



PRAGATI ENGINEERING COLLEGE

DEPARTMENT OF BASIC SCIENCES & HUMANITIES

SCIENCE QUEST -JANUARY TO JUNE 2019

VOLUME -15

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 2019

S.No	Name of the Faculty	Qualification	Designation
Department of Mathematics			
1	Dr. M. Balaiah	M.Sc., M.Phil., Ph.D	HOD & Assoc. Prof.
2	Dr.T.Satyanarayana	M.Sc.,M.Phil., Ph.D	Assoc. Prof
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. A. Nagendra	M.Sc.	Asst. Prof.
11	Mr.Krishna Prasanth Avasarala	M.Sc.	Visiting Faculty
Department of English			
12	Prof.K.S.V.V.S.Prasad	M.A(Eng),M.Phil., B.Ed , PGCTE-CIEFL, (Ph.D)	Professor
13	Mrs.D.Padmaja	M.A (Litt), M.Phil	Assoc. Prof
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. K. Balaji	M.A (Litt)	Asst. Prof.
19	Mr. K. Chakrapani	M.A (Litt), (Ph.D)	Asst. Prof.
20	Mr. G. Venkata Ratnam	M.A(Litt),M.A (ELT) (Ph.D)	Asst. Prof.
21	Mrs.S.Chandrakala	M.A (Litt)	Asst. Prof.
22	Mr. S. Prasad	M.A(Litt),M.A(ELT), B.Ed, (Ph.D)	Asst. Prof.
23	Mr P.Prasad	M.A (Litt)	Asst. Prof.
24	Mr.P.C.Viswanath	M.A B.Ed (Ph.D)	Asst .Prof
25	Mr.A.Ajay kumar varma	M.A B.Ed	Asst .Prof
26	Mr.Srinivasa Rao Valavala	M.A. (Ph.D)	Visiting Faculty

27	Dr. G. Suvarna Lakshmi	M.A. Ph.D	Visiting Faculty
Department of Chemistry			
28	Prof. N. Ramam	M.Sc. M.Phil	Professor
29	Dr. P.V.S. Machi Raju	M.Sc., Ph.D	Professor
30	Mr. P. Satyanarayana	M.Sc.	Asst. Prof.
31	Mrs. A. Jyotsna	M.Sc, B.Ed, (Ph.D)	Asst. Prof.
32	Ms. K. Vani Sri Krishna	M.Sc.	Asst. Prof.
33	Ms.P.Revathi	M.Sc.	Asst. Prof.
34	Dr.M.Raja Ravindra Prasad	M.Sc., Ph.D	Visiting Faculty
35	Dr.M.Venkateswara Rao	M.Sc., Ph.D	Visiting Faculty
Department of Physics			
36	Mr. P. Raj Shekhar Phaneendra	M.Sc	Assoc. Prof.
37	Ms. P. Kiranmai	M.Sc	Asst. Prof.
38	Mr. G. Bhaskara Rao	M.Sc., (Ph.D)	Asst. Prof.
39	Mr. N. Ramkrishna	M.Sc	Asst. Prof.
40	Ms. V. Naga Lakshmi	M.Sc.	Asst. Prof.
41	Mr.K.Rajendra Prasad	B.Tech (CSE)	Visiting Faculty
Department of Environmental Studies			
42	Mrs. P. Sravani	M.Sc.	Asst. Prof.
43	Mrs. N. Prasanthi	M.Sc., (Ph.D)	Asst. Prof.
44	Mrs. S. Bhargavi	M.Sc.	Asst. Prof.
45	Dr.N.V.Rao	M.Sc Ph.D	Visiting Faculty
Department of Management Sciences			
46	Sri S. Vamsi Kiran	M.B.A,M.Phil.,(Ph.D)	Assoc.Prof
47	Sri K.S.V.G.K. Murthy	M.Com (Accounts) MBA (Marketing)	Assoc.Prof
48	Mr. K. Anand	MBA (Finance & Marketing)	Asst. Prof.
49	Ms. M. Seetha Latha	M.B.A	Asst. Prof.
50	Mr.P.Nagendra Rao	M.B.A	Asst. Prof.
51	Mr.G.Prasanna Kumar	M.B.A	Asst. Prof.

52	Ms.N.Manohari Devi	B.Tech, M.B.A	
53	Mr. P. Raja Kumar	MCA	Asst. Prof.
54	Mr K.Srikanth	B.Tech	Asst. Prof.
55	Ms.K.Sireesha	MCA	Asst. Prof.
56	Mrs.N.V.S.Sowjanya	M.Tech	Asst. Prof.
57	Ms.T.Naga Venkata Durga	B.Tech	Asst. Prof.
58	Ms.GSVV Usha Ramadevi	B.Tech	Asst. Prof.
59	Mrs.S.Rajani	B.Tech	Asst. Prof.
60	Mrs.V.Ramya	B.Tech	Asst. Prof.
61	Mr. B. Rajesh Kumar	M.B.A., (Ph.D)	Asst. Prof.
62	Mr.R.Rajesh Kumar	B.Tech	Asst. Prof.
63	Mr.K.Siva Prasad	M.Com; M.L.I.C, PGDLAN	Librarian
64	Mr.P.Surya Prakash Rao	B.Com ; M.L.I.C	Library Assistant
65	Mrs. V.S.M.Sridevi	M.A; M.L.I.C, PGDLAN	Library Assistant
66	Mr.B.Adinarayana	B.A., B.P.Ed., M.P.Ed	Asst. Prof.
67	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.K.Siva Sankar	M.A (Litt)	Asst. Prof.
3	Mrs. R. Amulyam	M.Sc., (Ph.D)	Asst. Prof.

Faculty Publications in National/International Journals

- 1) **Mr. DEMUDU NAIDU JUREDDI** Published a Paper on English for engineers and technologists –jntuk,a,p edition is a guide for professional language and personality development in International Journal of English and literature (IJEL)ISSN-2249-6912 vol 9,issue 2, April 2019,pp 77-80(Scopus ,UGC, Peer reviewed journal)
- 2) **Demudu Naidu Jureddi, Prasad seemusuru** Published a Paper on “The Consciousness of Life skills in Shakespeares Julius Caesar and The Tempest in International Journal of Anveshana International Journal of Research in Education

Literature Psychology and Library Sciences Volume -4, Issue 1 (ISSN-2456-3897), PP 14-20, April- 2019. (UGC Journal)

- 3) **K.Chakrapani** Published a paper on “Translation of Emotional Verbs From English to Telugu: A Case Study” in UGC Approved Journal of Review of Research No.48514, ISSN: 2249-894X, PP 114-117, FEB 2019.
- 4) **K.Chakrapani** Published a Paper on “Wrangle and Dissent – Reflections in Regional Literature a Study on Allam Rajaiah’s Short Stories”, in International Journal of English and Literature (IJEL) ISSN(P):249-6912; ISSN(E):2249-8028 Vol.8 Issue5, Oct 2018, PP 53-58, (SCOPUS).
- 5) **Demudu Naidu Jureddi** Published a Paper on “Women and Women Writers in India in the Perspective of Women Empowerment” in International Journal of Multidisciplinary Educational Research ISSN: 2277-7881; Impact Factor – 5.818; Ic Value; 5.16; ISI Valur; 2.286 Volume7, Issue9(2), September 2018 PP 119-129. (peer reviewed & refereed International Journal)
- 6) **Demudu Naidu Jureddi** Published a Paper on English for **engineers and technologists** – jntuk, a, p edition is a guide for **professional language and personality development in International Journal of English and literature** (IJEL) ISSN-2249-6912 vol 9, issue 2, April 2019, pp 77-80 (Scopus, UGC, Peer reviewed journal)

FACULTY PARTICIPATION AT NATIONAL CONFERENCES / SEMINARS

- **Demudu Naidu Jureddi** presented a paper on “**Societal and a Adaptive Approachment** in Delta Wedding of Euroda Welty in **International Conference on Science Technology and Management** held on 30th March 2019 at Sri Durga Malleswara Siddhartha Mahilakalasala Vijayawada.
- **Demudu Naidu Jureddi** presented a paper on **societal and regional elements in the novels of euroda welty** in **National conference on contemporary aspects in the milieu of English language and literature** held at little flower degree college uppal Hyderabad on 16th march 2019.
- **Demudu Naidu Jureddi** presented a paper “**Emotional Perceptions in the Novels the Optimist ‘s Daughter and Losing Battles of Euroda Welty**” in **International Conference on Interdisciplinary Studies of Literature and**

Culture Department of English –Andhra University ,Visakhapatnam ,Ap,India,14th to 16 th March 2019.

- **K.chakrapani** presented a paper on “**Transiation of Emotional verbs from Courses**” in the International Conference on “**Writing the Anthropocene (ICWA)Engendering Ecological Consciousness in English & Telugu Literatures**” Held at Adikavi Nannaya University Rajamahendravaram E.G Dist AP INDIA From 18th -20th Feb 2019.
- **DR.Machiraju P.V.S** Prof of chemistry presented a paper on “**Quality Evaluation of Sub Surface waters in Rural Habitations by Assessing Chemical ,Metal Toxicity,and microbial contamination**” in ICSTR Dubai International Conference on Science And Technology Research held by Flora grand Hotel Near Alrigga Metro Station Dubai united Arab Emirates . He was Honored as Best Paper Presenter for technical presentation and research contribution in the **International Conference organized by scientific \$technology research association** from 26th -27th December 2018.

DEPARTMENT ACHIEVEMENTS

1. **K.V. V. S. Prasad** Completed Educational Leadership course from NPTEL-AICTE.
2. **Dr. M. Balaiah** has been appointed as editorial board member for AJAM (online) from March 2018.

DEPARTMENT ACTIVITIES

1. The NSS Unit conducted **WORLD KIDNEY DAY** in association with Department of IT on 14-3-2019.
2. The NSS Unit organized **Voter Enrolment and EVM’s & VVPAT’s usage** on 21-2-2019 in college campus.
3. The NSS Unit volunteers participated **Youth parliament participation Selections** 20-2-2019.

4. The NSS Unit organized on a workshop on “**NEW DESTINY-LIFE EDUCATION**” 21-2-2019 in college campus.
5. The NSS Unit volunteers participated in **Republic day Celebrations** 26-01-2019.
6. NSS Unit organized **World Tourism Day” & National Voters Day** on 25-1-2019
7. NSS Unit organized **Janmabhoomi Maa Vooru celebrations** from 4-1-2019 to 10-1-2019.

1. “**WORLD KIDNEY DAY**” :(14-3-2019)

NSS Unit of the college in association with Department of IT organized “World Kidney Day” on 14-3-2019 in the college campus. In this connection an awareness programme was organized to the students along with NSS volunteers on “Food habits for Healthy Kidney” by Dr.Sarojini devi.Campus doctor. Sri K Satyanarayana,Vice Principal, P.Raj Shekhar Phaneendra,NSS PO, B.Sudheer Asst NSS PO were present on the occasion





2.Voter Enrolment and EVM's & VVPAT's usage

The NSS Unit of the college coordinated the awareness programme on “Voter enrollment & usage of EVM's & VVPAT's” in the college campus. This programme was conducted by district administration under the supervision of MRO Gandepalli Mandal on **21-2-2019**. Nearly 200 students along with the NSS Volunteers attended the awareness programme. A live demonstration was given in which students participated and understood the functioning of the EVM and VVPAT machine. Principal Dr S Sambhu Prasad,P Rajshekhar Phaneendra,NSS PO,Mr B.Sudheer,Asst NSS PO took part in the event.



3.Youth parliament participation Selections

NSS volunteers of the college participated in the Youth parliament selection Programme conducted in Nannaya University, Rajahmundry on 20-2-2019. The programme started at 9:00am at the seminar hall of the Nanayya University. Volunteers participated in the discussions on the various aspects of the Constitution of India and Indian Parliament.



4.A WORKSHOP ON “NEW DESTINY-LIFE EDUCATION”

A Workshop on “Life Education” was organized for the faculty and students in association with “World Youth Change Makers”(WYCM) on **5-2-2019** in the college campus. Mr Krishna Mohan, Mrs Lavanya and the resource persons Mr Umapati and Mr Sunil were present for the above workshop from WYCM organisation. The aim of the above workshop is to break Emotional levels of Stress, Anger, Fear & Anxiety, Increasing intelligent Quotient (IQ) and creating a deeper sense of Responsibility among Youth in today’s world. Dr. S Sambhu Prasad, Principal of the college welcoming the guests said that in today’s busy schedule “LIFE EDUCATION” is of utmost importance and will in turn add on employment ready skills to the students and faculty. The resource persons **Mr.Umapati and Mr.Sunil**, from WYCM in their 3 hour long workshop on “**NEW DESTINY –Life Education**” focused on latest scientific research on brain and their correlation, effective meditation practices in order to get rid of the emotional levels of Stress, Anger, Anxiety and Fear for overall development. This creates healthy environment in the country by which there will be an all-round development. This would be an important factor in making the backbone of the country i.e. **YOUTH POWER** more strong.



5. Republic Day Celebrations

In connection Republic day Celebrations 36 volunteers from the NSS Unit of the college attended JNTUK Kakinada Marchfast Programme. The programme started with the Guard of honour to the Hon'ble Vice-Chancellor Prof. M. Ramalinga Raju, Hon'ble Vice-Chancellor, JNTUK, Kakinada by the different NSS, NCC, Sports units of the Constituent Autonomous & affiliated colleges. Hon'ble Vice-Chancellor hoisted the National Flag and speaking to the parents, faculty, participants and students said that the citizens of the country must know read and know the Indian Constitution to enjoy every fundamental right in right manner for the development of the nation. He said that Civil Services and Foreign Services are also a good option for the present engineering graduates for serving the nation in real manner. We need qualified administrators.





6. WORLD TOURISM DAY & VOTER'S DAY





PRESENTATIONS FROM STUDENTS

WORLD KIDNEY DAY (14-03-2019)

Programmes Organised and winners:

TECHNICAL QUIZ WINNERS LIST				
S.No	Name	Roll No.	Department	Winners
1	Ch.Ushaswini	17A31A1202	IT	First
2	P.Srijani	17A31A1225	IT	First
3	T.S.S.K Prathyusha	17A31A1234	IT	First
4	V.Stuthimahima	17A31A1238	IT	First

Youth parliament participation Selections on 20-02-2019

youth parliament participation selections				
S.No	Name	Roll No.	Department	Winners
1	V.Surya chandra	18A35A0435	ECE	First
2	P.Pavan	18A35A0532	ECE	First

SPORTS:












Internal achievements of students for the academic year 2018-19
















INTERNAL ACHIEVEMENTS OF STUDENTS FOR THE ACADEMIC YEAR 2018-19				
S.No	Name	EVENT	Department	Winners
1	P. Satya Ganesh	100 meters (M)	I EEE	First
2	A. Sai Naveen	800 meters (M)	I Civil	First
3	B. Shyam	Shot Put (M)	I ECE	First
4	Swarupa	Shot Put (W)	I IT	First
5	A.Chaitanya	4*100 Relay (W)	I IT	First





















EXTERNAL ACHIEVEMENTS OF STUDENTS FOR THE ACADEMIC YEAR 2018-19

1	P.S.SRINIVAS	ME	KHO-KHO
2	A.PREAM KUMAR	ECE	KHO-KHO
3	B.BALA SIDHARDHA	ECE	KHO-KHO
4	S.CHANDRA KIRAN	ME	BASKET BALL
5	CH.NAVEEN	ME	BASKET BALL
6	V.S.HARSHITH CHOWDARY	ME	BADMINTON
7	G.SAI RAM	ECE	TABLE TENNIS
8	N.SAI ANKKITH	CIVIL	KABADDI
9	A.RAMA KRISHNA	ECE	KABADDI
10	S.DHANUNJAYA	CIVIL	VOLLY BALL
11	N.GANESH	ME	VOLLY BALL
12	K.SRIMNNARAYANA	CIVIL	VOLLY BALL
13	G.RANJHITH ROY	CSE	CRICKET
14	A.SAI NAVEEN	CIVIL	CRICKET
15	V.SATHISH	ME	CRICKET

ACADEMIC TOPPERS OF I B.TECH I SEMESTER -2018-2019

S.No.	Branch	Prize	HT No	Name of the Student		%		
1	CIVIL-A	I	18A31A0108	KUNAPUREDDY SAI SATYA DEEPTHI PRAVEENA		9.75		
2		I	18A31A0123	CHEEPURUPALLI VEERA VENKATA ABHINAY		9.75		
3				II	18A31A0119	ALLU SAI NAVEEN		9.63
4	CIVIL-B	I	18A31A0152	YELLAJYOSULA DURGA RATNA LALITHA		9.88		
5		I	18A31A0168	VELUGUBANTLA MOUNIKA MAHA LAKSHMI		9.88		
6				II	18A31A0163	KURASALA KEERTHANA		9.38
7				I	18A31A0233	KOLLAPUREDDY SATYA NUKESH		9.75
8	EEE-A	II	18A31A0242	NARLA SURYA KIRAN		9.88		
9	EEE-B	I	18A31A0282	ANKAM DURGA SATYA SAI KIRANKUMAR		9.75		
10		II	18A31A0257	BANDARU SATYA AKHILA		9.63		
11		II	18A31A0267	MARISSETTI RADHA LAHARI		9.63		

12		I	18A31A0303	DEEKSHA KANAKA LAKSHMI D		9.88
		II	18A31A0315	CHITTURI THIRUVENKATESH		9.75
13	ME-A	II	18A31A0325	GONEMADATHALA VEERA VENKATA SATYANARAYANA		9.75
14						
15	ME-B	I	18A31A0368	KOTIKALAPUDI VISHNU KALYAN		9.50
16		II	18A31A0360	DARBHA SANDEEP DATTA		9.13
17	ME-C	I	18A31A03B2	GANDEPALLI VISHNU VARDHAN SRI RAJ		9.88
18		II	18A31A03C6	M VENKATA SWAROOP		9.63
19	ME-D	I	18A31A03H9	KETHA SRI SATYA SANDEEP		9.00
20			18A31A03I3	MEDISETTI VEERA PRADEEP		9.00
21		II	18A31A03I6 18A31A03J0	NAKKA CHAKRAVARTHI PALAKURTHI VARAPRASAD		8.88 8.88
22						
17	ECE-A	I	18A31B0411	MEDASANI SHANMUKHESWARI		9.63
18		II	18A31B0454	SURABATHULA SRI HARSHA		9.50
19	ECE-B	I	18A31A0409	JAYA SRI ALLAM		9.75
20			18A31A0410	KADALI NAVYA SRI		9.75
21		II	18A31A0405 18A31A0411 18A31A0427	GODITHI THANMAYI KAKILETI MUKUNDA NAGA SAIPRIYA YALLA SAI VEERA VARA LAKSHMI		9.63 9.63 9.63
22						
23						

24	ECE-C	I	18A31A0480	SATHI BHANU SHIRISHA		9.75
25		II	18A31A0462	ANGADA VENKATA SAI NANDINI		9.50
26		II	18A31A0469	PABOLU DEVI ANANTHA BHAGYA SRI		9.50
23	ECE-D	I	18A31A04E5	VELAGA INDU KESAVI		9.75
24		II	18A31A04D3	NEMALA RAMYA		9.63
25		II	18A31A04E6	VIYYURI SRI HARSHINI		9.63
26	ECE-E	I	18A31A04M7	PANDRANKI DURGA PAVAN VINEESH		9.63
27		II	18A31A04J4	NUNNA DHRUVITHA		9.50
27	CSE-A	I	18A31B0553	S.PRASANTH		9.88
		II	18A31B0515	KONA NIHARIKA		9.50
28		II	18A31B0518	LAGADAPATI NAGA ANUSHA		9.50
29	CSE-B	I	18A31A0506	GATTI SRAVANITHA		9.88
30		II	18A31A0505	GANDEPALLI POORNIMA		9.75
31	CSE-C	I	18A31A0579	PATNALA APARNA		9.75
32		I	18A31A05B7	SIVALA SUMANTH		9.75
33		II	18A31A0567	KEDARISSETTI MADHAVI PRATHUSHA		9.63
34		II	18A31A0573	MULLAPUDI LAKSHMI SOWJANYA		9.63
35		II	18A31A0574	NAGA LAKSHMI SANJANA		9.63
36		I	18A31A1217	MUTYALA JOSHNA SAI KEERTHI		9.75
37	IT	II	18A31A1210	KOVVURI GOWTHAMIREDDY		9.50

EDITORIAL BOARD

1. Dr. M BALAIAH -Assoc. Prof.& HOD-BS&H
2. Lt. J. D. NAIDU - Asst. Prof. of English
3. Mrs.P.SRAVANI -Asst. Prof. of Environmental Studies