



S.I.W.S.  
N.R. SWAMY COLLEGE OF COMMERCE & ECONOMICS  
AND  
SMT. THIRUMALAI COLLEGE OF SCIENCE  
WADALA MUMBAI-400031

Date : 31<sup>st</sup> July, 2020

**DEPARTMENT OF PHYSICS**  
**Report - 2019-20**

**Department Activity :**

**Webinar on Astronomy and Astrophysics :**

Physics department organized a webinar in the subject of Astronomy and Astrophysics on 8<sup>th</sup> July 2020. Prof Gopakumar Achamveedu, Associate Professor, Department of Astronomy and Astrophysics, from Tata Institute of Fundamental Research( TIFR), was the resource person. The title of his talk was “ **Monitoring the cosmic Dance of The Monster Black Hole**”. The talk was well received. In all 311 participants attended the webinar and E-certificates were mailed to all participants.

All the teachers were actively involved in the University paper corrections (OSM) and the college paper corrections.

**Staff Activities:**

**Ms.Mariamanna Danny:**

- Ms.Mariamanna Danny attended a workshop on” Exploring Biophysical techniques for protein purification and characterization “ organized by Department of Biophysics , University of Mumbai from Nov 19-21, 2019.
- Participated in National webinar conducted by Patkar-Varde college, Mumbai on exploring world of Nuclei on 10<sup>th</sup> July 2020.
- Participated in International webinar on “ Multifunctional Nano structured Materials “ organised by Post graduate department of Physics, M.B. Muthaih government Arts college of Women , Dindicul , Tamilnadu on 22<sup>nd</sup> July 2020.

**Ms.Anagha Bapat**

- She was also appointed as the paper setter for T.Y.B.Sc (Sem-VI) in the subject of Physics-II.
- Moderator and examiner for T.Y.B.Sc. Physics Paper II (Semester VI ), University of Mumbai
- As the co-convener of college Examination committee, successfully conducted F.Y./S.Y. B.Com. /B.Sc. examinations and also processed the results for the same.
- Ms.Anagha bapat attended a Three Day National Level Faculty Development Programme(online) on “Skill Development for Online Teaching “ from 5<sup>th</sup> May to 7<sup>th</sup> May 2020, conducted by IQAC of Bhavans College, Andheri(W). Mumbai.
- She was a participant in a webinar on E Content Development, from 11<sup>th</sup> to 13<sup>th</sup> May 2020, conducted by Toshniwal Arts, Commerce and Science College, Sengaoon, Dist. Hingoli, Maharashtra,



- She attended a webinar on “Super capacitors, Solar Cell Devices and Solar Thermal Technology” from May 11-14, 2020 conducted by Physics Department and Solar Energy Research Center (SERC), RCOEM, Nagpur.

### **Mr.Sandeep Vansutre:**

Mr.Sandeep Vansutre published a paper titled “Correlating Role of Substrate and Modified Physical Properties of  $(\text{Bi}_{0.5}\text{La}_{0.5}\text{FeO}_3)_{(1-x)}-(\text{Ba}_{0.7}\text{Sr}_{0.3}\text{TiO}_3)_x$  ( $x = 0, 0.5$ ) Thin Films”

**Authors-** S. Vansutre, S. Radha, C. L. Prajapat, A. Verma, H. Bhatt, S. D. Kaushik ,in Journal of Superconductivity and Novel Magnetism, 34: 425–433 (2021).**ISBN/ISSN number:** 1557-1939

### **Student achievement**

Our student Ms. **Sweta Suryavanshi** scored A+ in the SEM V Examination. SEM VI examination was conducted on-line as per university norm.

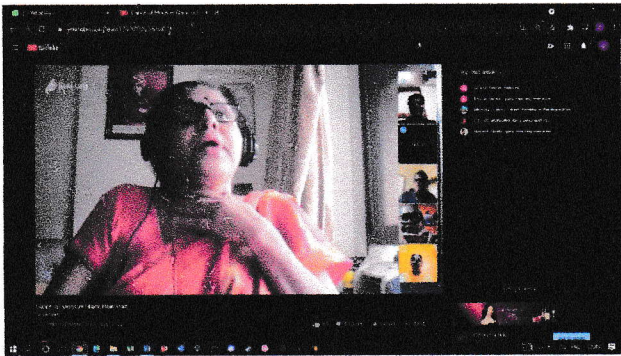
**Dr. Anuradha Natarajan**  
**Department of Physics**  
**Date : 31<sup>st</sup> July 2020**

**Dr. Usha Iyer**  
**Principal**

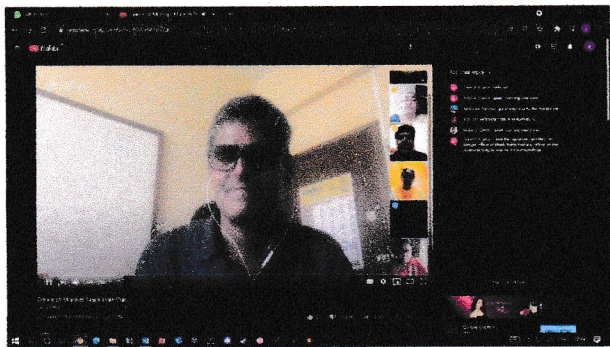


**PRINCIPAL**  
**J.W.S. N.R. Swamy College of**  
**Commerce & Economics and**  
**Smt. Fairumalai College of Science,**  
**Wadala, Mumbai - 400 031**

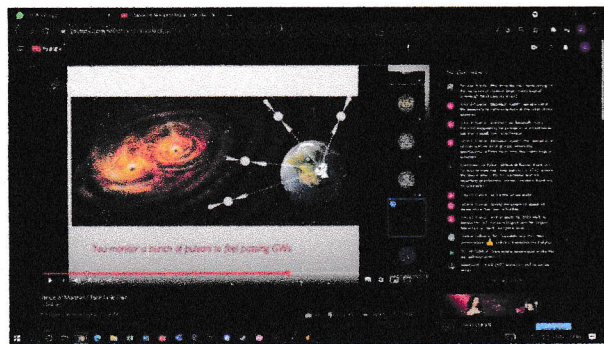
**A webinar in the subject of Astronomy and Astrophysics on 8<sup>th</sup> July 2020**



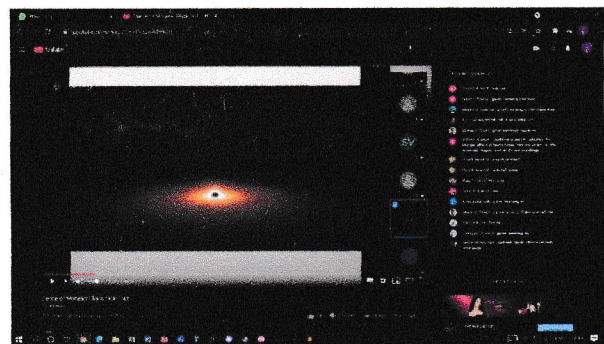
**Principal Dr. Usha Iyer welcoming the speaker Dr. Gopakumar**



**Prof Gopakumar Achamvedu, Associate Professor, Department of Astronomy and Astrophysics, from Tata Institute of Fundamental Research( TIFR)**



**PPT by resource person**



**PPT by resource person**



*[Handwritten Signature]*  
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