



# PRAGATI ENGINEERING COLLEGE

DEPARTMENT OF BASIC SCIENCES & HUMANITIES

SCIENCE QUEST -JULY TO DECEMBER 2017

VOLUME -12

## 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 2017

	Name of the Faculty	Qualification	Designation
1	Dr.T.Satyanarayana	M.Sc., M.Phil., Ph.D	Assoc. Prof.
2	Dr. M. Balaiah	M.Sc.,M.Phil., Ph.D	Assoc. Prof &HOD
3	Mr. P. Madhu Babu	M.Sc.	Asst. Prof.
4	Mrs. R. Sugnani	MSc., M.Phil	Assoc. Prof.
5	Mr.Ch.Satish	M.Sc.	Asst. Prof.
6	Mr. M.V.Raghava Reddy	M.Sc.	Assoc. Prof.
7	Mr.Ramana Murty Muddada	M.Sc., (Ph.D)	Asst. Prof.
8	Ms.S.S.Varalakshmi	M.Sc.	Asst. Prof.
9	Mr.P.Prasad Babu	M.Sc.	Asst. Prof.
10	Mr.Krishna Prasanth Avasarala	M.Sc.	Visiting Faculty
11	Mrs.D.Padmaja	M.A (Litt)	Assoc. Prof
12	Mrs. M. Madhavi	M.A (Litt)	Asst. Prof.
13	Mr. J.D. Naidu	M.A (Litt), M.Phil	Asst. Prof.
14	Mr. B. Kishore Kumar	M.A (Litt)	Asst. Prof.
15	Mrs. V. Shirley Grace	M.A (Litt)	Asst. Prof.
16	Mr. K. Balaji	M.A (Litt)	Asst. Prof.
17	Mr. K. Chakrapani	M.A (Litt), (Ph.D)	Asst. Prof.
18	Mr. G. Venkata Ratnam	M.A(Litt), M.A (ELT) (Ph.D)	Asst. Prof.
19	Mrs.S.Chandrakala	M.A (Litt)	Asst. Prof.
20	Mr.Srinivasa Rao Valavala	M.A. (Ph.D)	Visiting Faculty
21	Dr. G. Suvarna Lakshmi	M.A. Ph.D	Visiting Faculty
22	Prof. N. Ramam	M.Sc. M.Phil	Professor
23	Dr. P.V.S. Machi Raju	M.Sc., Ph.D	Professor
24	Mr. P. Satyanarayana	M.Sc.	Asst. Prof.
25	Mrs. A. Jyotsna	M.Sc.	Asst. Prof.
26	Ms. K. Vani Sri Krishna	M.Sc.	Asst. Prof.
27	Ms.P.Revathi	M.Sc.	Asst. Prof.
28	Dr.M.Raja Ravindra Prasad	M.Sc., Ph.D	Visiting Faculty
29	Dr.M.Venkateswara Rao	M.Sc., Ph.D	Visiting Faculty
30	Sri.Vyankatesh D.Apte	M.Sc., Ph.D	Visiting Faculty
31	Mr. P. Raj Shekhar Phaneendra	M.Sc	Assoc. Prof.
32	Ms. P. Kiranmai	M.Sc	Asst. Prof.
33	Mr. G. Bhaskara Rao	M.Sc., (Ph.D)	Asst. Prof.
34	Mr. N. Ramkrishna	M.Sc	Asst. Prof.
35	Mr.K.Rajendra Prasad	B.Tech (CSE)	Visiting Faculty

36	Mrs. P. Sravani	M.Sc.	Asst. Prof.
37	Mrs. N. Prasanthi	M.Sc., (Ph.D)	Asst. Prof.
38	Dr.Nishtala Krishna Prakasam	M.Sc., Ph.D	Visiting Faculty
39	Dr.N.V.Rao	M.Sc Ph.D	Visiting Faculty
40	Sri S. Vamsi Kiran	M.B.A,M.Phil.,(Ph.D)	Assoc.Prof
41	Sri K.S.V.G.K. Murthy	M.Com (Accounts) MBA (Marketing)	Assoc.Prof
42	Mr. K. Anand	MBA (Finance & Marketing)	Asst. Prof.
43	Ms. M. Seetha Latha	M.B.A	Asst. Prof.
44	Mr.P.Nagendra Rao	M.B.A	Asst. Prof.
45	Mr.G.Prasanna Kumar	M.B.A	Asst. Prof.
46	Ms.N.Manohari Devi	B.Tech, M.B.A	
47	Mr. P. Raja Kumar	MCA	Asst. Prof.
48	Mr K.Srikanth	B.Tech	Asst. Prof.
49	Ms.K.Sireesha	MCA	Asst. Prof.
50	Mrs.N.V.S.Sowjanya	M.Tech	Asst. Prof.
51	Ms.T.Naga Venkata Durga	B.Tech	Asst. Prof.
52	Ms.GSVV Usha Ramadevi	B.Tech	Asst. Prof.
53	Mrs.S.Rajani (Long Leave)	B.Tech	Asst. Prof.
54	Mrs.V.Ramya (Maternity leave)	B.Tech	Asst. Prof.
55	Mr.K.T.K.Mohan	B.Tech (M.Tech)	Asst. Prof.
56	Mr.R.Rajesh Kumar	B.Tech	Asst. Prof.
57	Mr.K.Siva Prasad	M.Com; M.L.I.C, PGDLAN	Librarian
58	Mr.P.Surya Prakash Rao	B.Com ; M.L.I.C	Library Assistant
59	Mrs.V.S.M.Sridevi	M.A; M.L.I.C, PGDLAN	Library Assistant
60	Mr.B.Adinarayana	B.A., B.P.Ed., M.P.Ed	Asst. Prof.
61	Mrs.Lakshmi Devi Karri	B.Com., B.P.Ed., M.P.Ed, M.Com., M.B.A	Asst. Prof.

### II Shift

S.No	Name of the Faculty	Qualification	Designation
1	Mr. K. Seetharam	M.Sc., (Ph.D)	Asst. Prof.
2	Mr. A. Nagendra	M.Sc.	Asst. Prof.
3	Mr. S. Prasad	M.A (Litt),M.A(ELT),B.Ed, (Ph.D)	Asst. Prof.
4	Mr.K.Siva Sankar	M.A (Litt)	Asst. Prof.
5	Mrs. R. Amulyam	M.Sc., (Ph.D)	Asst. Prof.
6	Mrs. S. Bhargavi	M.Sc.	Asst. Prof.
7	Ms. V. Naga Lakshmi	M.Sc.	Asst. Prof.
8	Mr. B. Rajesh Kumar	M.B.A., (Ph.D)	Asst. Prof.

## Faculty Publications in National/International Journals

- 1) **MOTHUKURIBALAI AH**, Naveen Kumar Kakumanu, On Minimal Prime filters of Almost Distributive Lattices, Global Journal of Pure and Applied Mathematics. ISSN 0973-1768 Volume 13, Number 10 (2017), pp. 7153–7161.
- 2) **T.SATYANARANA**, K.L.Sai Prasad, B.Satyanaranaya published a paper “on a class of Para Kenmotsu Manifolds” in the International Journal of Pure and Applied Mathematics”, Volume 115, No.4 ISSN - 1314-3395, August 8 2017, PP-827-834.

## FACULTY PARTICIPATION AT NATIONAL CONFERENCES / SEMINARS

- 1) **Mrs. A.JYOTSNA** , **Mrs. R.AMULYAM**, Asst. Professors of Chemistry, presented a paper on “Non Toxic and Medical Applications of Ferrofluid” in 10<sup>th</sup> International Conference on Recent Trends in Engineering Science and Management held on 12<sup>th</sup>-13<sup>th</sup> August 2017 at Newton’s Institute of Science & Technology Guntur Dist Andhra Pradesh India.
- 2) **Mrs. R.AMULYAM**, **Mrs. A.JYOTSNA**, Asst. Professors of Chemistry presented a paper on “The Significant and Medical Applications of

Graphene Nanoparticles” in 10<sup>th</sup> International Conference on Recent Trends in Engineering Science and Management held on 12<sup>th</sup>-13<sup>th</sup> August 2017 at Newton’s Institute of Science & Technology Guntur Dist Andhra Pradesh India.

- 3) **Mr.P.SATYANARAYANA** participated in three Day **National Conference** on Innovative Perspectives of Chemistry in Environment, Pharmacy and Technology (CEPT-2017) was organized by Dept. of Chemistry during 6th-8th October-2017
- 4) **Mrs. A.JYOTSNA** participated in three Day **National Conference** on Innovative Perspectives of Chemistry in Environment, Pharmacy and Technology (CEPT-2017) was organized by Dept. of Chemistry during 6th-8th October-2017
- 5) **Mrs. R.AMULYAM**, participated in three Day **National Conference** on Innovative Perspectives of Chemistry in Environment, Pharmacy and Technology (CEPT-2017) was organized by Dept. of Chemistry during 6th-8th October-2017
- 6) **Mrs. K. VANI SRIKRISHNA** participated in three Day **National Conference** on Innovative Perspectives of Chemistry in Environment, Pharmacy and Technology (CEPT-2017) was organized by Dept. of Chemistry during 6th-8th October-2017

- 7) **Mrs.S.BHARGAVI** participated in three Day **National Conference** on Innovative Perspectives of Chemistry in Environment, Pharmacy and Technology (CEPT-2017) was organized by Dept. of Chemistry during 6th-8th October-2017
- 8) **Mrs.N.PRASANTHI** participated in three Day **National Conference** on Innovative Perspectives of Chemistry in Environment, Pharmacy and Technology (CEPT-2017) was organized by Dept. of Chemistry during 6th-8th October-2017
- 9) **Mrs.P.SRAVANI** participated in three Day **National Conference** on Innovative Perspectives of Chemistry in Environment, Pharmacy and Technology (CEPT-2017) was organized by Dept. of Chemistry during 6th-8th October-2017

#### FACULTY PARTICIPATION AT NATIONAL WORKSHOPS

- **MOTHUKURI BALAIAH**, attended AICTE SPONSORED two week STC/ WORKSHOP ON FIXED POINT THEORY AND DYNAMICAL SYSTEMS, organized by department of mathematical sciences IIT (BHU) at Varanasi from 20<sup>th</sup> to 30<sup>th</sup> Nov17.

- **Dr. T. SATYANARAYANA** and **Mr. P. MADHUBABU** attended a one day UGC Sponsored capacity building workshop for teachers on Research publication – importance of journal metrics at PR Govt. College, Kakinada on 18-11-17.
- **Mrs.M.MADHAVI, Mrs.D.PADMAJA, Mr.K.CHAKRAPANI, Mr.J.D.NAIDU, Mr.G.VENKATARATNAM, Mr.S.PRASAD, Mr.K.BALAJI, Mr.K.SIVASANKAR, Mr.B.KISHORE KUMAR, Mrs.V.S.GRACE, Mrs.K.CHANDRAKALA** Asst. professors of English attended a five day workshop on “Innovation in Teaching English from 6<sup>th</sup> to 10<sup>th</sup> December,2017 at Pragati Engineering College, Surampalem.

#### NPTEL CERTIFICATION

- **Dr. M. BALAIAH**, Associate Prof. of Mathematics received **ELITE** Certificate in the course **Introduction to R Software** from NPTEL Online certification courses.
- **Mr. K CHAKRAPANI** Asst. Professor of English received **ELITE** certificates in the course **Soft Skills and Personality Development** from NPTEL Online certification courses.
- **Mrs. D PADMAJA** Associate Prof. of English received **ELITE** certificates in the course **Soft Skills and Personality Development** from NPTEL Online certification courses.

## DEPARTMENT ACIEVEMENTS

- **Mr.T.SATYANARAYANA**, Associate Professor of Mathematics has conferred with Ph.D. degree from JNTUK in 6<sup>th</sup> convocation for his Ph.D. thesis entitled “A study of Curvature tensors on a Class of Para Contact Riemannian Manifolds” in June 2017.
- **Mr. P. MADHUBABU**, Asst. Prof of Mathematics Asst. Prof of Mathematics qualified AP SET -2017
- **Mr. A. NAGENDRA**, Asst. Prof of Mathematics Asst. Prof of Mathematics qualified AP SET -2017

## DEPARTMENT ACTIVITIES

❖ The three day National Conference on “Innovative Perspectives of Chemistry in Environment, Pharmacy And Technology (CEPT 2017) and National Convention For Chemistry Teachers (NCCT 2017) organized in Pragati Engineering College from 6<sup>th</sup> to 8<sup>th</sup> October,2017. Dr. P. V. S. Machi Raju, Professor of Chemistry served as Convener. Dr. P. Krishna Rao, Chairman expressed his happiness over the successful completion of the programme and said the college always looks forward to organize such events for the benefit of the students and faculty for encouraging Research outlook and Research and Development activities. Dr. V. Ravindra Professor, JNTUK graced the occasion as a Chief Guest.





❖ A five day workshop on “Innovation in Teaching in English” organized by the Department of English from 6<sup>th</sup> to 10<sup>th</sup> December,2017 at Pragati Engineering College.Prof K.VENKAT REDDY and Dr. S.SUVARNA LAKSHMI, Professors of English, EFLU,Hyderabad served as resource persons. Dr.P.Krishna Rao Chairman graced the occasion.



❖ On the occasion of “Chemistry day” following events were organized in our college. The details of winners are

<b>Essay writing winners:</b>	<b>Elocution Winners:</b>
N.Sirisha( I ECE)	SathiMukesh Krishna Reddy (I ECE)
D. S.S. Praneela (I ECE)	Duvva Sai Priyanka (I ECE)
E.Amrutha Sai ( I IT)	Mandapalli Sam Moses Sastry (I EEE)

❖ On the occasion of “Engineer’s day “following events were organized in our college the details of winners are.

Poster Presentation	Elocution Winners
1. N.Srinivas (I ME )	1. Segu Venkata Sri Santhi( I CSE)
2. V.Pavan Kumar (I ME )	2. Barla S. N. Malleswari( I CSE)
3. K.Rajeshkumar (I ME )	3. TadalaVenkataTarun( I CSE)
4. N. V.Varshit Goud (I ME )	4. K.V. VenkataHemalatha( I CSE)
5. SathiMukesh K. Reddy (I ECE )	5. M. Sam Moses Sastry (I EEE)
6. D Sai Abishek (I ECE)	6. Sai VathsavJonlagadda (I EEE)
7. Aishwarya Roy ( I ME )	7. Mutya Sai Srikari (I EEE)
8. KandulaAnjana (I ME )	8. NallamilliSushmareddy (I EEE)
9. V.SaiSampthkumar (I ME )	9. AnnamrajuJagan Mohan (I EEE)
10. D.Ramyasudha (I ME )	10. SavalamTulasi Dora ( I ECE)
11. U. V.S. Anjali (I CE)	11. Nadikatla Manju Sree( I ECE)
12. SangisetiAdidyuti (I CE)	12. Akanksha Mishra ( I ECE)
13. SamparaIssacChandan (I CE)	13. ChNirchithaChowdary( I ECE)
14. K. Sai Chandrahas (I ECE)	14. D.Sandhya( I ECE)
15. D.DeviPriya( I ECE)	15. P. Devi Priya( I ECE)
16. 16.KattaRachanMayee ( I ECE)	16. Chandragiri Monisha (I CE)
17. Badam Asha Chandini( I ECE)	17. YedlaCharanTeja (I CE)
18. Sayed Anisha Afrin ( I ECE)	18. KurmaSrikar (I CE)
19. Vadapalli Ganesh Babu( I ECE)	19. BobbaradaPavaniSwetha (I CE)
20. KattaReshma( I ECE)	20. G.Venkatsandeep (I ME)
21. PalakurthiAchutaBapiraju( I ECE)	21. M.Akhilyavaraj (I ME)
22. P.S. VidhyaMounika( I ECE)	
23. 23.Kasireddy S. Manikanta( I ECE)	
24. 24.KantipudiJyothirmai( I CSE)	
25. AfreenJaha( I CSE)	

❖ On the occasion of “World Ozone Day “on 16<sup>th</sup> September 2017, Elocution competition was organized. The details of winners are

Elocution Winners	Poster Presentation
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SathiMukesh Krishna Reddy ( I ECE)  
Ragu Satya Ananta PriyaChandini ( I ME)  
Nikhil( I ECE)

D. Sri SantoshaPraneela( I ECE)  
Reddy Achyuta Sri Sai ( I ME)  
M.Vijayalakshmi ( I EEE)

❖ On the occasion of “Environment day” Elocution competition was organized. The details of winners

Elocution
G.Nikhil( I IT)
D.VineethVenkatesh( I IT)

❖ NSS Unit of the college on the occasion of Constitution Day 26<sup>th</sup> Nov 2017 organized a small programme order to create awareness on the Indian Constitution and its Preamble to the students. Student volunteers participated in Mass Recitation of Preamble of the Indian Constitution in order to reiterate the importance of our constitution.



❖ NSS unit of Pragati Engineering College Organized a Voluntary Blood Donation Camp on 29-9-2015 in association with Durga Somu Prasad Charitable Trust Kakinada. The Blood Camp was organized under the supervision of Government General Hospital Medical Team. Dr.P.Krishna Rao, Chairman of the college was the Chief Guest of the programme. Sri Somu Prasad Chairman of Durga Somu Prasad Charitable Trust and Medical Officer Dr. Suguna GGH Blood Bank Kakinada were at the programme.



❖ On 28<sup>th</sup> November, 2017 Pragati College organized awareness programme on “YOGA and MEDITATION”. Dr.Pankaj Jain and Dr.Sukoj Expert in Smile Meditation served as resource persons. Dr. P.Krishna Rao, Chairman graced the occasion.



## EDITORIAL BOARD

1. Dr. M. BALAIAH -Assoc. Prof.& HOD-BS&H
2. Dr.T.SATYANARAYANA - Assoc. Professor
3. Lt. J. D. NAIDU - Asst. Prof. of English
4. Mr. G.VENKATARATNAM -Asst. Prof. of English