English Teaching**’, in the National Conference held at Layola Engineering College, Vijayawada and published in the Journal of English Language and Literature(JOELL) on Vol-3,Issue-1,2016,(ISSN:23499753), PP,89-92.
- 3) **Mr.J.D.Naidu** and **N.Brahmaiah** presented a paper on “**Barriers to Effective Communication**”, in National Conference held at Prasad V.Potluri Siddhartha Institute of Technology and published in the Journal of English Language and Literature(JOELL), Vol-3, Issue-2, 2016, (ISSN: 2349-9753), PP,114-115.
- 4) **S.Prasad** Asst. Professor of English, Presented a paper on “**Learning Vocabulary for Undergraduate Engineers through Newspaper**” ’ in the national conference held at Layola Engineering College vijayawada and published in the journal of English Language and Literature (JOELL) ,Vol-3,Spl,Issue 2 ,2016, (ISSN:2349-9753), PP,164-166.
- 5) **G Venkata Ratnam**, Asst. Professor of English, presented a Paper on “**Ambedkar as a Social Zealot**” in the National Seminar sponsored by Dr.Ambedkar Foundation, Government of India, Ministry of Social Justice and Empowerment, New Delhi on “Dr.B.R.Ambedkar and the Making of

Modern India” held during 19th and 20th March 2016 at Acharya Nagarjuna University, Guntur.

- 6) **S.Prasad and K.Balaji** Asst. professors of English, presented a paper on “**Teaching of Human Values through Literature**”, in the National Conference held at Prasad V.Potluri Siddhartha Institute of Technology and published in Journal of English Language and Literature (JOELL) , Vol-3,Spl,Issue 2 ,2016,(ISSN:23499753), PP,85-87.
- 7) **G,Venkata Ratnam and J.D.Naidu**, Asst. Professors of English, Presented a Paper on “**Epistolary Autobiographies in Pre-Independence period**” in “A Three Day National Literary Conference and Festival” at K.L.University, March 2016.
- 8) **K.Chakrapani** Asst. Professor of English Presented a Paper on “**Amitav Ghosh’s Sea of poppies: A Feminist perspective**” in A Three Day National Literary Conference and Festival” at K.L.University, March 2016.
- 9) **B.Sri Durga and V.Grace Shirley**. Asst.Professor of English Presented a Paper on “ **Indian Women Autobiographies ” A Saga of Kamala Das and Shobha De’s Autobiographies**” , in “A Three Day National Literary Conference and Festival” at K.L.University, Vijayawada..
- 10) **G.Venkata Ratnam and B.Kishore Kumar**, Asst. Professor of English Presented a Paper on **Addressing Difficulties Among Professional Students in the learning of English Communication skills** in the National Conference held at Prasad V.Potluri Siddhartha Institute of Technology, Guntur and published in Journal of English Language and Literature (JOELL), Vol-3,Spl,Issue 2 ,2016,(ISSN:23499753), PP,85-87.

- 11) **J.D.Naidu**, Asst. Professors of English, Presented a paper on “**The historical and Cultural Differences in ‘The Good Earth’ by Pearl S Buck**” In an International Conference on Pluralism and Multiculturalism in Teaching and Research of English Language and Literatures at VIT University, Vellore, April, 2016.
- 12) **G.Venkata Ratnam** and **B.K.Vidyasagar**, Asst. Professors of English presented a paper on “**Addressing Difficulties in the Learning Pronunciation of English Language especially from Telugu Medium Students**” in an International Conference on Pluralism and Multiculturalism in Teaching and Research of English Language and Literatures at VIT University, Vellore, April,2016.
- 13) **S.Prasad** Asst. Professor of English Presented a paper on “ **Difficulties of Telugu Medium Students Professional colleges with regarding English as an assessment**” in an International Conference on Pluralism and Multiculturalism in Teaching and Research of English Language and Literatures at VIT University, Vellore, April,2016.
- 14) **J.D.Naidu**, Asst. Professor of English, Presented a paper on “**English Communication Skills : The Tool for learning and Teaching in Teacher Education**”in a ICSSR Sponsored Two Day National Seminar on “Quality Education through Two-Year B.Ed New Curriculum” at Adikavi Nannaya University, Rajamahendravarm, held on June 28th and 29th, 2016.
- 15) **G.Venkata Ratnam** and **B. K. Vidyasagar**, Asst. Professor of English Presented a paper on “**Dyslexia- Its Nature and Implications : A Barrier to the Teacher in a Class Room Teaching**” in a ICSSR Sponsored Two Day

National Seminar on “Quality Education through Two-Year B.Ed New Curriculum” at Adikavi Nannaya University, Rajamahendravarm, held on June 28th and 29th, 2016.

- 16) **S.Prasad**, Asst. Professor of English, Presented a Paper “**The Role of ICT in Present scenario enhancing Teaching and Learning Process in Education**” in ICSSR Sponsored Two Day National Seminar on “Quality Education through Two-Year B.Ed New Curriculum” at Adikavi Nannaya University, Rajamahendravarm, held on June 28th and 29th, 2016.
- 17) **G.Venkata Ratnam and B.K.Vidyasagar**, Asst. Professors of English presented a paper on “**Addressing Difficulties in the Learning Pronunciation of English Language, especially from Telugu Medium Students**” in 11th International and 47th National ELTAI Conference held from June 30th to 2nd July, Organized by Vasavi College of Engineering (Autonomous) on Content- Based Instruction and Learning Curriculum.
- 18) **J.D.Naidu and K.Balaji**, Asst. Professors of English presented a paper on “**LSRW a Unique Approach for Learning Content**” in 11th International and 47th National ELTAI Conference held from June 30th to 2nd July, Organized by Vasavi College of Engineering (Autonomous) on Content- Based Instruction and Learning Curriculum.
- 19) **S.Prasad**, Asst. Professors of English presented a paper on “ **The Role of ICT in Present Scenario Enhancing Teaching and Learning Process in English Language Teaching**” in 11th International and 47th National ELTAI Conference held from June 30th to 2nd July, Organized by Vasavi College of

Engineering (Autonomous) on Content- Based Instruction and Learning Curriculum.

DEPARTMENT ACTIVITIES

Department of Basic Sciences and Humanities Conducted a Two Day Counseling session for Students of 1st B. Tech on 17th and 18th, March, 2016 in the college campus. Sri.G.V.V.Satya Murthy, Psychologist, counseled the students to develop their Personality Traits.





FACULTY DEVELOPMENT PROGRAMMES

Department of Basic Sciences with Association of R&D Division conducted Faculty Development programme on “**Significance of Interdisciplinary Research in Basic Sciences**” in the college on 19th and 20th March, 2016.





“A Two Day Faculty Development Programme was conducted by Department of English on **“The New Paradigm in English Language Teaching: A Blended Approach in the Present Global Context”** held on 2nd and 3rd April, 2016. Prof. K.S.Ramesh, Registrar and Principal, College of Arts and Commerce, Adikavi Nannaya University delivered the inaugural Speech.





Department of Basic Sciences and Humanities celebrated **“World Environment Day** on 5th June in the college premises. Dr.P.Krishnarao, Chairman of the college graced the occasion and Asst. Professors of Environment Science presented their PPT’s





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