

Name : S.Pranavanand  
Designation: Associate Professor  
Department:EIE  
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Experience (in years): Teaching:13 Research: 06 Others :

1.Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	Thesis Submitted in Dec 2017	-	Control system
2	M.E	2005	Electronics & Control Engineering
3	B.E	2002	Instrumentation & Control Engineering

2. Teaching and Learning:

2.1 Teaching Interests:

Electronic Devices and Circuits, Control Systems, Virtual Instrumentation, Intelligent Control.

2.2 Novel Teaching & Learning Techniques adopted: POGIL, Learning by Doing

2.3 Involvement in curriculum updating / Design: BoS: Chairman of EIE from 2012 to 2015

3. Co-curricular and Extra-Curricular Activities

3.1 Interests and Hobbies:Innovation and project development

3.2 CCA/ECA Organized:

Member: Sports Fest  
2012,13,14,2015 Member:

Scintillation 3.3. CCA/ECA participated:

3.4. Counseling and Mentoring Activity:

Mentor for eight students of each from II, III and IV  
years 3.5. Committees involved in: Department level:

Incharge: HoD  
From: March 2012 to Oct 2014

Institute Level:

From: March 2012 to Oct 2014

- Member of Institute Academic council which finalizes the curriculum for the entire Institute.
- Chairman of Department Development committee
- Chairman of Department Academic committee
- Chairman of Project Review committee
- Member of Institute Research and Development committee
- Mentor for graduate students how were granted scholarship by World Bank under Technical Education Quality Improvement Program ( TEQIP)

#### 4. Conference / Workshop / Seminar / Guest Lectures:

##### 4.1 Conducted:

Conducted a three day workshop on Virtual Instrumentation during 24<sup>th</sup> to 26<sup>th</sup> Nov, 2008  
Conducted a two day work shop on Introduction to Virtual Instrumentation during 15<sup>th</sup> and 16<sup>th</sup> June 2011

##### 4.2 Attended:

Tutorial workshop on applied nonlinear and intelligent control, organized by IISc, Bangalore, during 11<sup>th</sup> May 2009 to 15<sup>th</sup> May 2009.

#### 5. Academic Contribution and Research & Consultancy:

##### 5.1 Invited Lectures:

Lecture on Virtual Instrumentation at Osmania University , Hyderabad – Oct 2014  
Lecture on Control System using LabVIEW at University of Petronas, Malaysia, 21<sup>st</sup> Nov, 2016  
Lecture on Real Time controller implementation using LabVIEW at Quest International University, Malaysia, 22<sup>nd</sup> Nov, 2016

##### 5.2 Articles / Chapters published in Books:

##### 5.3 Books published as single author or as editor:

##### 5.4 Projects Guided:

a) UG: 30+            b) PG: 05

##### 5.5 Research Interests:

Control system, Virtual Instrumentation, Embedded system, Cyber Physical systems

##### 5.6. Ph.D students:

a) Enrolled:            b) Submitted:            c) Awarded:

##### 5.7. Papers published in reviewed Journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/IS SN No.	Impact Factor/ Citation Index	National/ International
1	Mathematical modeling and simulation of a new technique for mortar preparation system using Virtual instrumentation”,	International Journal of Engineering Science and Research Volume 02, Issue 04, July 2011	ISSN: 2277-3916	0.2	International
2	A new automated technique to control the anaerobic digestion process using Virtual Instrument	International Journal of Engineering Science and Research January-April 2012, pp 473-477	ISSN: 2277-3916	0.2	International

3	Design and Development of a Low Cost Miniaturized Wind-Solar Hybrid Plant and Performance Optimization using Virtual Instrument	Journal of Instrumentation Society of India, Vol 26, Issue, September 2012, pp 425-428	ISSN 0970998 3	0.5	
4	Control of process variables for Remote Applications using LabVIEW and Internet	CVR Journal of Science and Technology Volume 2, June 2012, pp 380-384	ISSN: 2472-9326	0.5	National
5	Regulating the level of Boiler Drum using LabVIEW	Journal of Instrumentation Society of India Volume# 44, Issue# 3, September 2014, pp 185-188	ISSN 0970998 3	0.5	National
6	Optimization of the thermal transfer capability of Single Fluid Heat Transfer System (SFHTS) using LabVIEW	Journal of Instrumentation Society of India, Vol 45, Issue:3, September 2015, pp 171-175	ISSN 0970998 3	0.5	National

5.8. Papers presented at National / International Conference:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Data Acquisition and control of Level process at remote location using LabVIEW”	International Conference on Advanced Computing, Communication and Networks[ICACCN-11]	International	3 days
2	MEMS based Micro Needles	National Conference on Power Engineering & Process -2008	National	3 days
3	Image Reconstruction Algorithm for Electrical Impedance Tomography	National conference on Instrumentation, Control Systems and Automation - 2006	National	3 days

4	Mathematical Modelling and Development of Intelligent Controllers for Ameliorating the Performance of Single Fluid Heat Transfer System (SFHTS) Using LabVIEW	2015 IEEE International Symposium on Robotics and Intelligent Sensors (IEEEIRIS2015)	International	3 days
5	Implementation of SM Controller and FBL Controller to control the operation of SFHTS using LabVIEW	12 <sup>th</sup> IEEE International conference INDICON	International	3 days
6	Development of Different Controllers Using Virtual Instrument to Bolster the Performance of Single Fluid Heat Transfer System	IEEE International conference on Control, Communication and Computing, IEEE-ICCC 2015	International	3 days
7	Development of Sliding mode and Feedback Linearization	International Conference on advances in control and signal processing	International	3 days
	Controllers for the Single Fluid Heat Transfer System			

#### 5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed
1	Weapon Tracking and locking system	DRDL,Pune	1 year	10.00 Lakhs	Completed
2	ROtiBOT	MSME, Govt. of India	1 year	7.35 Lakhs	Ongoing

#### 5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

#### 4. Awards / Honors received:

Major Achievements during the tenure as In charge: Head of the Department  
March 2012 to Oct 2014

- Got the Department accredited by All India Council of Technical Education (AICTE), Government of India for a period of two years.
- Got the Department accredited by National Assessment and Accreditation Council (NAAC), Government of India for a period of six years.
- Got the Department autonomous status from University Grants Commission Government of India for a period of five years.
- established Virtual Instrumentation Lab and Embedded and Microprocessor lab in the department.
- Secured the National Instrument's Academy School award for the department.

f) conducted six certificate/ training courses/ workshop to faculty members and students of the Institute.

Honorable/ Distinguished post held

- Board of Studies member of Jawaharlal Nehru Technological University, Government of Andhara Pradesh, Hyderabad, India
- Member of Institute Academic council which finalizes the curriculum for the entire Institute.
- Chairman of Department Development committee
- Chairman of Department Academic committee
- Chairman of Project Review committee
- Member of Institute Research and Development committee
- Mentor for graduate students how were granted scholarship by World Bank under Technical Education Quality Improvement Program ( TEQIP)

5. Motto:

Work is worship