

### Winners of Intercollegiate Oral Presentation Competition

Gogate – Jogalekar College, Ratnagiri organized intercollegiate oral presentation competition in Astronomy and Astrophysics on December 11, 2016.

**Students from our college won all the three places:** Benit Sera Boben secured 1<sup>st</sup> Place, Angelo George secured 2<sup>nd</sup> Place and C. C. Vandana secured 3<sup>rd</sup> place.



Benit Sera Boben (L), Angelo George (M), C. C. Vandana (R)

Department of Physics congratulates all the winners for their outstanding achievements.

### Upcoming Events:

- Educational outreach programme for teaching internship will be conducted from 20<sup>th</sup> April to 10<sup>th</sup> May, 2017. Seventh and Eighth standard Students of Multipurpose School, Borda will attend this programme.
- As a part of MoU activity, a workshop on "Experimental Physics" will be conducted for the students of Gogate-Jogalekar College, Ratnagiri from 28<sup>th</sup> to 30<sup>th</sup> April, 2017.

### Editorial Board:

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### Indemnity:

Opinions and news appearing herein are those of the Editor and not necessarily those of the Principal or the Management.

### Hemand Tops NGPE-2017

National Graduate Physics Examination (NGP-2017) is a national level competitive exam conducted by Indian Association of Physics Teachers. Our college is a recognized center for this exam. This time NGPE was held on Sunday, 22<sup>nd</sup> January, 2017. Hemand Harikumar from S.Y.B.Sc. topped in our center.



Hemand with his certificate

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These two satellites carry a total of four different payloads from Space Applications Centre (SAC) and Laboratory for Electro Optics Systems (LEOS) of ISRO for conducting various experiments. The 101 International customer Nano satellites were launched as part of the commercial arrangements between Antrix Corporation Limited (Antrix), a Government of India company under Department of Space (DOS), the commercial arm of ISRO and the International customers.

**Compiled by Annapurna Meti,  
S.Y.B.Sc.**



# RIPPLES



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### Physics Day celebrations on 17.12.2017

Physics Day was celebrated on 17.12.2017 with great enthusiasm. Students actively participated in the different competitions held through the day. During the inaugural function Vice Principals Dr. E. M. Travassos, Mr. H.S.S. Nadkarni and the special Guest Mr. Manoj Pande addressed the students with their words of encouragement. The first activity was the quiz competition. For quiz competition, Angelo George won the first prize and Vijay Peddasingh won the second prize.

The second group activity was Physics Athlon. First prize for this activity was shared by Angelo George, Nibin Verughese, Benit Sera Boben, Michelle Dias. The second prize was shared by Hemand Harikumar, Paloma Fernandes, Wesley D'souza and Aaron Gonsalves.

The poster competition was another group activity for which the first prize was shared by Vijay Peddasingh, Akash Kundaikar, Aslob Menezes and the second prize was shared by Akanksha Dwivedi, Shweta Tiwari, Elaine Gomes and Annapurna Meti.



Students making presentation during poster presentation competition

During the valedictory function all the winners were awarded with certificate and cash prize at the hands of Chief Guest Shri R. V. Patil.

**Report by: Akash Kundaikar, S.Y.B.Sc.**

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### News from Department...

- Ten Students from third year B.Sc. cleared the exam and received course passing certificates from IIT, Mumbai on Spoken Tutorial Project which is about teaching and learning a particular FOSS (Free and Open Source Software) offered by IIT Mumbai.
- Twelve students from third year B.Sc. successfully completed honor's programme in Physics for semester V on "Training in LaTeX" and for semester VI on "Introduction to Microprocessors".

### From the Editor...

I am happy to bring out the third issue of our departmental newsletter "RIPPLES" which covers a wide range of activities taken place between December to April. This issue reveals how keenly students are involved beyond their regular curricular activities. April is the month of exams for students but they will resume their activities soon after they are done with their exams. The first and foremost activity is the participation of students in educational outreach programme for school children. This programme also benefits our students to complete their internship which is mandatory for each student under autonomous status of our college. As a part of MoU between our college and Gogate-Jogalekar college, Ratnagiri, a three days workshop on Experimental Physics will be held for students of Gogate-Jogalekar college. This is in reciprocation to the workshop organised by them for our students. We hope much more collaborations in days to come for our mutual benefit.

**Mr. Yatin P. Desai**  
Editor

### ISRO created a new record by launching 104 satellites from seven nations

Source: <http://www.isro.gov.in>

On Wednesday, February 15, 2017 at 09:28 Hrs India's Polar Satellite Launch Vehicle, in its thirty ninth flight (PSLV-C37), launched the 714 kg Cartosat-2 series satellite for earth observation and 103 co-passenger satellites together weighing about 663 kg at lift-off into a 505 km polar Sun Synchronous Orbit (SSO). PSLV-C37 was launched from the First Launch Pad (FLP) of Satish Dhawan Space Centre (SDSC) SHAR, Sriharikota. This was the sixteenth flight of PSLV in 'XL' configuration (with the use of solid strap-on motors). The co-passenger satellites comprised of 101 nano satellites, one each from Kazakhstan, Israel, The Netherlands, Switzerland, United Arab Emirates (UAE) and 96 from United States of America (USA), as well as two Nano satellites from India. The total weight of all these satellites carried on-board PSLV-C37 was about 1377 kg. PSLV-C37 also carried two ISRO Nano satellites (INS-1A and INS-1B), as co-passenger satellites.



Lift off view of PSLV –C37

Source: <http://www.isro.gov.in>

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### T.Y.B.Sc. Students were bid farewell on Monday, 27<sup>th</sup> March, 2017



Students from first year and second year organized a farewell function for their T.Y.B.Sc. seniors. This fun filled activity consisted of games for T.Y. students, music, dance, spot prizes etc. It all started with cake-cutting followed by lots of games. T.Y. students actively participated in the games and some of them won the prizes. Guitarist Einstein and Clint on his Violin thrilled everyone

with their awesome performance of music. Songs by Rishabh and Sudhindra glittered the evening with their wonderful voice. All the teachers shared their experiences with TY students. It was indeed a emotional moment for TY students which was obvious from their speeches. TY students expressed their gratitude and appreciated the efforts of FY and SY students for the successful organization of this function.

### Physics Students interacted with Prof. Bankston from Georgia Tech

Students of Department of Physics had interactive session with Prof. Clyde Bankston from Georgia Tech on Monday, 20<sup>th</sup> February, 2017. During this session he shared his experiences of designing several instruments which were loaded on board the space vehicles and satellites.



Prof. Bankston during interaction with students

### Dr. Tarunkumar Jha delivered invited talk in Physics

Dr. Tarunkumar Jha, Assistant Professor from department of Physics, BITS Pilani – Goa Campus, delivered a talk on "The Sun" on Thursday, March 02, 2017. Dr. Jha made this topic very interesting to students who attended the talk in large number.



Dr. Jha with students and faculty