



PRAGATI ENGINEERING COLLEGE

DEPARTMENT OF BASIC SCIENCES & HUMANITIES

SCIENCE QUEST -JULY TO DECEMBER 2016

VOLUME -10

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	Dr. M. Balaiah	M.Sc.,M.Phil., Ph.D	Assoc. Prof. HOD
2	Sri T. Satyanarayana	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.
33	Mr.K.Siva Shankar	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

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),M.A(ELT). , B.ED (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 International Journals

- 1) Mr. P.Satyanarayana** and **Dr PVS Machiraju** published a paper on “**Evaluation of ground water quality in rural habitations near agricultural activity by physicochemical characterization to assess their potentials for application**” dated 8-8-2016 in Journal of Chemical and Pharmaceutical Research, 2016, 8(8):185-194, ISSN: 0975-7384.
- 2) Mr.G.Venkata Ratnam** presented and published a paper on “**A critical evaluation of Epistles as literary genre in indo-anglian**”



prose literature” in the international conference held at VIT university, Vellore ,Tamilnadu on 12& 13 August 2016.ISBN No. 978-93-86176-18-9,PP 212-215.

- 3) **Mr. S.Prasad** presented and published a paper on “**Addressing difficulties of Learning English language for communication purpose especially in professional colleges”** in the international conference held at VIT university, Vellore, Tamilnadu on 12& 13 August 2016.ISBN No. 978-93-86176-18-9,PP 212-215.
- 4) **Mr. P.Satyanarayana & Dr PVS Machiraju** published a paper on “**Characterization of ground waters for metalions, pesticide residues and microbial content in selected agro based rural habitations in East Godavari region for quality evaluation”** in INTERNATIONAL JOURNAL OF BIOASSAYS, an online journal dated 1st September 2016, ISSN: 2278-778X
- 5) **Mr. J.D.Naidu** presented and published a paper on “**Dyslexia: Its nature and Implication, a barrier to the teacher in classroom Teaching** on 28th -29th July 2016 at **Adikavi Nanayya University, Rajamahendravaram**. ISBN No. 979-81-93/4897-4-2016
- 6) **Mr. G.Venkata Ratnam** and **B.K.Vidya Sagar** presented and published a paper on “**Dyslexia: Its nature and Implication, a barrier to the teacher in classroom Teaching** on 28th -29th July 2016 at **Adikavi Nanayya University, Rajamahendravaram**. ISBN No. 979-81-93/4897-4-2016



7) **Mr. S.Prasad** presented and published a paper on “**The Role of ICT in Enhancing Teaching and Learning Process in Education**” on 28th -29th July 2016 at **Adikavi Nanayya University**, Rajamahendravaram. ISBN No. 979-81-93/4897-4-2016

Faculty Participation at National Conferences / Seminars

- 1) **Mr. G. Venkata Ratnam** Asst. Prof. of English presented a paper on “The role of ICT in Enhancing teaching and Learning in English language teaching” in 11th international & 47th National ELT@I conference organized by Vasavi College of Engineering, Hyderabad held on 30th June-2nd July 2016.
- 2) **Mr. B.K.Vidya Sagar**, Asst. Prof. of English presented a paper on “The role of ICT in Enhancing teaching and Learning in English language teaching” in 11th international & 47th National ELT@I conference organized by Vasavi College of Engineering, Hyderabad held on 30th June-2nd July 2016.
- 3) **Mr S.Prasad** Asst. Prof. of English presented a paper on “The role of ICT in Enhancing teaching and Learning in English language teaching” in 11th international & 47th National ELT@I conference organized by Vasavi College of Engineering, Hyderabad held on 30th June-2nd July 2016.



- 4) **Mr. S Prasad** attended a workshop on “New Directions in Language & Literary research” organized by Department of English, VIT University Tamil Nadu during 12th -13th August 2016.
- 5) **Mr. G. Venkata Ratnam** Asst. Prof. of English has participated in a three day National Seminar on “**Pedagogy of literature in English or English Literature in Indian Class Room Context**” held at Dravidian University, Kuppam from 28th to 30th August 2016.
- 6) **Mr.S.Prasad**, Assistant Prof. of English has participated in a three day National Seminar on “**Pedagogy of literature in English or English Literature in Indian Class Room Context**” held at Dravidian University, Kuppam from 28th to 30th August 2016.
- 7) **Mr.T.Satyanarayana**, Assoc. Prof. of Mathematics participated in a two day UGC Sponsored National Seminar on “**Recent Trends and Applications in Mathematics and Statistics**” held at Pithapur Rajah’s Government College (A), Kakinada from 28th to 29th September 2016.
- 8) **Dr.M.Balaiah**, Assoc. Prof. of Mathematics participated in a two day UGC Sponsored National Seminar on “**Recent Trends and Applications in Mathematics and Statistics**” held at Pithapur Rajah’s Government College (A), Kakinada from 28th to 29th September 2016.
- 9) **Mr.P.Madhu Babu**, Asst. Prof. of Mathematics participated in a two day UGC Sponsored National Seminar on “**Recent Trends and Applications in Mathematics and Statistics**” held at Pithapur



Rajah's Government College (A), Kakinada from 28th to 29th September 2016.

10) **Mr.K.Seetharam** Asst. Prof. of Mathematics participated in a two day UGC Sponsored National Seminar on “**Recent Trends and Applications in Mathematics and Statistics**” held at Pithapur Rajah's Government College (A), Kakinada from 28th to 29th September 2016.

11) **Mr.M.V.Raghava Reddy** Assoc. Prof. of Mathematics participated in a two day UGC Sponsored National Seminar on “**Recent Trends and Applications in Mathematics and Statistics**” held at Pithapur Rajah's Government College (A), Kakinada from 28th to 29th September 2016.

12) **Mr. A Nagendra** Asst. Prof. of Mathematics participated in a two day UGC Sponsored National Seminar on “**Recent Trends and Applications in Mathematics and Statistics**” held at Pithapur Rajah's Government College (A), Kakinada from 28th to 29th September 2016.

13) **Mr. S. Prasad**, Asst Prof of English has participated in a three day National Seminar on “**Pedagogy of literature in English or English Literature in Indian Class Room Context**” held at Dravidian University, Kuppam from 28th to 30th August 2016.



Achievements of Students

- ❖ On the Occasion of Birth Anniversary of Bharat Ratna Dr.A.P.J.Abdul Kalam on 15/10/2016, a series of events were planned by JNTUK in educational Institutions. In this connection Pragati Engineering College conducted the events like Essay Writing, Elocution on 13-10-2016. The details of prize winners are

Names of winners in Essay Writing:

1. 16A31A0524 P.L.Kiranmai (I CSE)
2. 16A31A0550 N.N.R.S.S.L.Tarun (I CSE)
3. 16A31A1213 D.Naga Pratyusha (I IT)

Names of winners in Elocution:

1. 16A31A0418 S.Sri Lakshmi Prasanna (I ECE)
2. 16A31A0371 D.H.V.Krishna (I ME)
3. 16A31A0456 S.Sai Yogesh (I ECE)

- ❖ Government of Andhra Pradesh with the collaboration of J.N.T.University, Kakinada conducted Cultural Competitions on the occasion of **KRISHNA PUSHKARAMS-2016, 20th & 21st August**. The details of prize winners are



Name of the Student	Class	Event	Position
K.Veeralakshmi	I ME-B	Essay writing Telugu	II
G.V.V.S.S.Mani Madhuri	I CSE	Singing	III
M.Sunayana Raj	I IT	Logo Designing	III
D.Naga Pratyusha	I IT	Essay writing Telugu	III
Ashish Kumar	I ME	Poetry in English	III
M.Sunayana Raj	I IT	Drawing	III
G.Amaranath	I ME	Slogan writing in Telugu	III

Department Activities

- A Seminar on “**Protection of Ozone Layer to save life on Earth**” was organized by Dept of Environmental Science & NSS Unit on Occasion of **World Ozone Day** Celebrations on 16th Sep. 2016.
- A seminar on “**Time Management**” was organized for the I B.Tech Students in association with ISKCON Kakinada Branch in the College. Mr. Anantha Sesa Das, President Kakinada Branch was the resource person.



NATIONAL UNITY DAY

“**National Unity Day**” was organized in the college premises on 31st October 2016, being the Birth Anniversary of **Sardar Vallabhai Patel** by NSS and NCC Cadets. They conducted ‘March past’ to spread the awareness of “**RASHTRIYA EKATA DIVAS**” (National Unity Day)



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

