



GURUKUL VARTA

The IIT Goa Campus Newsletter



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FIRST SENATE MEETING

Dr. RISHIKESH NARAYAN

The 1st senate meeting of IIT Goa was convened on 30th January 2018 in its temporary campus in Farmagudi, Ponda. The meeting was conducted under the chairmanship of IIT Goa Director, Prof. B. K. Mishra and was attended by the nominated members of senate as well as heads of the concerned departments from IIT Bombay. All the faculty members of IIT Goa and student representatives also participated in the meeting. Members of the senate discussed various agenda items related to academic and other functions of the institute. Senate gave its approval to some important items such as introduction of the PhD program, starting of a new degree course, School based academic structure etc.



The First Senate Meet in session.

INTERNATIONAL PROTEOMICS SYMPOSIUM

VISHAL JHA

International Proteomics Symposium (IPS-2018) was organized as the first ever scientific symposium at IIT Goa on 22nd Feb 2018. The symposium was conceptualized with the purpose of providing an opportunity to the students and the thriving research community of Goa to witness the state-of-the art in the immensely important field of proteomics research. The half-day symposium had five talks by the international experts in this field. Prof. Sanjeeva Srivastava (IIT Bombay, India) delivered the opening lecture followed by Mr. Bendon Maclean (University of Washington, USA). Three other talks were delivered by Dr. Cristina and Dr. Eva Borras (both from CRG/UPF Barcelona, Spain) and Dr. Nathalie Selvasek (ETH Zürich, Switzerland). Approximately 120 students, research scholars and faculty members from various universities and institutes in Goa such as NIO, NCAOR, Goa university attended the symposium.



Dr. (Name Needed)

3RD GENERATION IIT DIRECTORS MEET

DR. RISHIKESH NARAYAN



Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad m Indian Institute of Technology Goa hosted the IIT Directors Meet of 3rd Generation IITs on 6th April 2018 at the International Centre, Dona Paula, Goa. Directors namely, Prof. Manoj Singh Gaur (IIT Jammu), Prof. P. Seshu (IIT Dharwad), Prof. K.N. Satyanarayana (IIT Tirupati), Prof. Rajat Moona (IIT Bhilai) and Prof. C.V.R. Murty (IIT Jodhpur) participated in this meeting to discuss various administrative and academic issues. Prof. P.B. Sunil Kumar, Director, IIT Palakkad joined the meeting through Skype. Prof. B K Mishra, Director, IIT Goa presided over the meeting.

GOA ATLANTIC COOPERATION PROGRAM

DR. RISHIKESH NARAYAN

The Indian Institute of Technology, Goa signed the letter of Intent with The Campus Mondial de la Mer, CMM, representing the whole community of marine sciences and technology of Western Brittany, France, and the Naval Group to join their efforts to develop the Goa Atlantic cooperation programme (GOAT). The pre-listed partners constituting the GOAT consortium have decided to cooperate in the area of Marine Science and Technology. The partners will define the detailed technical areas of collaboration and for each technical area, the modes of collaboration (bi-lateral exchanges: mobility of BTech and MTech students, mobility of fac-

ulty members; co-supervised PhDs, common research actions, VIP visits, common research laboratory).

LOGO FOR THE GOAT PROG

GOAT COOPERATION PROGRAMME MEET

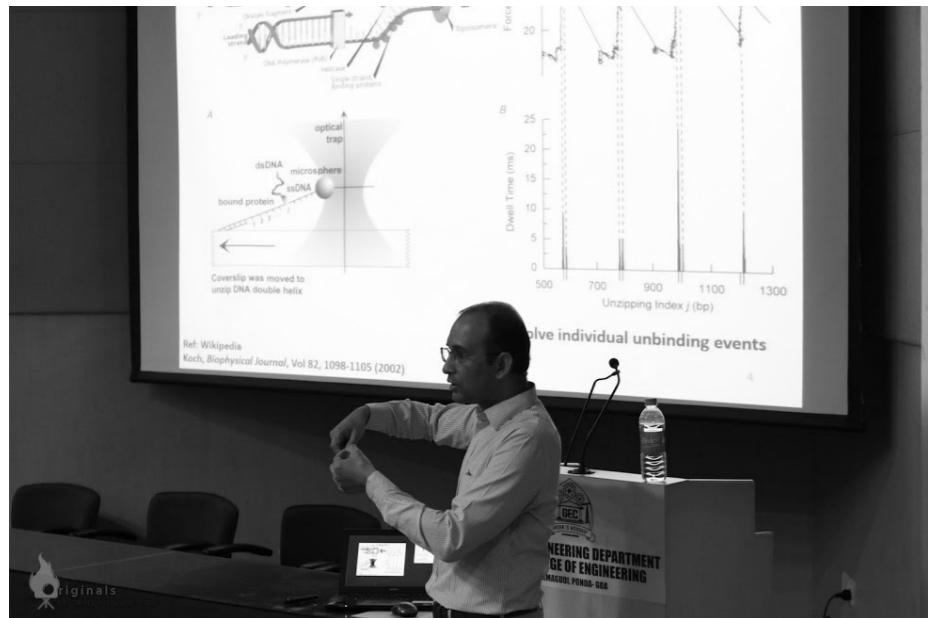
As a follow up of the recent Indo-French "Knowledge Summit" held

in New-Delhi during the visit of President Emmanuel MACRON, a team of French Academicians and researchers from Bretagne (ENSTA, ENIB, ..) visited IIT-Goa. The delegation was received by the Director, Prof BK Mishra. A one day discussion meeting was held between the visitors and the Institute faculty to examine closely convergence of ideas towards identifying proposals for eventual collaborative actions. Short time visits for the faculty, internships for students, visits of research scholars as a part of jointly research themes were looked at as priorities. Some areas of common research interest were identified. The members of delegation visited sites of touristic interest.

FOURTH INTERNATIONAL YOGA DAY



4th International Day of Yoga was celebrated with great enthusiasm by the students, staffs and faculties of IIT Goa on 21st June 2018. The event started with welcome speech by Dr. Sachin Kore, Dean (Student Affairs), followed by Director's address to the participants. Yoga Instructor Mr. Manmohan Sewda, Jr. Assistant, IIT Goa, demonstrated 19 different yoga asanas.



Dr. XYZ, Workshop on Computational Material Science

INSTITUTE LECTURE SERIES

VISHAL JHA & NEHA SHAH

IIT Goa has started a Lecture Series where expert professors from various fields give seminars and impart their knowledge to the students and faculty.

#1 ENERGY OPTIONS FOR FUTURE

The first Institute Lecture Series was held on 29th January 2018. The speaker was Prof. Sharad Bhartiya from the Department of Chemical Engineering, IIT Bombay. He gave a talk about the various energy options for the future. He talked about how the world needs to start using environment-friendly energy sources e.g. Wind, Solar, and Algae, and reduce the dependence on fossil fuels.

#2 MAGIC AND SCIENCE: THE ART OF "ACTIVE" LEARNING AND RESEARCH

The second Institute Lecture Series was held on 12th March 2018. The

speaker was Prof. Anil Kumar from the Department of Chemistry, IIT Bombay. He gave a beautiful talk on Magic and Science: The Art of "ACTIVE" Learning and Research. Through various magic tricks, he demonstrated basic concepts of science and inspired everyone to look for the magic in science. It was a very interactive session with the professors as well as the students trying to figure out the various tricks. This aim of this talk was to get students interested in science and research.

#3 WUNDERBAR! A PRACTICAL GUIDE TO STUDYING IN EUROPE and "THE DIARY OF ANNE FRANK" IN A GLOBAL CONTEXT

The third Institute Lecture Series was organised by the School of Humanities and Social Sciences, IIT Goa. It was held on the 3rd and 5th of April 2018. The speaker was Dr Iwona Gusc, a research fellow at the Institute for contemporary History in Munich, Ger-

many. In the first session, she spoke about the problems students could face while studying in Europe. She spoke about the different programmes that would be helpful and also taught the audience common phrases in German, Dutch and Polish. In the second lecture, she showcased her work on "The Diary of Anne Frank". She talked about Anne's history and explained how Anne would write in her diary after being locked in the torture cells. She spoke about Anne's father, whose aim was to publish her diary after her death. This lecture series broadened the minds of the audience and gave them a feel of the power of literature.

#4 WORKSHOP ON COMPUTATIONAL MATERIAL SCIENCE

The fourth Institute Lecture Series was held on 12th April 2018. It was a half-day workshop on Computational Material Science. It aimed at introducing the students to various research aspects other than the core areas which are being offered at IIT Goa at present. The speaker of the introductory seminar was Prof. Amrita Bhattacharya from the Department of Metallurgical Engineering and Material Science, IIT Bombay. She spoke about computational materials science at an infinitesimal length and time scale. This was then followed by a hands-on session conducted by Prof. Gururajan M from the Department of Metallurgical Engineering and Material Science, IIT Bombay. He demonstrated the use of Octave to visualize and work on crystalline structures of solids. He displayed how such software was used to study the structures and conduct simulations. After a short break Prof. Ajay Panwar from the Department of Metallurgical Engineering and Material Science, IIT Bombay conducted another hands-on session. He introduced the basics of the molecular dynamics simulation method. He demonstrated the use of LAMMPS software for molecular dynamics and the use of VMD software for visualizing the simulations.

WORKSHOP ON IoT

ANSH RAJDEV

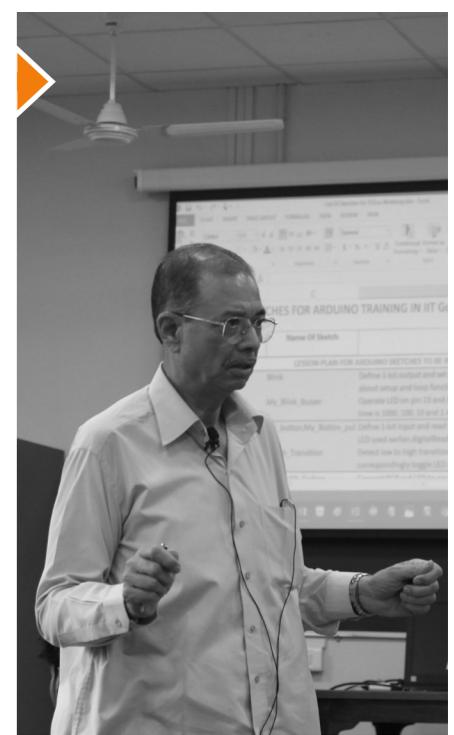
With tremendous development in semiconductor devices and increase in the reach of the internet, Internet of Things (IoT) has emerged to be the next big thing. Keeping up with the recent trends IIT Goa's Student Technical Affairs Body (S.T.A.B.) invited Mr. Prakash Dandekar to give the students a small introduction to the same on 31 March and 1 April.

According to IBM's blogs the Internet of Things is the concept of connecting any device (so long as it has an on/off switch) to the Internet and to other connected devices. The IoT is a giant network of connected things and people – all of which collect and share data about the way they are used and

about the environment around them. The workshop was inaugurated in the presence of our Director Prof. B.K. Mishra, Prof. Rathore, Prof. Prabhugaronkar, Mr. Dandekar and Mr. Inamdar.

The first day of the workshop covered the basics of Arduino Uno and some sensors usually used with it. Second day was about Bluetooth and Wi-Fi connectivity. The workshop ended with a discussion on areas in which IoT can prove to be useful and students were asked to come up with ideas which would help in the development of the country.

It was a fun learning experience for the students.



Mr. Prakash Dandekar explaining the basics of IoT

SMART INDIA HACKATHON 2018



The IIT Goa SIH Team with Dr. B. K. Mishra, Director IIT Goa

ABHISHEK VARGHESE

Smart India Hackathon was organized by the Government of India for students of all premier technical institutes with the purpose of harnessing the creativity and technical expertise of brilliant young minds for national development. The goal was to solve real-life problems of national importance presented by different ministries.

IIT Goa's team consisted of Abhishek Varghese, Avya Bansal, Himali Goel, Ishan Singh, Jarnu Girdhar and Manika Khare. The topic they selected was "Management of Railway Rest houses and Holiday Homes" under the Ministry of Railways. The final round of software edition was held on 30th - 31st March 2018. They had 36 hours to make their proposal come to life.

These 36 hours included one men-

toring round, three judging rounds and one power judging round. In the mentoring round officials from the department of railways gave them tips to modify their design. During the judging rounds, they had to show the progress which they had made and had to incorporate extra points into their proposal which the Ministry demanded.

The eleven best scoring teams under the ministry of railways were selected for the power judging round. In the power judging round, a team would have to show the final demonstration of their software. However, IIT Goa's team did not get selected for the power judging round.

In these 36 hours, they were also addressed by the Prime Minister of India, Mr. Narendra Modi and also by Mr. Prakash Jaydekar, via live video conference which was held on all Nodal centers throughout India.

Overall they had an incredible experience. They learned many new things and got an opportunity to see new and amazing creative technology.

The team would especially like to thank Dr. Rishikesh Narayan and Mr. Amol Kamble for all the help and support given to them during their journey.

INDIAN YOUTH DELEGATION TO NEPAL



You can find Revanth Sharma in the bottom right corner :-)

REVANTH K. SHARMA

Youth Delegation programs between 2 countries is a diplomatic exchange, where youth from one country travel to the other country to learn more about the country. It is co-organized by the governments of both the countries, and it aims to promote youth interaction and cultural exchange between

cil, and other organizations.

I was selected from IIT Goa for this delegation programme. The tour took place from 3rd April to 12th April 2018. The delegation visited many places in Nepal such as Nagarkot, Lumbini, Chitwan National Park, Devi's falls, and the world-famous Pashupatinath Temple.

I cannot possibly end this without mentioning all the great people who were part of this great success story. All the representatives from Ministry of Youth Affairs and Sports, India, The Indian Embassy, Nepal, and other "caretakers" were always supportive. Not to mention the officials from the Ministry of Youth and Sports, Nepal, and the National Youth Council, who were cheerful from the beginning. And of course, I would like to thank all the fellow delegates for letting me have such a great time. Shout out to the Ministry of Youth Affairs and Sports, India, and MoYS, Nepal as well, without which something as big and amazing as this would not be possible.



Ms. Sonia Shirsat

SPIC MACAY EVENT

VISHAL JHA

On 20th March 2018, IIT Goa organised a SPIC MACAY Event. It was co-hosted by NIT Goa and GEC. SPIC MACAY (Society for Promotion of Indian Classical Music and Culture Amongst Youth) is a nationwide voluntary movement that organises programmes of classical music and dance, folk arts, crafts, yoga, classic cinema screenings, heritage walks, etc. inside school and college campuses throughout the world to make students aware about Indian and world heritage. The event was graced by the presence of Prof. BK Mishra (Director, IIT Goa), and Dr. Vinayak

Shet (Principal, GEC).

Performing at the event was Ms. Sonia Shirsat and her team. She is a renowned Fado singer. On that day everyone present understood why she is called "the ambassador of Goan Music to the world". She mesmerized everyone with her beautiful voice. Even though the audience was not familiar with Fado or even Portuguese, they seemed to understand all that was being said in her magnificent songs about love and life. Her enchanting performance left everyone wanting for more. On demand from the audience, she also sang "My Heart will go on" from the movie, Titanic.

RECENT FACULTY APPOINTMENTS

S. No.	NAME	DESIGNATION	SCHOOL
1.	Dr. Amit Kumar Dutta	Assistant Professor	School of Electrical Sciences
2.	Dr. Bidhan Pramanick	Assistant Professor	School of Electrical Sciences
3.	Dr. Kuntal Deka	Assistant Professor	School of Electrical Sciences
4.	Dr. Neelakandan Rajamohan	Assistant Professor	School of Electrical Sciences
5.	Dr. Sashidhar Sampathirao	Assistant Professor	School of Electrical Sciences
6.	Dr. Shakthi Prasad D	Assistant Professor	School of Electrical Sciences
7.	Dr. Sheron Figarado	Assistant Professor	School of Electrical Sciences
8.	Dr. Sujit Kumar Sahoo	Assistant Professor	School of Electrical Sciences
9.	Dr. Sabiha Hashami	Assistant Professor	School of Humanities and Social Sciences
10.	Dr. Sunil Paul	Assistant Professor	School of Humanities and Social Sciences
11.	Dr. Clint Pazhayidam George	Assistant Professor	School of Mathematics & Computer Science
12.	Dr. Dhanya Rajendran	Assistant Professor	School of Mathematics & Computer Science
13.	Dr. Sharad Sinha	Assistant Professor	School of Mathematics & Computer Science
14.	Dr. Shweta Jain	Assistant Professor	School of Mathematics & Computer Science
15.	Dr. Anirudha Ambekar	Assistant Professor	School of Mechanical Sciences
16.	Dr. Arindam Das	Assistant Professor	School of Mechanical Sciences
17.	Dr. Ashish Bhateja	Assistant Professor	School of Mechanical Sciences
18.	Dr. Ponnulakshmi VK	Assistant Professor	School of Mechanical Sciences
19.	Dr. Rudra Narayan Roy	Assistant Professor	School of Mechanical Sciences
20.	Dr. Sachin Dnyandeo Kore	Assistant Professor	School of Mechanical Sciences
21.	Dr. Sudhakar Yogaraj	Assistant Professor	School of Mechanical Sciences
22.	Dr. Thaseem Thajudeen	Assistant Professor	School of Mechanical Sciences
23.	Dr. Santosh Kumar	Assistant Professor	School of Physical Sciences
24.	Dr. Santosh Kumar Das	Assistant Professor	School of Physical Sciences
25.	Dr. Sudipta Kanungo	Assistant Professor	School of Physical Sciences
26.	Dr. Vaibhav Wasnik	Assistant Professor	School of Physical Sciences

RECENT PUBLICATIONS

STUDENT BODY ELECTIONS (2018-2019)-THE VOICE OF STUDENTS

HIMANSHU SINGHAL

On 8th April 2018, the Election Committee of Indian Institute of Technology, Goa successfully conducted elections for the Student Council for the academic year 2018-2019.

The responsibility for conducting this election was given to Mr. Abhishek Varghese by Dr. Nandakumar Nam bath and Dr. Rishikesh Narayan (members of Election Committee). Mr. Abhishek Varghese and Mr. Shivam Pandey developed a software for making this election digital. The elections were conducted in the institute's CS lab in the presence of Dr. Rishikesh Narayan.

This time there were a total of 17 posts vacant and a total of 35 candidates contested. Around 93% of students cast their vote. All the candidates had to submit their agenda. A day before the elections all the candidates participated in the soapbox where they had to convince the audience to vote for them. The candidates also interacted with their opponents and questioned them about their agendas.

List of Selected Candidates		
Sr. No.	Position	Name
1.	General Secretary Academics	Prabal Bhatnagar
2.	Branch Representative CSE	Gaurav Ganna
3.	Branch Representative EE	Sajal Yadav
4.	Branch Representative ME	Aryendra Singh
5.	Seminar Secretary	Abhinav Kumar
6.	General Secretary Sports	Apoorva Ulap
7.	Secretary Indoor Games	Himanshu Singhal
8.	Outdoor Games(FV)	Animesh Sharma
9.	Outdoor Games(CAB)	Sameehan Deodhar
10.	General Secretary Hostel	Himanshu Sharma
11.	Mess Secretary	Piyush Doke
12.	Maintenance Secretary	Vishrut Maheshwari
13.	Medical Representative	Vasant B
14.	General Secretary STAB	Ansh Rajdev
15.	General Secretary Culture	Abhay Kajaniya
16.	Secretary Literary	Mahipal Rathore
17.	Secretary Arts	Harshil Choudhary
18.	Hostel Secretary for Girls	Shivangi Sharma



Sandesh Maurya lorem ipsum etc.

CRYPTATHON

VISHAL JHA

Cryptathon is the annual Treasure Hunt event of IIT Goa. This event was initiated by Abhishek Varghese and Vikas Bansal. This year's organizers were Abhishek Varghese, Gaurav Ganna, Jarnu Girdhar and Jatin Johri. The game involves ten teams battling their brains out on the campus to find clues and solve riddles to get to the prize first. The theme of this year was "Using the Technology Around Us". There were two prizes this year.

The Scavenger Trophy was given to the team scoring the highest no. of points. This was bagged by Vishal

Jha, Shikha Verma, Saurabh Singh and Mohd. Saquib Khan.

The Championship Trophy was given to the team who completed the game first. This was bagged by Ansh Rajdev, Revanth Sharma, Nithin Adidela, John Leo and Sandeep Korrapati.

The game demanded intellectual, cognitive and athletic skills from the players. Cryptathon will come again next year and the organizers hope to increase the participants by including players from different colleges within the campus as well.

FLOCK-2018



Flock Organisers

RAHUL KAHYAP

FLOCK was IIT GOA's first fest which was organized by the students. It was held from 19th January to 21st January. The main event organizer was Pallav Mathur. The events consisted of sports tournaments, fun indoor games, and gaming competitions. The Talent Show was held on the night of the final day.

The Talent Show showcased many hidden talents among the students and revealed the singers, dancers, comedians, poets, and cubers within them. The appreciative audience and the talented participants made the Talent Show memorable.

The best part about this fest was that it had brought everyone together. All the students got a relaxing break from their daily routine. Not only the students but even the faculty showed support for this event. Prof. Rishikesh Narayan (Coordinator Students Affairs) and Dr. Appaji(Sports Faculty) gave great support towards this project. FLOCK was met with great appreciation and brought the entire IIT GOA family closer.

QUIZ AND DEBATE COMPETITIONS, 2018

HIMALI GOEL

The quiz competition, STIMULATE, was held on 17 March 2018. The competition was organized and hosted by Ms. Gunjan Goyal and Mr. Ansh Rajdev. The first round was an MCQ round with questions based on Indian history and culture. The qualifying teams participated in the quiz round which was extremely entertaining and engaging not only for the participants but also for the audience present.

The winning team was awarded a handsome cash prize of Rs 2000 and the runner-up received Rs 1000.

The Debate Competition was held on 18 March 2018 and organized by Ms. Himali Goel (Debate Secretary) and Mr. Abhay Kajania. The motion before the house, 'Is cultural integration important in modern India', triggered a heated discussion amongst the participating teams.



A Caption goes here

REPUBLIC DAY

VISHAL JHA

IIT Goa celebrated the nation's 69th Republic Day with great zeal and enthusiasm. The ceremony began at 9 am with the Director of IIT Goa, Prof. B.K. Mishra, unfurling the flag along with Dr. B.B. Appaji, the Senior Sports Officer of IIT Goa and Prof. Rodney A. Fernandes, Dean of Academic Affairs. The students and staff members then proceeded to proudly sing the National Anthem which was led by a choir of students. The host Mr. Vishal Jha requested the Director to address the crowd and impart his insights on the special occasion.

The event commenced on a beautiful note with poems and speeches by Mr. Ashish Kumar, Mr. Pallav Mathur and Mr. Shivam Kumar. This was followed by a patriotic song by Mr. Shivam Pandey and his band. Their song filled everyone with a sense of pride and love for our nation. The Dramatics Club put up a spectacular play which made us all realize that we have not yet achieved what our freedom fighters dreamt for – a united India – where everybody lives in peace and harmony. This play, written by Mr. Ashish Kumar and directed by Mr. Abhay Kajania



Sandesh Maurya lorem ipsum etc. giving the vote of thanks.

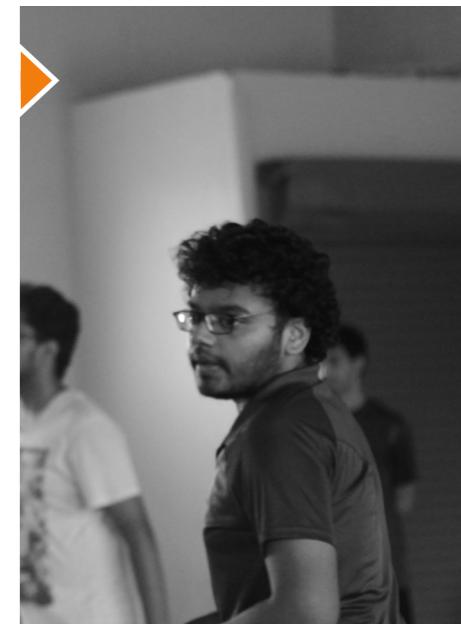
Although we are all proud Indians, the Republic Day for most of us is reduced to organizing a small function filled with cultural programs without actually realizing the importance of this day for India and its formation as an independent republic. Therefore, let's take a pledge this year to not only celebrate these events, but to also work together to make our country a better place and carry forward the legacy which our forefathers bestowed upon us.

AAVAHAN-2018

SATYENDRA

Aavhan is the annual sports festival of IITBombay, that is conducted every year during the spring semester. It was organized from 29th March to 1st April in the year 2018. It included many sports ranging from outdoor sports like cricket and football to indoor sports like chess and badminton. Our college participated in this Inter Collegiate event in three sports, namely, Badminton, Table Tennis, Cricket.

The Men's Badminton team, lead by Shivam Pandey, performed well in the event by registering a win for IIT Goa.



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PHOTOGRAPHY: Originals-IIT Goa



A cricket tournament CRIC-VERSE was organised at IIT Goa on 24th and 25th march in which nearly 75 students participated. The event saw 6 teams participating which was further divided into 2 pools of 3. Each team was created by its franchise, where each franchise had 4-5 members with members not being allowed to play. An auction was held where the franchises bought players from a fixed amount which was given to them initially to form their team. There was a mandatory rule that each franchise should have a girl in their team. Each team consisted of 8 players. Both the bidder and the players were required to pay 15/- as an entry fee for the tournament.

The total prize money for the winning team was 750/- and 250/- for the runner-up, 50/- each were given to man of the tournament and female of the tournament. Tournament was played in 3 stages - the league stage, the qualifiers and the final. League stage games were the shortest with innings of 6 overs, qualifiers had 8 over innings and the final was longest with 10 overs per innings. All the games had a mandatory rule that exactly one over should be bowled by a girl and the girl from the opposition team must

A Caption goes here
face her. There were many interesting matches, specially the two cliff-hangers which involved a last ball six to win a match and chasing 18 runs in the last over to win the other. The tournament was won by Team Pallav captained by Abhish Kumar beating Team Saurabh in the finals. Man of the tournament was awarded to Harsh Dubey and Female of the tournament was awarded to Gauri Birhare for their extraordinary performance throughout the tournament.



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SPREE-2018

SATYENDRA

Spree is the annual sports festival of BITS Pilani K. K. Birla Goa Campus. It was organized from 23rd March to 25th March in the year 2018. Our college participated in this Inter Collegiate event in four sports, namely, Badminton, Table Tennis, Football and Volleyball. The Men's Badminton team was lead by Rahul Kashyap, played very well and in a pool of 5 teams, the badminton team managed to win 2 matches. The Women's Badminton team, lead by Ms. Avya Ban-

sal, proved themselves by winning a match in their first day. The Table Tennis team, lead by Ishan Gupta, fought fiercely and received valuable experience for future events. The football team, lead by Apoorv Uplap, also gave their best but came up short. This was the first appearance of our Volleyball team, lead by Gaurav Dahiyा, in any inter-college event. Even in their first event, they played very well. It was a very entertaining event. Our participants gave their best and received a considerable experience for future.