

## PB SIDDHARTHA COLLEGE OF ARTS &amp; VIJAYAWADA-10

## DEPARTMENT OF PHYSICS

## ACTIVITY REGISTER-2016-2017

S.No	Date	Nature of Activity	Title of Activity	Details of Resource Persons	No. of Students Participated	Brief Report on the Activity	Signature of the department in charge	Remarks
1	27 <sup>th</sup> July 2016	Guest Lecture	“Dr.A.P.J. Abdul Kalam - An Inspiration to Indian Youth”	Dr.T. Sri Kumar, Andhra Loyola College, Vijayawada	100			
2	26 <sup>th</sup> September 2016	<b>Regional seminar</b>	<b>“Advances in Atmospheric and Space Physics”</b>	Prof.K. Niranjan, Department of Physics, Prof.O.S.R.U. Bhanu Kumar, Department of Meteorology of Andhra University, Visakhapatnam and Dr.G.C. Satyanarayana, K.L. University, Vaddeswaram	100			
	22 <sup>nd</sup> & 23 <sup>rd</sup> February- 2017.	<b>International seminar</b>	<b>“Materials for the Societal Advancement with Emphasis on Health and Energy”</b>					

## FACULTY ACHIEVEMENTS

**Dr. M. V. N. Padma Rao**, Principal (Retd.) was **nominated as a member on a visiting committee** to visit G.T.N. Arts College, Dindigul, Tamil Nadu for conferment of autonomy on 4<sup>th</sup> & 5<sup>th</sup> July 2016.

**Prof. K. Krishna Murthy**, Vice Principal and HOD of Department of Physics is appointed as the **member of Board of studies (PG) in Electronics and Electronics and Instrumentation Technology** by the Acharya Nagarjuna University for a period of two years w.e.f. January, 2017.

**Dr. J. Suneetha Rani**, Lecturer in Physics was nominated as **subject expert in the VII Board of Studies meeting in Physics-2016 of K.B.N. College**, Vijayawada.

## AWARDS

**Dr. J. Suneetha Rani**, Lecturer in Physics was **awarded Ph.D.** on the thesis titled “Modeling of Sea Breeze for Visakhapatnam Region using WRF Mesoscale Model and comparison with Doppler Sodar Measurements” in the month of October 2016 by Andhra University, Visakhapatnam under the guidance of Prof.M. Purnachandra Rao, Dept. of Physics, Andhra University, Visakhapatnam.

## PARTICIPATION IN SEMINARS /SHORT TERM COURSES/WORKSHOPS /FDP’S

**Mrs. M. Tasneem**, faculty of department of physics attended a refresher course in “Experimental Physics” organised Goa University from 10<sup>th</sup> to 23<sup>rd</sup> May 2016.

**Smt.J. Sunitha Rani**, Lecturer in Physics attended an **UGC sponsored one-week National Workshop** in collaboration with Aadikavi Nannayya University, Rajamahendravaram from 18<sup>th</sup> August to 24<sup>th</sup> August, 2016 at Sir C.R. Reddy Autonomous College, Eluru.

**Dr.K. Bhargavi**, Dy.HOD, Physics has attended a National Seminar on “Advances in the Synthesis of Nano materials and their multi dimensional Applications in the Chemical & Bio-Sciences” conducted by the Department of Physics, Andhra Loyola College, Vijayawada on 14<sup>th</sup> & 15<sup>th</sup> September, 2016.

**Dr.K. Bhargavi, Dy.HOD, Physics and Dr.J. Suneetha Rani, Lecturer in Physics** has attended a Workshop on “**Radio Chemistry**” conducted by the Department of Chemistry, P.B. Siddhartha College of Arts & Science, Vijayawada, in association with Indian Association of Nuclear Chemists and Allied Scientists (IANCAS), Kalpakkam on 27<sup>th</sup> & 28<sup>th</sup> September, 2016.

**Dr. K. Bhargavi**, Dy.HOD, Physics has attended a National Seminar of 2<sup>nd</sup> Andhra Pradesh Science Congress conducted by AP Akademy of Sciences, Amaravathi Chapter in association with Krishna University and Acharya Nagarjuna University from 7<sup>th</sup> – 9<sup>th</sup> November, 2016.

**Dr. J. Suneetha Rani**, Lecturer in Physics has attended a National Seminar of 2<sup>nd</sup> Andhra Pradesh Science Congress conducted by AP Akademy of Sciences, Amaravathi Chapter in association with Krishna University and Acharya Nagarjuna University from 7<sup>th</sup> – 9<sup>th</sup> November, 2016.

**Dr. K. Bhargavi**, Dy.HOD, Physics has acted as Adjudicator for Dr. Sudha Science Quest conducted by St.John's EM High School, Vijayawada on 29<sup>th</sup> November 2016.

**Dr. K. Bhargavi**, Dy.HOD, Physics has attended a Workshop on “Mushroom Cultivation and Entrepreneurship” conducted by the Department of Botany, P.B. Siddhartha College of Arts & Science, Vijayawada on 2<sup>nd</sup> December, 2016.

**Dr.K. Bhargavi**, Dy.HOD, Physics has attended a National Seminar on “Advances in Biomaterials and Characterization Techniques and presented a paper on “Gamma ray induced Thermo luminescence characteristics of Pbo-Al<sub>2</sub>O<sub>3</sub>- SiO<sub>2</sub>: Pr<sup>3+</sup> Glasses” conducted by the Department of Physics, Andhra Loyola College, Vijayawada on 20<sup>th</sup> & 21<sup>st</sup> January 2017.

**Prof.K.Krishna Murthy** - paper on “Comparative Assessment on “Linearity Test based  $V2\pi$  and  $V\pi/2$  Voltage variations of closed loop IFOG’ published in the **International Journal of Electrical and Computer Engineering** Vol.6, No.2, April, 2016.

**Prof. K. Krishna Murthy**, published a paper on “Optical and IR studies on  $(M_oO_3)_{1-x}(WO_3)_x$  mixed oxide “thin films, in **Journal of Physics and Chemistry of glasses : European Journal of Glass science and Technology** Part B, Vol. 57, No.3, June, 2016.

**Prof. K. Krishna Murthy** published a paper on “Study on Improved Efficiency of Photovoltaic Cell using Optimisation of Optical Filters using Nano-Fluids” in **International Journal of Electronics and Communication Technology** in the issue 3 from July-September 2016.

**Prof. K. Krishna Murthy** published a paper on “Variation of solar cells, sensitised using Cadmium Tellurium/Cadmium Selenium and Cadmium Selenium/Cadmium Tellurium” In the **International Journal of Education and Applied Research** in the issue 2 from July – December 2016.

**P. B. SIDDHARTHA COLLEGE OF ARTS & SCIENCE, VIJAYAWADA-10**

**DEPARTMENT OF PHYSICS**

**ACTIVITY REGISTER-2017-2018**

S.No	Date	Nature of Activity	Title of Activity	Details of Resource Persons	No. of Students Participated	Brief Report on the Activity	Signature of the department in charge	Remarks
1	13 <sup>th</sup> July 2017.	Guest Lecture	<b>“Internet of things-Application to Cloud Computing”</b>	Prof. K. Raghavendra Rao, Sri Krishadevaraya University, Warangal	100			
2	21st & 22nd Nov 2017	Faculty development programme	“Computational Methods and Programming in C”	Prof.N.B.Venkateswarlu, GVP Engg College for Women, Visakhapatnam	40			

3	21st December 2017	Guest Lecture	“Quantum of Light Unify Forces of Nature “	Shailesh Kadokia B.E. (INDIA), M.S. (USA) Founder, MATRIX Writers & Publishers, LLC.	100			
4	9 <sup>th</sup> & 10 <sup>th</sup> Feb 2018	Workshop	“Lecture workshop on topology and quantum theory”	Prof.H.S Mani, Prof. V. V. Sree dhar Chennai Mathematical institute, Chennai, Pr of. M. V. N Murthy institute of mathematical sciences, Chennai, Prof. K. P. Yogendra n IISER , Tirupati				

**PARTICIPATION OF FACULTY  
IN  
SEMINARS /SHORT TERM COURSES/WORKSHOPS /FDP'S**

**Dr. K. Bhargavi**, Dy.HOD, **Dr. J. Suneetha Rani**, **Mr. N. Raja Sekhar**, **Mr. S. Vijaya Krishna** and **Ms. M. Tasneem** participated in a National Seminar organized by P.B. Siddhartha College of Arts and Science, Vijayawada on **New Education Policy Goals and Imperatives** in collaboration with Andhra Pradesh State Council of Higher Education during 14-15<sup>th</sup> March, 2017.

**Dr. K. Bhargavi**, Dy.HOD participated in the UGC National workshop on “Role of Human Values in Higher Education for Personal and Professional Excellence” on 01-02-2017 organized by IQAC Cell, Maris Stella College, Vijayawada

**Dr. J. Suneetha Rani** attended a workshop “Research Based Pedagogical Tools” organized by Chalapathy Institute of Pharmaceutical Sciences, Lam, Guntur during 19-21<sup>st</sup> July, 2017.

**Dr. J. Suneetha Rani** attended a workshop “Future Trends in quality enhancement of professional & Academic skills in HEIs” organized by K.B.N. College, Vijayawada during 5-11<sup>th</sup> August, 2017.

**Dr. J. Suneetha Rani** participated in a workshop organized by Sir C.R. Reddy College, Eluru on **Space Dynamics** during 4-6<sup>th</sup> October, 2017

**Dr. J. Suneetha Rani** attended a National Seminar on “Physics and Chemistry of Non-Crystalline Materials” on 1<sup>st</sup> & 2<sup>nd</sup> December, 2017 organized by “Kakani Venkata Ratnam College” Nandigama-521185, Krishna Dist., A.P., India.

**Prof. K. Krishna Murthy** presented a paper on “Analysis of dead zone compensation in digital closed loop IFOG using matlab” at the International Conference on “Contemporary Engineering and Technology”, held on 31<sup>st</sup> March-1<sup>st</sup> April 2017 at Potti Sri Ramulu Chalavadi Mallikarjuna Rao college of Engineering and Technology, Vijayawada.

**Dr. K. Bhargavi** attended a National Seminar on “Physics and Chemistry of Non-Crystalline Materials” on 1<sup>st</sup> & 2<sup>nd</sup> December, 2017 and presented a paper on “Influence of some sesquioxides on up conversion in Ho<sup>3+</sup> - Er<sup>3+</sup> co-doped PbO-SiO<sub>2</sub>” glass system organized by “Kakani Venkata Ratnam College” Nandigama-521185, Krishna Dist., A.P., India.