



GURUKUL VĀRTĀ

IIT GOA NEWSLETTER, Volume:-1, Issue:-1

OCTOBER, 2017

EDITOR IN CHIEF

NEHA SHAH

HINDI TRANSLATION

ASHISH KUMAR

CONTRIBUTORS

ABHISHEK VARGHESE

ANSH RAJDEV

ASHISH KUMAR

HIMALI GOEL

REVANTH SHARMA K

SAHAJ JAIN

VISHAL JHA

DESIGN

SAHAJ JAIN

FACULTY ADVISORS

Dr. APPAJI BOPPANDA B

Dr. BRIJESH ESPHUNIYANI

Dr. T.S. RATHORE

Dr. RISHIKESH NARAYAN

PHOTOGRAPHY

ORIGINALS-
IITGOA



FOUNDING DIRECTOR TAKES CHARGE

Himali Goel

Prof. Barada Kanta Mishra was appointed the Founding Director of the recently established IIT Goa on January 7, 2017, by the then President Shri Pranab Mukherjee. Before taking up this position, he was Director of CSIR-IMMT Bhubaneswar and prior to that he was a Professor at IIT Kanpur.

Having graduated in Metallurgical Engineering from NIT Rourkela, Prof. B.K. Mishra completed his PhD and Post Doctorate work from the University of Utah. He is distinguished for his profound involvement in his field--he holds over 200 published SCI journal papers and 5 US patents to his credit. He is a recipient of the National Mineral Award and a Fellow of Indian National Academy of Engineering.

Notably accomplished and experienced in teaching and research, Prof B.K. Mishra's vision is to establish an institute of international repute where everyone would thrive to achieve excellence in teaching and research while remaining relevant in an ever-changing world. With the intention of bringing out the best in the students, Prof B.K. Mishra has taken charge of IIT Goa and has begun the journey toward his goal.

JOURNEY SO FAR



Inauguration Of IIT Goa

Ansh Rajdev

The Indian Institute of Technology Goa was inaugurated on July 30, 2016, by the auspicious hands of Union HRD minister Mr. Prakash Javadekar, former defence Minister and current CM of Goa state Mr. Manohar Parrikar and ex CM of Goa Mr. Laxmikant Parsekar.



•Inaugration of IIT Goa

Speaking after inaugurating the temporary campus for IIT Goa at GEC Farmagudi, Ponda, Union HRD Minister stated that IITs are recognised the world over as premier institutes of academic excellence. He also stated that the Ministry is working towards increasing the perception of IITs so that IITs are ranked amongst the top in world rankings. He also congratulated the students who made into the IITs and described them as the cream of the country. The Minister also promised that the permanent campus at Loliem will be completed within thousand days. The Minister emphasised on In-

novation, Make in India, and promised that Government will extend all support in making IITs as Start Up hubs. Also speaking on the occasion, Union Defence Minister Shri Manohar Parrikar, told that the summer internship programme of IIT students can be conducted at various defence research establishments and will add value to their curriculum. He also mentioned about a programme in which scientists from DRDO will act as visiting faculty members to various IITs. The proposed campus for NIT Goa will be established at Cuncolim removing all the bottlenecks.

Deputy Chief Minister, Mr. Francis D'Souza, PWD Minister Shri Ramakrishna Dhavalikar, MP South Goa Shri Narendra Sawaikar and Prof. Devang Khakhar, Director, IIT Bombay also graced the occasion.

Fresher's Night And Inauguration Of IIT Alumni - Goa Chapter

Revant Sharma K

Headed by Mr. Dinar Bhatkar, a fresher's night was organized in the second week of August, which also served as the inauguration for their Alumni Association's Goa chapter.

After a briefing from Mr. Bhatkar and our Dean Dr. Sharad Bhartiya, the event started. We had a talent show from our students, displaying various cultural and technical skills. An inter-department competition was organized, in which the students of the 3 departments

JOURNEY SO FAR

showcased their group performances. It was attended by various Alumni members and professors.

After that, various members of the Alumni association talked about their days in IITs, and about their different professions. They were glad to have a discussion about how their lives were impacted by their colleges.



•FRESHERS NIGHT-2016

Sports

Sahaj Jain

With great zeal and enthusiasm, Dr. Appaji Bopanda, a senior sports authority from IIT-Bombay initiated daily NSO (National Sports Organization) meetings which not only train students in various sports and physical activities but also helps them improve their physical health and provides an active lifestyle. In this spirit, by the end of the first semester, the students were able to assemble a cricket and a football team, which participated in various sports competition throughout the year.



•Students playing cricket

The Institute participated in various sports events such as Inter IIT Sports Meets, 2016, Spree-BITS GOA, 2017 and Aavhan-IIT-Bombay, 2017. IIT GOA won a bronze medal for March Past and was ranked 13th (out of 23 participating IITs) in the Inter IIT Sports Meet, which was heralded as a remarkable achievement for a new IIT by various sports authorities.



•TEAM IIT Goa, INTER IIT SPORTS MEET, 2016

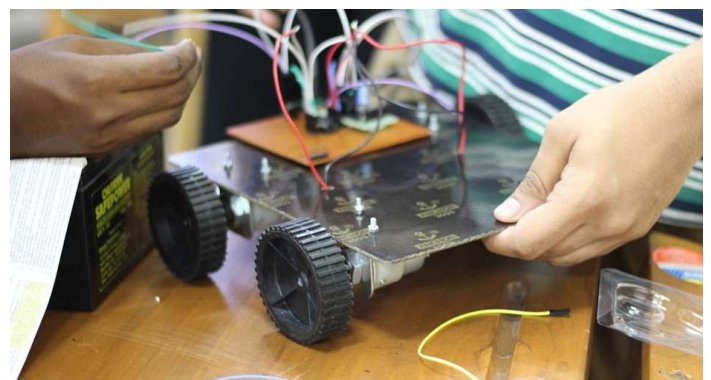
“Hackathon” Conducted

Revant Sharma K

On April 2nd-3rd, 2017, a “hackathon” was conducted for the students of IIT Goa. The inauguration ceremony was graced by Prof. B. K. Mishra, Prof. Sharad Bhartiya, Mr. Dinar Bhatkar and Mr. Shekhar Inamdar. The hackathon itself was planned and conducted by 4 mentors from IIT Bombay.

45 students (9 groups of five) participated on the first day. The mentors gave a basic insight into the world of robotics, both theoretical and practical. They started to work at 2 pm, and by 11:30 pm, each team had a Bluetooth-controlled robot, which was controlled via an Android app.

On the second day, students got to see the insides of various gadgets, as they were sacrificed by the mentors for our curiosity.



•A bot made by the Institute students in “Hackathon”

JOURNEY SO FAR

ITSP 2017

Sahaj Jain

Every summer, the Students Technical Activities Body (STAB), IIT-B helps students transform their ideas into technical projects through Institute Technical Summer Projects (ITSP). In the Summer of 2017, IIT Goa sent two teams of four each to IIT-Bombay to participate in ITSP, the first of which constructed an X-type quadcopter and the second, a robotic manipulator. According to Prabal Bhatnagar, a participant for ITSP, it not only provided valuable hands-on experience but also great exposure to various high-technology subjects and projects [sic].

The IIT-GOA ITSP-2017 projects can be found here:

X-Type Quadcopter: https://github.com/AbhishekVarghese/Flight_Control_ardquad.git

Robotic Manipulator: <https://drive.google.com/drive/folders/0B-YkaEDSLb-jVWpPZmpQVi1INFE?usp=sharing>



•Quad Squad-ITSP team from IIT Goa

Dean Of Academic Affairs

Abhishek Varghese

The Indian Institute of Technology Goa started functioning from the year 2016. During the first year, Dr. Sharad Bhartiya served as Dean Of Academic Affairs for the Institute. He also worked as a professor in the department of Chemical Engineering, IIT Bombay. He served the institute as the Dean for one year before handing over the post to Prof. Rodney Fernandes, a professor at IIT Bombay.



•Dr. Sharad Bhartiya, Former Dean of Academic Affairs IIT Goa

Dr Rodney Fernandes took over as the permanent Dean Of Academic Affairs in August 2017. His qualifications include - PhD in Organic Chemistry, NCL Pune/ Pune University (January 2003), NET, CSIR National Eligi-



•Dr. Rodney. A. Fernandes, Dean of Academic Affairs, IIT Goa

bility Test for Research and Lecturership (June 1997). He has done post- doctoral research in Tohoku University Japan. He has been working as a Professor in IIT Bombay since 2015. Previously, he was a Lecturer at Goa Engineering College which currently shares its campus with IIT Goa. During the first year, he had also taken classes for a semester at our Institute. Being among the top new institutes in India, he will take Indian Institute of Technology Goa to greater heights.

Foundation Day And Logo Unveiling



•Foundation Day/Logo Unveiling

Vishal Jha

IIT Goa celebrated its 1st year of existence on 30th July, 2017. It was on this day an year ago that the foundation stone for IIT Goa boys' Hostel was laid down by Hon'ble HRD Minister Mr. Prakash Javadekar in presence of other high dignitaries including the then Hon'ble Defence Minister Mr. Manohar Parikar and Mr. Laxmikant Parsekar, the then Hon'ble Chief Minister of Goa. On this special occasion, we had as our Chief guest, Mr.

Dinar Bhatkar and as our Guest of Honour, Mr. Chandrashekhar Inamdar. Both of them are IIT Bombay graduates and have been actively involved with IIT Goa. Their enlightening words inspired everyone to break the propensity of 'status quo' and work hard towards making IIT Goa one of the best institutes of our country.

What made this day even more special was the unveiling of IIT Goa's official Logo. The Logo was unveiled by Mr. Dinar Bhatkar. It was designed by Mr. Pranoy Das, an IISER Kolkata student, with inputs from the Director of IIT Goa, Prof. B.K. Mishra. The Logo connotes symbolically the following: The chords in the outer circle of the logo share resemblance to the sloping roof structures which are a common sight in Goa ever since the Portuguese times. The open book placed on a pedestal indicates the immense knowledge being imparted in the institution and the flame represents the eternally burning desire to learn. The logo is thus a masterpiece that incorporates the ideals the institute stands for along with a cultural link to the place where it stands.

Recent Faculty Appointments



Dr. Nandakumar Nambath
(Assistant Professor)
Department of Electrical Engineering
Appointed as Warden, Students Hostels
Research Interests: High Speed Analog Circuits, VLSI for Communication, Adaptive Algorithms for Optical Communication Systems



Dr. E. Siva Subramaniam Iyer
(Assistant Professor)
Department of Chemistry
Appointed as Coordinator, Faculty Affairs.
Research Interests: Physical Chemistry, Time resolved Spectroscopy



Dr. Brijesh Eshpuniyani
(Associate Professor)
Department of Mechanical Engineering
Appointed as Coordinator, Students' Affairs
Research Interests: Fluid Mechanics (Turbulence, High Speed Aerodynamics (Continuum / Rarefied), Biofluid Mechanics).



Dr. Rishikesh Narayan
(Assistant Professor)
Department of Chemistry
Appointed as Faculty advisor, Cultural Affairs
Research Interests: Synthetic Organic Chemistry, Enantioselective Catalysis and Medicinal Chemistry



Dr. Amaldev Manuel
(Visiting Assistant Faculty)
Appointed as Faculty advisor, Technical Events
Department of Computer Science and Engineering
Research Interests: Logic, Automata, Algebra and Games



Dr. Sreejith A V
(Assistant Professor)
Department of Computer Science and Engineering
Research Interests: Theoretical computer science, Automata theory, Complexity, Algorithms, Logic

FACILITIES AT IIT GOA

Neha Shah

In the first year, IIT Goa has also set up various facilities for the students. In academic facilities, the Institute started out with Physics and Chemistry laboratories. It has also recently set up an Electronic Devices laboratory. For cultural development, IIT Goa has built a separate music room and has transformed one of the common rooms into a dance room. In the sports department, the Institute has set up the other common room as a Recreation Room, where students can play Chess, Carrom or Table Tennis.



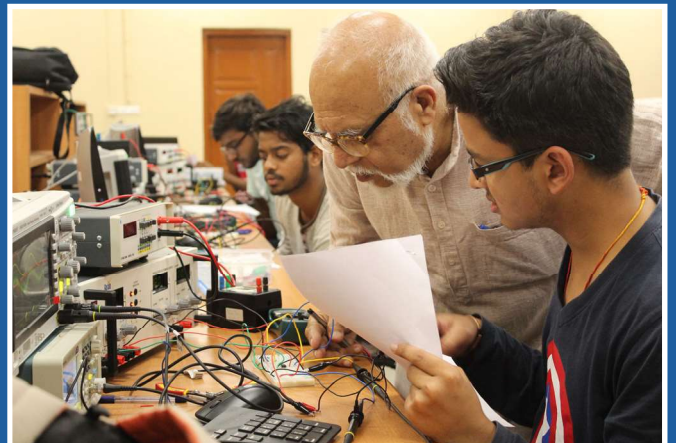
COMPUTER LABORATORY



PHYSICS LABORATORY



CHEMISTRY LABORATORY



ELECTRONICS LABORATORY



RECREATION ROOM



MUSIC ROOM



Himali Goel

IIT Goa, established in the year 2016, held its first Freshers' Party--Fresco Fiesta, on August 13, 2017 to welcome its new batch of students with immense zeal and glee. The event, organized by the 2016 batch along with encouraging support from the institute, witnessed an inter-department competition among the students of the 2017 batch. The students diligently prepared their performances and put up a marvelous show. Amazing dance and band performances, magnificent plays and remarkable stand-up comedy, was presented before the audience. The show was quite upbeat and immensely cherished by all present at the event. The night ended with the judges, Prof Abhiram Ranade and his wife Mrs. Hemala Ranade, presenting the trophy to the rightful winners of the competition, Electrical Dept., Batch 2017.



INDEPENDENCE DAY



•Students taking the New India Pledge (Sankalp Se Siddhi), 9th August, 2017

Neha Shah

IIT Goa celebrated the Nation's 70th Independence day with great zeal and enthusiasm. The ceremony began at 9 am, with the Director of IIT Goa, Dr. B.K. Mishra, unfurling the flag along with Dr. B.B. Appaji, the Senior Sports Officer of IIT Goa. The students and staff members then proceeded to proudly sing the National Anthem.

The audience gathered at the Old Library Hall for the function. The hosts Ms. Himali Goel and Mr. Vishal Jha requested the Director to address the crowd and impart his wisdom on the special occasion. Ms. Gunjan Goyal mesmerized everyone present with a beautiful patriotic song, in the memory of all the lives laid down for this country. This was followed by a patriotic song by Mr. Shivam Pandey and Mr. Shreyash Tripathi. Their song filled everyone with a sense of pride and love for our country. Then came the turn of the Dramatics Club. They put up a spectacular play on the theme 'Unity in Diversity'. The play made us all realize that we have not yet achieved what our freedom fighters dreamt of, a united India, where everybody lives in peace and harmony. This play, written by Mr. Ashish Kumar and directed by Mr. Abhay Kajaniya inspired us all to work together to make India a better place. The Dance club members, led by Mr. Ishan Singhal put up an amazing performance which further enhanced the spirit of patriotism. The program concluded with Dr. B.B. Appaji giving the vote of thanks. In all, it was a great show and all the participants did a tremendous job in making it a success.