

# Convocation 2018

## K K Birla Goa Campus



**BITS Pilani**

Pilani | Dubai | Goa | Hyderabad

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# BITS Vision

*“What do we propose to do here? We want to teach real science whether it is engineering, chemistry, humanities, physics or any other branch. We want to develop a scientific approach in Pilani, which means there would be no dogma. There will be a search for truth. What we propose to do here is to cultivate a scientific mind.”*



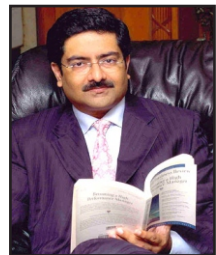
*--The Late Shri G. D. Birla  
Founder Chairman, BITS Pilani.*



*“....to prepare young men and women to act as leaders for the promotion of the economic and industrial development of the country and to play a creative role in service to humanity.”*

*--The Late Dr. K. K. Birla  
Former Chancellor, BITS Pilani.*

*“What is it that can empower our nation? The most obvious answer is education. Education that enhances livelihoods but also education that is value-based. Education that gives roots and gives wings as well.”*



*--Dr. Kumar Mangalam Birla  
Chancellor, BITS Pilani*

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**MINUTE TO MINUTE PROGRAMME OF CONVOCATION 2018**  
**5<sup>th</sup> August 2018**

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10:15 AM	Assembly of Members of the Senate in the lobby space of the Auditorium and wearing robes
10:22 AM	Wearing of robes by Vice chancellor and others
10:25 AM	Recitation of shlokas in the Auditorium
10:25 AM	Academic procession proceeds in columns of two to the Convocation Hall led by the Registrar. <i>When the procession enters the Convocation Hall, all assembled will rise in their seats, &amp; remain standing until the members forming the procession have taken their seats on the stage/front row</i>
10:30 AM	Invocation
10:32 AM	Registrar requests the Vice-Chancellor to declare the Convocation open. Vice-Chancellor declares Convocation open
10:38 AM	Vice Chancellor welcomes all and presents report on activities of the Institute
10:53 AM	Report by Prof. G. Raghurama, Director, K K Birla Goa Campus Announcement of Distinguished Alumnus Awards of BITS Pilani for the year 2018 by Prof. G. Raghurama, Director, K K Birla Goa Campus
11:10 AM	Presentation of Degrees by Vice-Chancellor: Registrar presents the candidates who have qualified for the award of various Degrees. <i>{All the candidates will rise in their seats &amp; keep standing until the citation is read by the Vice-Chancellor}</i>
11:13 AM	Award of Degree Certificates by Vice Chancellor and Director
12:15 PM	Presentation of Medals by the Vice Chancellor
12:25 PM	Administration of Oath to the recipients of various Degrees by the Gold Medalist. <i>The Gold medalist Mr. Amit Agarwal will lead the Oath. Recipients of Degrees will stand &amp; repeat the oath word by word</i>
12:28 PM	Vote of Thanks by Prof. D M Kulkarni, Dean Administration
12:31 PM	The Convocation is dissolved by the Vice-Chancellor
12:32 PM	National Anthem. <i>{All assembled will rise &amp; stand while the National Anthem is played, &amp; remain standing till the procession completely leaves the Hall}</i>
12:35 PM	Academic procession departs
12:45 PM	Lunch

# MEMBERS OF THE BOARD OF GOVERNORS

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**Dr. Kumar Mangalam Birla**

Chancellor

**Smt. Shobhana Bhartia**

Pro-Chancellor

**Prof. Souvik Bhattacharyya**

Vice-Chancellor

**Shri B.K. Birla**

**Shri Sidharth Birla**

**Smt. Manjushree Khaitan**

**Prof. Rajive Kumar**

**Shri R. Subrahmanyam**

**Shri. Akshay Poddar**

**Prof. Ashoke K Sarkar**

**Shri. D. Bhattacharya**

**Shri Hemant Kumar**

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(Acting Registrar), Non-member  
Secretary

## SENATE MEMBERS

### Chairman

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Vice-Chancellor

### Vice-Chairman

Prof. Ashoke Kumar Sarkar

Director, Pilani Campus

### Secretary

Prof. S.C. Sivasubramanian, Acting Registrar

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Prof. G. Raghurama, K K Birla Goa Campus

Prof. G. Sundar Hyderabad Campus &  
Off-Campus Programmes & Industry Engagement

## **DEANS**

### **University Wide**

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Prof. Ajit Pratap Singh (AUGS)

Prof. S. Gurunarayanan (PSD)

Prof. S. Balasubramaniam (WILPD)

#### **K.K. Birla Goa Campus**

Prof. Sunil Kumar Bhand (SRCD)

Prof. Srinivas Krishnaswamy (AGSR)

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Prof. Souri Banerjee (FAD)

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Prof. Sanjay Kumar Verma (Administration)

##### **Dubai Campus**

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Prof. B. Muralidharan (PSD)

Prof. Ramadoss Roop Kumar (FAD)

Prof. Thoppil George Thomas (Admissions)

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Prof. Dhananjay M Kulkarni (Administration)

##### ***Hyderabad Campus***

Prof. Niranjan Swain (Administration)

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Prof. Anshuman Dalvi (FAD)

Prof. Srikanta Routroy (ID)

Prof. Hemant Ramanlal Jadhav (SRCD & ARD)

Prof. Kumar Neeraj Sachdev (SWD)

Prof. Anil Kumar (WILPD)

Prof. P. Srinivasan (PSD)

Prof. Dalip Kumar (IRPD)

Prof. K. Venkata subramanian (WILPD)

Prof. Hitesh Datt Mathur (ARPD)

### **Off-Campus Centre**

Prof. S. Sindhu (PSD), Bangalore

Prof. G. Venkiteswaran (WILPD), Chennai

### **Dubai Campus**

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Prof. Kumar Karuppusamy (ID)

Prof. R. Anand Kumar (ARPD)

Prof. Neeru Sood (ARD)

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Prof. Sampatrao D. Manjare (Admissions)

Prof. Ranjan Dey (ARP)

Dr. C.K. Ramesha (SWD)

Prof. Neena Goveas (ARCD)

Prof. Sutapa Roy Ramanan (FAD)

Prof. Aditya Prasad Koley (ID)

Prof. Raghunath A. Ratabole (WILPD)

Prof. Meenal Kowshik (SRCD)

Prof. Bharat M. Deshpande (ARD)

Prof. Narandra Nath Ghosh (IPCD)

### **Hyderabad Campus**

Prof. Bivudutta Mishra (IPCD)

Prof. Punna Rao Ravi (WILPD)

Prof. Sandip Shridharrao Deshmukh (SWD)

Prof. Morapakala Srinivas (ARCD)

Prof. P. Sankar Ganesh (PSD)

Prof. P.K. Thiruvikraman (ARPD)

Prof. Chittaranjan Hota (Admissions)

Prof. A. Vasani (ID)

Prof. Vidya Rajesh (Faculty Affairs)

Prof. Anupam Bhattacharya (SRCD)

## **PROFESSORS (PROF)**

### **Pilani Campus**

Prof. Debashish Bandyopadhyay

Prof. Janardan Prasad Misra

Prof. Surekha Bhanot

Prof. Sudeept Mohan

Prof. Anil Kumar Bhat

Prof. Bandi Venkata Prasad

Prof. V.K. Chaubey

Prof. N.V. Muralidhar Rao

Prof. Mani Sankar Dasgupta

Prof. Ram Kinkar Roy

Prof. Ashis Kumar Das

Prof. Subit Kumar Saha

Prof. Navneet Goyal

Prof. Kuldip Singh Sangwan

Prof. Anu Gupta

Prof. Chandra Shekhar (Sr. Prof. Emeritus)

Prof. Chandra Bhan Gupta

Prof. Shamsheer Bahadur Singh

Prof. Rajiv Gupta (Sr. PROF)

Prof. R., K. Mittal (Sr. PROF)

Prof. Rajiv Kumar  
Prof. Rashmi Ranjan Mishra

Prof. R.N. Saha (Sr. PROF)  
Prof. Rahul Banerjee

### **Dubai Campus**

Prof. Karthiyayini Sridharan  
Prof. Periasamy Chinnapalaniandi  
Prof. Sangili Vadivel  
Prof. Vijayakumar Balakrishnan

Prof. Krishna Kumar Singh  
Prof. Udayakumar Rajamanickam  
Prof. Adhir Baran Chattopadhyay

### **K.K. Birla Goa Campus**

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Prof. Dipankar Pal  
Prof. Utpal Roy  
Prof. Pravin M. Singru  
Prof. Dibakar Chakraborty

Prof. Mukund Keshavrao Deshmukh  
Prof. Santonu Sarkar  
Prof. Patincharath Nandakumar  
Prof. Bhavana P  
Prof. Vijayashree Nayak

### **Hyderabad Campus**

Prof. N. Rajesh  
Prof. P.N.K. Rao

Prof. P.N.K. Rao  
Prof. Addepalli Ramu

## **ASSOCIATE PROFESSORS (ASOP)**

### **Pilani Campus**

Prof. Anshuman  
Prof. Rakesh Choubisa  
Prof. Sanjiv Kumar Choudhary  
Prof. P.R. Deepa  
Prof. Devika  
Prof. A.K. Digalwar  
Prof. Uma S. Dubey  
Prof. Poonam Goyal  
Prof. Raj Kumar Gupta  
Prof. Pradipkumar Haribhau Keskar  
Prof. Inamur Rehman Laskar  
Prof. Pushp Lata

Prof. Arvind Kumar Sharma  
Prof. Sangeeta Sharma  
Prof. Krishnamurthy Bindumadhavan  
Prof. Sandeep Kayastha  
Prof. Koneru Gopal Krishna  
Prof. Brajabandhu Mishra  
Prof. T. Venkateswara Rao  
Prof. H. Viswanathan  
Prof. Satya Sudhakar Yedlapalli  
Prof. Dheerendra Singh  
Prof. Manoj Kumar  
Prof. Suresh Gupta

Prof. Arun Maity

Prof. V. Manjuladevi

Prof. Rakhee

Prof. Saumi Ray

Prof. Anupam Singhal

Prof. Mukesh Kumar Rohil

Prof. Ajay Kumar Sah

Prof. Vishal Saxena

Prof. Annapoorna Gopal

Prof. Chandra Shekhar

Prof. Debi Datt Pant

Prof. Anupam Singhal

Prof. Rajesh Prasad Mishra

Prof. Venkataraman P. B.

Prof. Shekhar Rajagopalan

Prof. Mudliar Mahalakshmi Rajan

Prof. Rambir Bhadouriya

### **Dubai Campus**

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Prof. Bharat Bhushan Gulyani

Prof. Kavita Sunil Jerath

Prof. Geetha Kannan

Prof. Tapan Kumar Datta

Prof. Ramachandran Subramanian

Prof. A. Srinivasa Rao

Prof. Jagadish Nayak

Prof. Mary Lourde R.

Prof. Trupti Swarup Gokhale

Prof. M.V.N. Sankaram

### **K.K. Birla Goa Campus**

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Prof. Raghu Nath Behera

Prof. Gaurav Dar

Prof. Shibu Clement

Prof. Mridula Goel

Prof. Basavadatta Mitra

Prof. Rabi Narayan Panda

Prof. R.P. Pradhan

Prof. Halan Prakash

Prof. Tarkeshwar Singh

Prof. Radhika Vathsan

Prof. Anasuya Ganguly

Prof. Dhanumjaya Palla

Prof. Prasanta Kumar Das

Prof. Ram Shanker Patel

Prof. Mainak Banerjee

Prof. Amrita Chatterjee

Prof. Judith Maria Braganca

Prof. Rajesh Mehrotra

Prof. Sandhya Mehrotra

Prof. Sachin Damodharrao Waigaonkar

Prof. Anita Bhagirathji Agrawal

Prof. Debasis Patnaik

Prof. Veeky Baths

Prof. Shalini Upadhyay

Prof. Sanjay Kumar Sahay

Prof. Teny Theresa John

Prof. Chandradew Sharma

Prof. Biju K R

Prof. Kundan Kumar

Prof. Sumit Biswas  
Prof. Geetha K A

Prof. Ethirajulu Kannan  
Prof. Abhijit Jayant Pethe

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Prof. A. Sajeli Begum  
Prof. Jagadeesh Anmala  
Prof. N L Bhanu Murthy  
Prof. Anupam Bhattacharya  
Prof. Bivudutta Mishra  
Prof. R. Gururaj  
Prof. Jeevan Jaidi  
Prof. R. Krishnan  
Prof. V.R. Vinayaka Ram  
Prof. M.G. Prasuna  
Prof. Meenakshi Viswanathan  
Prof. Arvinda N. Raghavan

Prof. Kannan Ramaswamy  
Prof. BVVSN Prabhakar Rao  
Prof. Subhash Narayan Karbelkar  
Prof. PunnaRao Ravi  
Prof. N. Suresh Kumar Reddy  
Prof. Pradyumn Kumar Sahoo  
Prof. Y.V. Daseswara Rao  
Prof. I. Sreedhar  
Prof. Jayanty Subbalakshmi  
Prof. K. Sumithra  
Prof. Ramakrishna Vadrevu  
Prof. S.K. Sahoo

### **HEADS OF DEPARTMENTS**

#### **Pilani Campus**

Dr.(Mrs.) Leela Rani (ASTP)  
Prof. BalramDubey (PROF)  
Prof. Navneet Gupta (ASOP)  
Prof. Gajendra Singh Chauhan (ASOP)  
Prof. Prabhat Nath Jha (ASOP)  
Prof. Ravi Kant Mittal (ASOP)

Prof. Hare Krishna Mohanta (ASOP)  
Prof. Bharti Khungar (ASOP)  
Dr. Arun Kumar Vaish (ASTP)  
Dr. Anil Gaikwad Bhanudas (ASTP)  
Prof. Janardan Prasad Misra (PROF)

#### **Dubai Campus**

Prof. Dawood Jalaluddin Shariff (PROF)  
Prof. Shazi Shah Jabeen (PROF)  
Prof. Ramanujam Karthikeyan (PROF)

Dr. Sujala D Shetty (ASTP)  
Dr. Nishant Harishbhai Pandya (ASTP)  
Dr. Vijayallango (ASOP)

#### **K.K. Birla Goa Campus**

Prof. Saroj S. Baral (ASOP)

Dr. Aswini Kumar Mishra (ASOP)

Prof. Anjan Chattopadhyay (ASOP)	Prof. Prasanna Kumar N(ASOP)
Prof. Shrikanth Mutnuri (PROF)	Prof. Ashwin Srinivasan (Sr. PROF)
Dr. Reena Cheruvalath (ASOP)	Dr. Ranjit Shankarrao Patil (ASTP)
Dr. Deepak Narayan Murthy Pachattu (ASTP)	Dr. Amalin Prince A. (ASOP)

### **Hyderabad Campus**

Dr. Sudatta Banerjee (ASTP)	Prof. SanketGoel (ASOP)
Prof. Manab Chakravarty (ASOP)	Prof. Sridhar Raju (ASOP)
Prof. Srikanta Dinda (ASOP)	Prof. Dipak Kumar Satpathi (ASOP)
Prof. Sunny Jose Gosman (ASOP)	Prof. D Sriram (PROF)
Prof. Amit Kumar Gupta (ASOP)	Prof. Amit Kumar Gupta (ASOP)
Prof. Naga Mohan Kommu (ASOP)	Prof. P.K. Thiruvikraman(ASOP)

### **Co-opted Members**

Dr. Paritosh Shukla (ASTP), Pilani Campus	Dr. Jayati Ray Dutta (ASTP), Hyderabad Campus
Dr. Shivi Agarwal (ASTP), Pilani Campus	Dr. Ashma Ahmed (ASTP), Hyderabad Campus
Dr. Amol A. Deshpande (ASTP), K.K. Birla Goa Campus	Dr. Gomathi Bhavani Rajagopalan (ASTP), Dubai Campus
Dr. Indrani Talukdar (ASTP), K.K. Birla Goa Campus	Dr. Vincent Shantha Kumar (ASTP), Dubai Campus

### **Librarians**

Shri Giridhar M. Kunkur, Pilani Campus	Shri R. Sivakumar, Dubai Campus
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### **Chief Wardens**

Prof. Shibasish Chowdhury (ASOP),Pilani Campus  
 Dr. Santhosh Kumar Vasudevan (ASTP), Dubai Campus  
 Prof. Angshuman Sarkar (ASOP), K.K. Birla Goa Campus  
 Prof. Kumar Pranav Narayan (ASOP), Hyderabad Campus

### **Admissions Officer**

Prof. S. Gurunarayanan (PROF), Pilani Campus  
 Prof. Thoppil George Thomas (PROF), Dubai Campus



### **Placement Officer**

Prof. Mani Sankar Dasgupta (PROF)

### **Student Members**

Mr. Jai Agarwal, 2015A4PS0294P

Ms. Namya Sharma, ID 2015A8PS0468G

Ms. Varsha Rajan, ID 2015A7PS0404U

Mr. Shankar Anand, 2015B3A40570H

### **Student Invitees**

Mr. Manoj J, 2017H1400089G

Mr. Rakesh Manuka, 2014PHXF0002G

## **INTRODUCING THE BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE, PILANI AND THE K K BIRLA GOA CAMPUS**

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The Birla Institute of Technology and Science (BITS), Pilani is an all-India Institution declared as deemed to be university established under Section 3 of the UGC act. It is privately supported, fully residential and admits both male and female students. The primary objectives of the Institute are "to provide for and otherwise promote education and research in the fields of Technology, Science, Humanities, Industry, Business, Public Administration and to collate and disseminate in such fields effective ideas, methods, techniques and information as are likely to promote the material and industrial welfare of India" and to "train young men and women able and eager to create and put into action such ideas, methods, techniques and information".

The Institute was initially registered as a Society under the Rajasthan Societies Registration Act of 1958 on the 13<sup>th</sup> May, 1964. Subsequently, by notification published in the Gazette of India dated the 27<sup>th</sup> June, 1964, the Ministry of Education, Government of India, declared that the Institute being an institution for higher education shall be "deemed to be a University". The Institute started functioning with effect from 1<sup>st</sup> July, 1964 with late Shri G.D. Birla as its Founder Chairman.

The Institute was started as a small "Pathshala" in Pilani in the year 1901 by Seth Shiv Narainji Birla with one teacher for educating his grandsons, late Shri G.D. Birla and late Shri R.D. Birla. Pilani was then a small isolated desert village in Rajasthan. The Pathshala evolved slowly and steadily into a High School in 1925 and became an Intermediate College in 1929. The Birla Education Trust was founded in the same year. The Intermediate College developed into a Degree College in 1943. In 1947, this college was raised to postgraduate level. In 1950, Pharmacy courses were started in this college, and in 1952, it was bifurcated into College of Arts and the College of Science, Commerce and Pharmacy.

During World War II, the Government of India established a Technical Training Centre at Pilani for the supply of technicians for Defence Services and industry. In 1946, late Shri G.D. Birla decided to convert it into an engineering college with degree programs in Electrical and Mechanical Engineering. Master's program in Electronics was started in 1955. B.E. programs in Civil Engineering and Chemical Engineering started later. In 1964 with the inception of the Birla Institute of Technology and Science, the colleges, viz., Birla College of Science, Commerce and Pharmacy, Birla College of Arts and Birla College of Engineering

situated at Pilani, as also all properties, movable and immovable, together with educational facilities, hostels, staff quarters, playgrounds, etc., became part of the Institute and all these properties were vested in it. During the early years of its inception, i.e., 1964 to 1970, the Institute with the support of Ford Foundation Grant had the advantage of having collaboration with Massachusetts Institute of Technology (MIT), USA. It adopted the semester system, modular structure of courses, continuous and internal evaluation, letter grading, etc. It also created institutionalized linkages with the industries. Over a period of time, the Institute also introduced several flexibilities in its educational programs.

Dr. K.K. Birla who took over as the Chairman of BITS in 1983 was deeply involved and closely associated with his visionary father in running both the earlier Birla Colleges and the current institute BITS, since its inception. With his spirited involvement in all the activities of the Institute, he was able to see the vision of his father Late Shri G.D. Birla unfolding. Taking over the responsibility of running the institute, Dr. K.K Birla who became the Chancellor in 2003 realized the need for a greater number of promising graduates in the field of science and technology in shaping up the nation's development.

Hence he initiated an increase in the number of students at Pilani campus during 1999; this increase gradually carried the total strength from 2500 to 4000. Under his patronage, BITS started expanding by establishing three campuses, one in Dubai in the year 2000, in Goa in the year 2004 and in Hyderabad in the year 2008.

Consequently, upon the sad demise of Dr. K.K. Birla on 30 August 2008, Dr. Kumar Mangalam Birla was elected as the Chancellor and Smt. Shobhana Bhartia was appointed as the Pro-Chancellor of the Institute. Under the leadership of young and dynamic Chancellor, BITS is taking steps to scale greater heights.

### **2020 – A Strategic Plan for BITS**

The Institute has embarked on a journey to become one of the leading universities in the world by the year 2020. Initially, a task force was constituted to prepare the Vision 2020 document and the draft 'Vision 2020' was released in February 2009. After several deliberations and discussions, Vision 2020 was formalized and logically split into three year milestones, known as 'Mission Programmes'. First such milestone, Mission 2012, was accomplished in the year 2012, after being formally launched in October 2009. Mission 2012 focused and achieved significantly in six thrust areas - Academic Programs and Pedagogy, People, Research & Consultancy, Campus Life, Infrastructure & Facilities and University Administration. 16 Task Forces comprising more than 110 faculty members

were involved in realizing 33 different goals under these six thrust areas. Several initiatives such as curriculum benchmarking and redesign, strengthening of student feedback, seed grant, research initiation grant, sabbatical leave policy, performance appraisal, faculty recruitment among others were fully completed and institutionalized into regular operations at BITS.

Other initiatives with varying degrees of completion would be taken up by existing offices, completed and institutionalized. Off Campus programs (WILP), initially an intrinsic part of the People thrust area, was recognized to be a significant component in realizing Vision 2020. Several initiatives to engage with the industry have been taken up that will be achieved over 2-3 years. Mission 2012 was formally concluded on a celebratory note, with a formal event 'Reflections 2012', presided by the Chancellor, Dr Kumar Mangalam Birla.

In March 2013, Mission 2015, the next milestone in the journey towards Vision 2020, was formally launched. Mission 2015, expected to bring a quantum jump in the aspirations of the objectives set forth, focusses on 7 imperatives: Faculty & Staff Development, Industry Engagement, Inter-Disciplinary Research, Internationalization, Innovation & Entrepreneurship, Quality Assurance & Assessments and Technology Enablement. One team for each imperative has been identified and the teams are working on refining and implementing the goals.

A growth plan for the next 10 years has been developed and is under implementation. While projecting growth in the number of students from 11,000 to more than 17,000 by 2020-21 across its four campuses, the plan outlines a strategy for transforming BITS into a research-focused university while continuing to consolidate its First degree and Higher degree programs. Establishment of new research labs is an important ingredient of the growth plan, for which the plan envisages an aggressive push to sponsored research grants from Government agencies and from industry. As a result of extensive efforts to benchmark the First degree and Higher degree programs against the best in the world, the curricula of all First degree and Higher degree programs have been completely re-designed while ensuring greater focus on discipline-specific courses, on courses in Humanities, and on hands-on learning through lab-based experimentation and thesis work. The new curriculum was implemented from August 2011.

Transforming BITS into a research-focused university is at the top of BITS' agenda. To take that forward, BITS has undertaken several measures. These include (i) Significant increase in the number of "teaching assistantships" that offer tuition waiver and stipend to full-time

PhD students and (ii) Streamlining of its processes from admissions to evaluation of PhD dissertation. BITS has undertaken several initiatives to encourage, facilitate and incentivize faculty to seek and execute research grants.

In November 2011, the Chancellor Dr. Kumar Mangalam Birla formally announced the project “Parivartan” to modernize and expand the physical infrastructure in Pilani. The project, with an outlay of over Rs. 600 Cr., is under progress. Phase-I of the project, consisting of a new academic building, new student hostel, a workshop, and faculty housing has already been completed. The first phase infrastructure work and renovation of hostels has been completed in Phase-II. In phase-III, renovation of Faculty Division-I, renovation and augmentation of Boys Hostels, construction of new faculty quarters have almost been completed. The phase-IV involves renovation of existing academic spaces, hostels and houses. The plan also covers complete overhaul of the underlying systems for water supply, electricity distribution, etc. Master-plans for Goa and Hyderabad campuses are currently being revised to cater to increased demand for housing for faculty and students and for expansion in teaching and research labs.

### **BITS Pilani – Accreditations and Ranks**

BITS Pilani strives hard to attain greater heights in education, research and outreach. BITS Pilani participates in as many ranking and accreditation process as possible.

International: BITS Pilani is now ranked in the Global University ranking of both THE (Times Higher Education) and QS (Quacquarelli Symonds) which are internationally, the most eminent Ranking published today. The rankings in 2018 are as follows: THE Global ranking range 801-1000; THE Asia ranking range 201-250. The QS Global ranking range 801-1000; The QS Asia ranking 187; The QS BRICS ranking 109

NAAC: In the year 2000, BITS was accredited in its first cycle, by NAAC with the highest possible rank in University accreditation. In 2008-2009, the NAAC peer team visited BITS campuses at Pilani, Goa and Dubai and BITS Pilani, has been reaccredited in its second cycle with CGPA 3.71 on four point scale at the highest 'A' grade. Again in 2016, the NAAC peer team visited BITS campuses at Pilani, Goa and Hyderabad and BITS Pilani has been reaccredited in its third cycle with a CGPA 3.45 with 'A' grade.

NIRF: National Institutional Ranking Framework (NIRF) has ranked BITS Pilani at 9, 13, 17 in years 2016, 2017 and 2018 respectively, in University Category based on the data of all four campuses. Specifically in 2018 our ranking in overall category is 26, in engineering 17 and in pharmacy 5.

University Categorization: In order to grant autonomy to better performing institutions, Government of India has notified UGC [Categorization of Universities (only) for Grant of Graded Autonomy] Regulations 2018 on 12<sup>th</sup> February 2018, in the Gazette of India. Based on our proposal the UGC in its 532<sup>nd</sup> meeting held on 24.5.2018, decided to grade BITS Pilani, as Category II Deemed to be University.

Institution of Eminence: BITS Pilani has been identified as one of the six institutes (three publicly funded and three privately funded) of eminence by MHRD on July 10, 2018.

Others: Among all the technical institutions of India, in 2018 BITS Pilani is ranked 1st among the private engineering colleges by India Today, 1st among the private and deemed technical universities by The Week and 5th by the Outlook magazines in their recent surveys. It is good to note that BITS Pilani, is the highest ranked non-government institute consistently in some of these surveys.

### **BITS Pilani, K K Birla Goa Campus**

The idyllic and sylvan beauty of Goa sets the right ambience for BITS Pilani, K.K. Birla Goa Campus, an Institute of excellence in Technology and Science. Nestling in the lap of verdant hills, overlooking the Zuari River, the campus is spread over an area of 180 acres. The location of campus is unique in terms of scenic beauty and panoramic view of picturesque surroundings encompassing the river Zuari, hillocks, waterways, forests and landscape. The Campus is about 25 kms south of Panaji (capital of Goa), 10 kms west of Vasco-da-Gama, 22 kms north of Margao and 5.5 kms from the Goa airport, along National Highway 17B. The campus houses the main building and has academic and administrative offices, Visitor's Guest house, hostels for boys & girls, student activity centre, faculty & staff quarters, medical centre, playground and shopping complex.

BITS Pilani, K. K. Birla Goa campus was commissioned in August 2004 and was formally inaugurated by the Honorable Prime Minister of India, Dr. Manmohan Singh, on May 5, 2006. Keeping with the tradition of innovation and creativity, it has given a state-of-the art touch to the infrastructure of the entire institute without diminishing, the natural beauty of Goa surrounding its campus. Spacious laboratories, state of art classrooms with soundproof acoustics, modern furniture, computer labs with Internet facility and library define the infrastructural pillars of the institution. Being fully residential, separate hostels are provided for girls and boys with single rooms.

<http://www.bits-goa.ac.in>

## VICE-CHANCELLOR'S REPORT

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***Prof. Souvik Bhattacharyya***

Prof G Raghurama, Members of the Senate, Faculty and Staff of K K Birla Goa campus, other dignitaries present here today, and of course the graduating Class of 2018 and their proud parents - it is my privilege to extend a very warm welcome to you all to Convocation 2018 of BITS Pilani, Goa Campus.

Let me begin by congratulating the focal point of today's celebration - the graduating students - your efforts are being recognized and eminently rewarded today; indeed a momentous occasion for you, and equally significant, even more so, for your parents and families. I am therefore delighted to be here today amongst you all - sincerely grateful to be a part of this blissful, joyous and solemn occasion.

BITS Pilani offers the best in class graduates to the nation and the world. With a rich heritage of 54 years, we take pride in the contemporary and global education, the flexible curriculum, and excellence in research, entrepreneurship eco-system and legendary placements that we offer to our students— an inspiring academic experience and a learning environment that is second to none. Let me congratulate all of you on BITS Pilani being conferred the status of *Institute of Eminence*. We are thrilled to be recognised for our excellence in education, and inspired by the responsibility that this imparts on us. The success of our students is at the forefront of everything that we do, and this national recognition is a testimony to the trust and confidence that our nation has in our ability to create and mentor the country's best industry professionals, entrepreneurs, and researchers.

While I present to you an overview report of the University to highlight the achievements of BITS Pilani across its four campuses, Professor G Raghurama, Director, K K Birla Goa Campus will present a report specific to Goa campus.



I am pleased to share with you the graduation statistics of this year's Convocation held across all four campuses. 3,614 students will graduate out of which 712 (20%) are female students. Of these, 3109 are in UG (with 17% female students), 386 are in PG (having 32% female students), and 571 (having 18% female students) will receive two degrees under the Dual-degree programme. 119 students (with 47% female students) will graduate with a PhD.

You are aware of BITS Pilani's pioneering role in offering UG and PG programmes to nearly 20,000 working industry professionals. Many of these operate in partnership with industrial organizations. This year 4,508 students are graduating from our Off-Campus programmes out of which 1172 (26%) are female students. Of these, 732 are in UG (16% female students), 3775 are in PG (28% female students) who will graduate with a formal degree for the first time in their lives or will have upgraded their skills to keep up with a fast changing world.

International admissions to any university brings in the perspective of integrating an international, intercultural, and global dimension to the teaching/learning, and research functions. Towards this objective, BITS Pilani commenced admissions to International students in 2015-16 and currently we have 159 international students and a fresh group of 84 international students are being admitted this year.

Our Centre for Innovation, Incubation and Entrepreneurship (CIIE) is an integrated structure for academic and incubation services related to entrepreneurship across our four campuses. So far 50 incubatees have graduated and, at present about 30 are with us. Hyderabad TBI has been ranked 11th in *100 Brilliant Startup Incubators 2017* by Entrepreneur Magazine.

BITS Pilani has been ranked in the World University ranking of both THE (Times Higher Education) and QS (Quacquarelli Symonds) - the most eminent international Rankings today. Our THE world University Ranking is between 801-1000 and Asia University Ranking is between 201-250 in 2018 and the QS World University ranking is 801-1000 Asian University Ranking is 187. On the domestic front, the NIRF 2018 (National Institutional Ranking Framework, MHRD) has ranked BITS Pilani at 17 in the University category, and 5<sup>th</sup> in the Pharmacy category

In a challenging and turbulent year faced by the industry with factors ranging from layoffs to salary cuts, BITS Pilani surged ahead of its counterparts in terms of student placements. While the top national institutes on an average have evidenced a decline in placements,



BITS Pilani has recorded decent growth over last year in terms of key metrics in Placements.

Our plan to recruit research-focused faculty members continues to gain traction. During academic year 2017-18, 130 faculty offers were made - out of which 69 faculty members have joined us, 49 acceptances are received and decisions on the rest are awaited. All of them have doctoral or post-doctoral experience from eminent institutes across the world. Our PhD scholar population has grown from 417 in 2012 to 943 this year. Total number of journal publications in the Scopus database by our faculty members in 2017 is 914 and during 2011-18 is 5189. Articles published by our students and faculty colleagues have earned 52445 Citations. The number of PhD students receiving scholarship from CSIR or UGC or by sponsored projects has grown significantly from 23 in 2010-11 to 314 in 2017-18.

In 2017-18, 97 new research grant of Rs 28.8 Cr were approved. In the last five years (FY 2013-2017) over 400 sponsored projects worth Rs. 110 Cr have been received. During FY 2017-18, 253 externally funded projects worth Rs. 73.3 Cr were ongoing. Of this, 65 projects worth Rs. 5.2 Cr were completed. A total of 18 infrastructure FIST grants (Rs. 7.45 Cr) from DST are ongoing.

3 fresh FIST infrastructure grants (Rs. 3.4 Cr, DST share) were awarded to Departments of Physics (Rs. 1.45 Cr) and Biological Sciences (Rs. 0.8 Cr) of K.K. Birla Goa Campus while Department of Physics, Pilani Campus received Rs. 1.15 Cr. 13 new Industry projects worth Rs. 1.34 Cr were received from various Industries.

A major research project worth Rs. 1.6 cr. from the Department of Biotechnology, New Delhi was awarded to Prof. M Srikanth of Biological Sciences, K.K. Birla Goa Campus in the area of waste to energy by anaerobic co-digestion of food waste and septage.

Very recently, a major international project EU Horizon 2020, co-funded by DST India has been approved in the area of waste water treatment (about Rs. 1.2 Cr BITS' share) jointly with NEERI and 8 other European countries (Dr Halan Prakash, Dept of Chemistry, Goa Campus)

Prof. K Naga Mohan of Biological Sciences, Hyderabad Campus received a major grant of Rs. 1.38 Cr from Department of Biotechnology in the area of oral cancer prognosis.

Prof. D Sriram of Department of Pharmacy, Hyderabad Campus was awarded an Indo-Swedish International project (0.67 Cr) with Karolinska Institute Sweden in the area of drug discovery.

During 2017-18, 23 new patent applications were filed including 6 international ones in USA, European Patent, Canada, Australia, Mexico and Japan.

BITS Pilani has been using technology platforms for education for more than a decade now and has developed digital content for more than 40 semester-length courses. We are being considered for 11 courses under the MHRD MOOC initiative of SWAYAM. BITS is also planning to offer online certificates through multiple channels and/or online platforms. We have recently inked an agreement with TCS iON for various digital offerings through their platforms.

Let me now share with you some of the awards and laurels of our faculty members during 2017-18.

### **Goa Campus**

Dr. Narendra Nath Ghosh has been elected as the Fellow of the Royal Society of Chemistry, UK in recognition of his academic contribution to the field of Chemistry.

Dr. Anirban Roy was awarded the Innovative Project Award 2017 by the Indian National Academy of Engineering for his work on Low Cost Hemodialysis Membranes. He has also been nominated as a member of the Academy for the next 5 years.

Dr. Srikanth Mutnuri received the Water Development Collaboration award of the Belgian Committee of International Water Association for 2018 along with Prof. Korneel Rabaey, Ghent University, Belgium.

Prof. Arun V. Kulkarni has been selected to the IUCAA Associateship for the duration 2017-2020. He shall be working in the areas of Gravitational Wave detection and LIGO, and Numerical Relativity.

Dr. Sandhya Mehrotra was awarded "Visiting Professor Fellowship" under Senior Scientist category of INSA-CAS International Bilateral Exchange/ Collaboration Programme 2017.

Prof. Sunil Bhand has been granted an Indian Patent for Aflatoxin M1 Detection jointly with inventors from NDRI Karnal.

Prof. Srinivas Krishnaswamy received the BITSAA Faculty Excellence Award.

### **Pilani campus**

Dr. Udyan Chanda received the AIMS International Outstanding Young Management Researcher Award 2017.

Prof. Vishal Saxena was awarded "Visiting Professor Fellowship" under Senior Scientist category of "2017 ASM- IUSSTF Indo - US Research Professor Fellowship Programme".

Prof. AP Singh has been nominated as an expert in the Ministry of Environment, Forest and Climate Change and by Himachal Pradesh Public Service Commission. He was also nominated as an External Member of Advisory Committee for Special Assistance Programme (SAP) by UGC.

Prof. M S Dasgupta was invited as a Judge in SpaceX Hyperloop Pod Design Weekend, Texas A&M, USA.

Prof. Anil Kumar received the 2018 BITSAA Faculty Excellence Award.

Prof. P Srinivasan was conferred the Prof. SS Ranganathan Memorial Teaching Excellence Award.

### **Hyderabad Campus**

Prof. Suman Kapur was awarded the Technology Development Board, DST 2018 *National Technology Award* for Start-ups for 2018 bestowed by the Honourable President of India. She has also been awarded the *Life time achievement in Biochemistry* of Viva International Women award 2018.

Prof. Chittaranjan Hota has been elevated to the grade of Senior Member IEEE in August 2017.

Prof. Kannan Ramaswamy and Prof. Aravinda Raghavan have been selected by IISER-Pune to train STEM teachers in India on Research-based Pedagogical Tools as part of Newton-Bhabha programme sponsored by DBT, MHRD, IISER-Pune, and British Council.

Prof. P. Yogeeswari received the 'Outstanding Research Faculty Award' for the academic year 2017-18 certified by Careers 360 in the Pharmacology, Toxicology and Pharmaceutics discipline as one of the top 10 knowledge producers in India.

Dr. Bandhan Majumdar was awarded with the GCRF (Global Challenge Research Fund) award as ODA-Partners from India with Cardiff university.

Prof. D. Sriram received the 'Outstanding Faculty Research Award, 2018' by Careers 360 in Pharmacology, Toxicology and Pharmaceutics based on a composite score generated by

evaluating the academic output in SCOPUS indexed journals for the years 2015–17, citation count and h-index. This award was presented by the Hon'ble Minister of HRD.

### **Dubai Campus**

Dubai Campus received an award for Strongest Faculty Engagement in EXPO Live University Innovation Program for an impassioned participation from its faculty as academic evaluators. It also received the Dubai Indywood Education Excellence Award 2017 – UAE Chapter.

Our students have won many accolades during 2017-18; I present to you a few of the more notable ones.

Google Summer of Code is a prestigious program wherein students from all over the globe come together for open source software development. BITS Pilani has topped globally in terms of highest student selection in the program from any institute.

### **Goa Campus**

Project Apeiro - Sanket Deshpande, Lucky Kapoor, Shivangi Kamat , Pankaj Tiple and Vibhav Joshi - is India's first student-led space experiment technical support from TIFR Mumbai and TIFR National Balloon Facility, Hyderabad. It aims to determine and analyse space radiation in the lower stratospheric regions over the central part of the Indian subcontinent. The results will be compared and further analysed with the NAIRAS model developed by NASA and is very similar to the Rad-X experiment.

Kishore Gopalakrishnan earned a Gold medal in the NGPE (National Graduate Physics Exam 2017) conducted by Indian Association of Physics Teachers.

Yashasvi Joshi obtained a score of 99.8 percentile in CAT 2016.

Filmmaking Club BITS Goa made a short film titled *A Late Knock*, directed by Taha Faraz which got nominated in the Jaipur International Film Festival 2018 in the Mobile Film category. It was among the 136 films nominated this year out of a total 2019 entries.

Amit Agarwal was amongst 19 candidates in India to be selected for the prestigious IUSSTF-Viterbi Program, 2017, which provided an opportunity for a summer research internship at the University of Southern California.

Sarthak Singh was one of the 15 fellows selected from across six countries to intern with Government of Andhra Pradesh.

Heer Joisher was awarded the prestigious Khorana Scholarship 2018 sponsored by the Department of Biotechnology, Indo-US Science and Technology Forum (IUSSTF) and WINStep Forward.

Honey Jain and Jaychandran Padayasi have been awarded the prestigious Mitacs Globalink Research Internship 2018 sponsored by Government of Canada.

Nissim Gore-Datar has been awarded the prestigious Summer Undergraduate Research Fellowship of the California Institute of Technology (Caltech SURF 2018).

Rachith Aiyappa has been awarded the prestigious Charpak Research Internship Scholarship 2018 sponsored by the French Government.

Suparno Pal, a third year student in the Department of Electrical and Electronics Engineering has been awarded the prestigious DAAD WISE Scholarship 2018.

Drone Nation team was selected for receiving incubation support and finance grant from Nidhi-Prayas, DST, Government of India to develop a Drone for Agriculture.

### **Pilani Campus**

First 100% Ethanol (E-100) Fuelled car in India is launched by Pilani campus students. The vision of the team was to make fuel efficient cars with zero emission. It was presented in the 2018 edition at Changi Exhibition Centre, Singapore.

Umang comprising Paresh Deshmukh, Neil Sarkar, Shaily Bhatt and Siddhant Dwivedi won the Case Study Challenge 2018.

Joy Mukherjee won the Hackathon Easy Ride award and received the Best Paper Award

Healthcare Startup GnomikX Won the IIT Khargapur Business Model Competition. It offers saliva-based genetic testing for prevention and management of lifestyle disorders such as diabetes, hypertension, and obesity.

Sishir S Mohammed was adjudged the *Best Outgoing Student in Mechanical Engineering* and Saksham Nagar of Computer Science was awarded the Music Award, which is given to a member of Gurukul.

Chhagar Rohnit Singh of Mechanical Engineering won the prestigious YES Future Ready Scholarship.

Rishank Pandey, Himanshu Goyal and Ruddhi Prasad were selected as one of the Top 5 International Teams in the World Finals of Hilti IT Competition 2018.

Palash Dhakar from Pilani was selected to represent India at Microsoft Build, Seattle, WA

Sanat Sharma won the Global 'Capture The Flag' Cyber Challenge.

Team V1 - Aadi Jain, Anmol Singhal, Saurabh Manish Raje, Nischay Singh -won the First Prize of Rs 1.5 L at Mercedes-Benz Research and Development India Hackathon for their prototype that helps vehicles to detect pedestrians with infrared light. They now have the opportunity to present their idea to increase road safety at the Mobile World Congress 2018 in Barcelona.

Nishad Sahu, Rituraj Mahendra Patil, Siddharth Mehta and Sombuddha Chakravarty won the Prestigious Avery Dennison Spirit of Invention Scholarship 2017 Awards.

ITC Infotech's iTech 2017 codeathon was won by a Pilani students' team *Latch*- Partho Sarthi, Suvigya Vijay and Amritanshu Jain - who used Node JS, Django and Bots to create a social chat application. They walked home with a cash prize of Rs. 3 L.

### **Hyderabad Campus**

WCB Robotics team with a prototype window cleaning robots for cleaning the façade of high-rise skyscrapers won the seventh place in the 2018 Rice Business Plan Competition (RBPC) hosted by the Rice Alliance for Technology and Entrepreneurship and Rice University's Jones Graduate School of Business. The annual event is the world's richest and largest student startup competition. WCB Robotics won over \$450,000 in individual prizes, including a \$300,000 prize awarded by the GOOSE Society of Texas and the TiE Houston Angel Group Investment Prize of \$150,000.

Team *Traffic Eye* won the Silver prize in the KPIT Best Innovation Award of Smart India Hackathon 2018 for their project Traffic Eye to check traffic violations.

Sanket Mishra, a research scholar from the Department of Computer Science received the TCS PhD fellowship for four years (2016-2020).

### **Dubai Campus**

Mihir Prabhudesai, Dev Gupta and Mridul Bhandari won the 2018 BECO Falcon Hack Challenge.

The Formula 6 car team led by Jasjeev Singh, under the guidance of Prof R. Karthikeyan and Team Gear Shifters led by Sadhyot Biswal, under the guidance of Prof R. Udaya Kumar participated in the 13<sup>th</sup> Formula SAE Italy and Formula Electric Italy Competition held in the Riccardo Paletti Circuit - Varano de Melagari (PR), Italy.

Sarthak Sethi won the First Prize at Gitex Technology Week 2017 sponsored by Accenture for his unique concept 'ThumbFi: A Smart Biometric' that uses fingerprint technology to enable people with disabilities to operate their devices. The award includes Dh50,000 (INR 9 L) and an all-expenses paid trip to witness the launch of the satellite AL Yah 3 in French Guinea.

Team Trepit - Tarun Krishna, Adhitya Natarajan, Harsith Rani, Mohamed Nawaz and Pranay Addepalli - won the i) Runners-up - Startup Weekend, ii) Elevison- Best Marketing Plan Award, and iii) Guiddoo- Superstars of Startup Weekend Award held in Ras Al-Khaimah.

Rewant Verma, Alina Zaidi and Mohamed Nawaz were declared as 2nd runner-up at BSE Financial Trading Contest held at the Abu Dhabi National Exhibition Center.

Team JISR - Jaskanwar Singh, Jayant Panwar, Kelvin DeCosta, Somil Mathur and Tushar Agarwal - won the 2nd position in ATX Hackathon powered by Microsoft for their working prototype to translate sign language to text and vice versa, therefore enabling a two-way communication between the hearing impaired and hearing communities. Another team IIMAY - Sarthak Sethi, Satyarth Vaidya, Jeevan Sandhu and Mihir Prabhudesai - won the 3rd position in this event for their application which can convert an entire conversation among people into sign language making it convenient for a deaf person to interact in meetings.

Vedant Bajaj, Ritwick Dsouza, Aditya Popat, Shaurya Sood, and Saugaat Allabadi won the second prize of €300 each in Accenture Digital Global Hackathon for their project "HealthMe", a mobile application using blockchain, providing peer-to-peer, community-driven medical insurance and health records.

Sarthak Sethi and Chirag Ghag won the third prize of €200 each in the same event for their project "FeedUs" a web platform for connecting charity organizations to institutions like restaurants, hotels, supermarkets which have left over/waste food.

Team Avenue co-founded by Karthik Bharadwaj clinched the top Prize at Startup Weekend Dubai Edition for a cash prize of USD 12,000 IBM Credit in addition to one year working space and mentorship from The Bureau Dubai, and qualified for the Global Startup Weekend.

Dubai Campus students emerged as the overall champions for the 6th consecutive year in BITS Sports Festival 2017.



Sarthak Sethi, Nilanchal Nilamadhab, Shivam Mishra, Mridul Bhandari, Rishabh Kaushik, and Hrishikesh Uralath won second prize of AED 15,000 at RTA Dubai Taxi for 'ClickRavel', a smart taxi order button POS, which can be used to instantly order a taxi by just a tap without a need of a mobile phone.

In 2017 EXPO Live University Innovation Programme, as part of Dubai Expo 2020, 4 teams - IORTA, Aurora, BITS EEE1 and Vim Pulveres - were from our Dubai Campus, highest for any institution, amongst the 21 teams and all four qualified for the grant.

Dubai Campus Team won the Overall Trophy in the Skyline Carnival, a cultural festival organized by Skyline University College Dubai.

Hult Prize 2018 challenge was held on the topic “Harnessing the power of energy to transform the lives of 10 million people” at BITS Dubai. Three teams, exhibited massive potential and outperformed the other participating teams with their prospective viewpoints and strategies. Team Metamorph (Urvashi Satwani, Jaskanwar Singh, Tushar Agarwal and Somil Mathur) won the first position. Team Perpetual Motion Squad (Jitesh Gurav, Rajdeep Ghosh, Sidharth Agarwal and Anuj Lihori) bagged the second and Team AKNT (Nawaz Muallim, Tarun Krishna, Sohail Danish and Adhitya Natarajan) won the third position.

Students from Flummoxed Quizzing Association secured the top position in GITEX quiz 2017.

In the Computer Engineering and IT section of 6th Undergraduate Research Competition conducted by Abu Dhabi University, Sarthak Sethi won the First Prize of AED 5000 and Shaleen Bengani and Mihir Prabhudesai won the Second Prize of AED 2500.

AutoChain Team - Sujith Sizon, Somil Mathur, Jaskanwar Singh, Jayant Panwar and Tushar Agarwal - has been selected to be a part of the Ministry of Economy National Program for Supporting Young and Innovative Companies.

Team MediFile won the Second Prize at Techstars Startup Weekend Dubai - University Edition 2018 winning a 3 month incubation from RAK Incubators.

Shaleen Bengani, Anchit Pandey and Mohammed Shoaib secured first position and AED 2000 each in the 8<sup>th</sup> Gulf Programming Competition.



BITS Pilani is committed to shape the minds of students in a manner that they become important agents of social change. In its institutional vision, BITS underscores the importance of education and knowledge in advancing an evolutionary process of change towards a better India. Since its inception, the institution has produced students that have helped to move our society forward using their ideas and creativity, their leadership abilities and innovative traits.

I would like my faculty colleagues and staff members to join me in congratulating all our students who will be graduating today from Goa campus. Every end has a new beginning - Dear graduating students, these have been years where you have put in your best efforts in myriad directions - curricular and beyond - often burning the midnight oil with mixed returns. These years will also remain etched in your memory as the most memorable time in your life. As you leave the portals of this campus, you will find numerous new challenges along with exciting opportunities surfacing up before you. I am sure we have prepared you enough to cope with this new phase of your career.

We wish you every success as you commence this next exciting stage of your life and career. As a graduate and ambassador of BITS Pilani, you are the torchbearer of an extremely rich heritage. I believe that you, like many of your seniors, will make us a few inches taller in pride.

Victory without virtue has no value. I want you all to be secure professionally, and have a good life; but at the same time you must remain hungry, remain passionate to do something meaningful in this good life. While you all must strive to do well in future, I ask you to make sure that you also do some good. Something good for the fellow citizens, for the society at large and simply be a compassionate good human being. Your *alma mater* has given a passport now to succeed in professional journey; please make sure that you also show the gratitude back to your institute. Contribute generously to make BITS Pilani stronger and more eminent in years to come.

Let the world know your strengths – the blend of empathy and intellect that you bear. Stressors and adversaries may come your way – but courage lies not in avoiding them, but dealing with them with optimism and rationale for a better tomorrow. As Confucius said: the greatest glory is not in never falling but in rising every time we fall.

Let me take this opportunity to thank our Chancellor, Dr Kumar Mangalam Birla, and the distinguished members of the Board of Governors for their unflinching support to BITS Pilani. Finally, I express my gratitude for my faculty and staff members for their commitment to excel in every aspect of teaching and research, in classrooms, laboratories and beyond. They are ensuring that BITS Pilani remains a top destination for the students, faculty members, research funds and recruiters.

Thank you very much for your patient attention.

Souvik Bhattacharyya  
Vice Chancellor  
BITS Pilani  
Pilani | Dubai | Goa | Hyderabad

## DIRECTOR'S REPORT

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**G. Raghurama**

Vice Chancellor, Prof. Souvik Bhattacharyya; Members of the Senate; parents and guardians of the graduating students; faculty, staff and students of K K Birla Goa campus; and most importantly, the shining stars of today – the graduating batch of 2018.

A very good morning and a hearty welcome to you all.

This year, 636 of our students are eligible to receive their degrees. 396 of them receive their first degree; 174 among them will receive an additional degree under the dual degree scheme. 36 of them will receive their higher degree; and 30 of them a PhD. At the outset, I congratulate each and every one of them. In this batch, we have three medalists: The Gold medal is awarded to Mr. Amit Agarwal, the Silver medal is awarded to Ms. Quadros Karen Aditi and the Bronze medal is awarded to Mr. Advait Prasad Koparkar.

### **Our campus**

This campus is named after our former Chancellor, Late Dr. K. K. Birla. Known for his vision and meticulous planning, Dr. Birla saw to it that the campus came up with all the necessary infrastructure, well before admitting the first batch of 600 students in August 2004. The campus now has a total strength of about 3000 students. We have embarked upon an ambitious growth plan over the next 3-4 years; the student population will increase to about 4800 and the faculty strength will be nearly doubled with the added focus on post-graduate and research programs. Towards this goal, we are admitting nearly 1150 students this year, as compared to 980 students last year.

### **Educational system**

The Goa campus of BITS Pilani offers 10 first degree programs, 6 higher degree programs and PhD program in all disciplines.

A total of 562 courses were offered in the last academic year (277 in I Semester and 285 in II Semester 2016-17). Out of them, 14 courses were offered across the campuses using the Cisco telepresence classroom facilities available in the campuses. 12 new courses were introduced during the last one year.

As part of the Practice School program, every semester, about 300 students of this campus are occupied in about 50 industry locations, supervised by faculty members. We have been fortunate to receive industrial patronage for this innovative program and most of our students receive generous stipends during this period.

In recent years, many of our undergraduate students have been pursuing their thesis work either at the research labs or in prestigious institutions/universities of national and international repute, as an alternative to Practice School. In the academic year 2017-18, out of **134** off-campus First degree thesis students, **65** went abroad, which includes Institutes/Universities from : **Singapore:** National University of Singapore, Nanyang Technological University, Singapore University of Technology and Design (SUTD), Solar Energy Research Institute of Singapore; **USA:** Carnegie Mellon University, University of California, Cornell University, Harvard Medical School, University of Connecticut, University of Pittsburgh, University of Utah, University of Nevada, John Hopkins University, Icahn School of Medicine, The Graduate Center ; **Netherlands:** TuDelft University of Technology; **Germany:** Max Planck Institute, Technische Universität Dresden, Leibniz University Hannover ; **England:** Imperial College London, University of Lincoln, University of Leeds, New England complex Systems institute, NECSI ; **Japan:** National Institute of Informatics, Center for Emergent Matter Science, RIKEN; **France:** Telecom Paristech Paris, INRIA Rennes, INRIA Nancy, LIRMM, IRISA, Aix-Marseille Université, CNRS; **Canada:** University of Waterloo, University of Toronto; Europe: University of Namur ; **Switzerland:** École Polytechnique Fédérale de Lausanne, ETH Zurich ; **Australia:** The John Curtin School of Medical Research; **China:** Shanghai Jiao Tong University, Tsinghua University ; **Taiwan:** National Taiwan University

The remaining **69** students went to several Indian Research Institutes/Universities/ Government and Private Research Lab/organization such as IITs, IISc, Bangalore, IISER, NISER, IIIT, NIT, Research Institute e.g. TIFR, NCBS, HRI, IISc, CMI, PRL, JNU, University of Hyderabad, Delhi University, and NTPC, DRDO, BHEL, ISRO, TCS Innovation Lab, Siemens Bangalore, Microsoft Research Lab, Bangalore, IIM Bangalore. Few of the students also received Partial travel and other financial support from BITS or the host organizations.

## **Library**

The Library has a substantial collection of more than 40,000 reference books. Research and encyclopedic reference comprise 85% of the total collection, apart from textbooks. We subscribe to more than 3000 carefully selected journals and periodicals, both print and online. The online libraries also include conference proceedings and e-books. Recent initiatives have seen the development of a sizeable popular science collection for the lay reader and interdisciplinary readers.

The development of multifaceted reading spaces initiated in 2016 has gained momentum; thanks to the response from the BITS Goa academic community. This has resulted in different reading halls and a reading lounge with comfortable sofas that are attracting more readers to the Library. The Library also has a soundproof discussion room equipped with a smart screen and net connectivity, ideal for conducting meetings and presentations.

Our student community has contributed towards adding a lot of eye-catching displays in the library: now the Library has become one of the significant showcases of what BITS represents.

## **Entrepreneurship and Innovation**

The Center for Innovation and Entrepreneurship regularly conducts workshops and training programs to encourage and help the students. The CIIE conducted the following Workshops along with BITS BIRAC BioNEST:

1. "Start-up Pitch Competition" held to celebrate National Entrepreneurship Day, November 09, 2018.
2. "Problem Identification, Ideation & Conceptualization" held on November 30, 2018.
3. "Bio-entrepreneurship, Grant Writing & Funding Opportunities" held on February 05, 2018.
4. A two-day workshop on "Understanding the Bio Design process and becoming a Medical Technology Innovator" held on March 29-30, 2018, in collaboration with a Medtech Accelerator: Innacel Technologies, Bangalore.

A course on 'New Venture Creation' has enabled students to convert their ideas into real startups. Two startups, which had origins in the course, received recognition recently:

1. Thinkerbell Labs, device to support Braille learning won the BITS 75 Trust grant of Rs. 10 lakhs
2. Recopro, the manufacturer of recyclable paper pallets, won the first prize of Rs. 2.5 lakhs at International Startup Conclave, Conquest 2017, held annually by E-Cell of Pilani Campus.

## **Sponsored Research**

Research and Innovation is one of the important pillars of BITS Pilani. The campus has enhanced its R&D capability by securing a significant number of sponsored research projects from different agencies, through competitive mode. During 2017-18, a total of 29 new sponsored projects worth Rs 8.77 crores have been received by faculty at our campus, taking the figure of the total amount of grants received during the last five years to Rs. 34 crores. During 2017-18, two major infrastructure grants worth Rs. 450 lakh (50:50 sharing mode) under FIST scheme of DST, New Delhi were awarded to the Departments of Physics (Rs. 290 lakh) and Biological Sciences (Rs. 160 lakh). Three industry-sponsored projects worth Rs. 51.50 lakh were also received during this period.

In addition to the new sanctioned projects, 60 sponsored projects worth Rs. 1475.51 lakhs were ongoing during this period, and a total of 11 projects worth Rs 211 lakhs were successfully completed. The various funding agencies/industries from which the grants were received include SERB, DST, CSIR, DBT, BRNS, DST-MHRD under IMPRINT scheme, EAWAG, Switzerland, Gates Foundation, RRCAT Indore & UGC DAE Consortium Indore, DST Inspire, IFB Private Limited, UNICHEM India Ltd, Sintex Industries Ltd, Deccan Fine Chemicals (India) Private Ltd, Tube Investments of India Ltd, Chennai, DSTE, Goa, Navika Nursery, Pednem Goa.

Some of the significant projects are listed below.

- Dr. M. Srikanth, Department of Biological Sciences received a grant of Rs. 161 lakh from DBT entitled Demonstration of a waste to energy project by anaerobic co-digestion of food waste and septage, jointly with Mr. Sandip K Prabhu Chodnekar, from Goa State Infrastructure Development Corporation Limited, Goa.
- Dr. M. Srikanth, Department of Biological Sciences received a grant of Rs. 50.15 lakh in Collaboration with Dr. Fraddy D'souza, Fellow and Area Convener, The Coastal Ecology & Marine Resources Centre, The Energy and Resources Institute, Panaji from DBT (river cleaning) entitled Demonstration of river Sal cleaning by vertical wetland and riverbank filtration.
- Dr. R. P. Pradhan, Department of Humanities & Social Science received a grant of Rs. 40 lakh from DST- ICPS, entitled "India & Neighbourhood Sea Ports Comparative Vessel, Traffic & Pattern Analysis Using Real-Time Ship Tracking Traffic Intelligence Tool for Commodity Movement & GDP Correlation Mapping", jointly with Dr. Aswini Kumar Mishra from the Economics Department; Dr.Venkataresh babu Kuppili from NIT,Goa

and Mr. Dilip Mehrotra, Secretary, Indian Ocean MOU On Port - State Control Secretariat (IOMOU).

- Dr. Saroj Sundar Baral, Department of Chemical Engineering received a grant of Rs. 35.83 lakh from SERB entitled “Development of suitable material for visible light-induced photocatalytic hydrogen production from industrial wastewater”, jointly with Dr. Saibal Ganguly and Dr. Priyabrat Mohapatra, C V Raman College, Bhuvaneshwar.
- Dr. M. Srikanth, Department of Biological Sciences received a grant of Rs. 31.92 lakh as a project partner Dr. Hoysall N Chanakya, IISc Bangalore, Prof. Ghangrekar, IIT, Kharagpur and Arun Kumar, NITK, Surathkal from DST/MHRD under IMPRINT scheme entitled Small Scale and sustainable household wastewater recycling.
- Dr. Teny Theresa John, Department of Physics received a grant of Rs. 29.25 lakh from SERB entitled Eco-friendly flexible CZTS solar cells, jointly with Prof. M. K. Jayaraj, CUSAT, Kochi.
- Dr. Mainak Banerjee, Department of Chemistry received a grant of Rs. 27.92 lakh from BRNS entitled “A Polydiacetylene-Based Fluorescent Sensor for the detection of arsenic species and uranyl ion in water by conventional and nuclear analytical methods”, jointly with Dr. Amrita Chatterjee.
- Dr. Varinder Singh, Department of Mechanical Engineering received an Industry sponsored grant of Rs. 27.43 lakhs from Tube Investments of India Ltd, Chennai for a project entitled Study of lubricant and application method for enhanced surface finish and reduced draw load on cold drawn steel tubes, jointly with Prof Amit Kumar Gupta, and Prof Srinivas P Regalla from Hyderabad Campus, and Dr. Tufan Chandra Bera from Pilani Campus.
- Dr. Ashwin Srinivasan, Department of CS & IS was sanctioned a grant of Rs. 22.50 lakh from SERB entitled “Knowledge- Rich Deep Models for Optimisation”.
- Dr. Sharad Sontakke, Department of Chemical Engineering received a grant of Rs. 19.33 lakh from BRNS for a project entitled “Catalytic HI decomposition studies in membrane reactor for hydrogen production”.
- Dr. Gauri Anil Achari, under the mentorship of Dr. Meenal Kowshik, Department of Biological Sciences received a grant of Rs. 19.20 lakh from SERB under the National Postdoctoral Fellowship Program for the project entitled “Novel sustained release



biodegradable polymer-coated urea and zinc nano-fertilizers for synchronizing fertilizer uptake, improving productivity and prevention of bacterial wilt disease in chilli" (*Capsicum annum L*).

- Dr. Gauranga Charan Samanta, Department of Mathematics received a grant of Rs.16.96 lakh from CSIR for a project entitled "Study on dark energy, dark matter and cosmic acceleration of the Universe in modified gravity", jointly with Dr. Prasanta Kumar Das of the Department of Physics.
- Dr. Prasanna Kumar, Department of Mathematics received a grant of Rs.16.46 lakh from CSIR for a project entitled "A Study on the Bernstein- type inequalities for the polar Derivative of a Complex Polynomial".
- Dr. M. Srikanth, Department of Biological Sciences received an industry-sponsored grant of Rs. 14.00 lakh from Gates Foundation through RTI International entitled "Hybrid Electrochemical-MFC waste processing: Functional blocks for low energy disinfection and denitrification of human waste streams".
- Dr. S. D. Manjare, Department of Chemical Engineering received an Industry sponsored grant of Rs. 10 lakh from DSTE, Goa and Navika Nursery, Padnem Goa, entitled Process Improvements in Urrakh and Feni Production in Goa (Pilot Scale Process and thermal efficiency improvement measures jointly with Prof. Pramod V. Pathak, Chairman, Environmental Impact Assessment Agency, Goa.
- Dr. M. Srikanth, Department of Biological Sciences, received a grant of Rs. 7.26 lakh from EAWAG, Switzerland for piloting the certificate of open studies on Sanitation, water and solid waste for development.
- Dr. Sharad Sontakke, Department of Chemical Engineering received a grant of Rs. 7.00 lakh from DST Inspire for a project entitled "Development of anodic material for DSSC".
- Dr. Shilpa Gondhali, Department of Mathematics, received a grant of Rs. 6.00 lakh from SERB (MATRICS) entitled "A study of homotopy invariants of a model category".
- Prof. Mainak Banerjee, Department of Chemistry received a consultancy grant of Rs. 5.47 lakh from UNICHEM India Ltd entitled "Synthesis and validation of methods for vortioxetine HBr".
- Dr. S D Manjare, Department of Chemical Engineering received a consultancy grant of



Rs. 2.56 lakh from Deccan Fine Chemicals (India) Private Ltd for a consultancy project entitled “Performance assessment studies on the production process of CPTAP”.

- Dr. S D Manjare, Department of Chemical Engineering received a consultancy grant of Rs. 244850/- from Deccan Fine Chemicals (India) Private Ltd for consultancy project entitled “Performance assessment studies on the production process of MTB.
- Dr. M. Srikanth, Department of Biological Sciences, received a consultancy grant of Rs. 2.53 lakh from IFB Private Limited for a project entitled, “Detection and quantification of enzymes in detergents and Patch Test Assays with Allergic reactions”.
- Dr. M. Srikanth, Department of Biological Sciences, received a consultancy grant of Rs. 1.89 lakh from IFB Private Limited entitled Research & Analysis of Bacterial Content in Washing Machine.
- Prof. Dibakar Chakrabarty - Studies on the effect of Russell's viper Venom on regulation of cell morphology, apoptosis and further characterization of the active compound(s). Principal Investigator: Dr. Dibakar Chakrabarty; Co-Principal Investigator: Dr. Angshuman Sarkar Sponsored by the Indian Council of Medical Research, New Delhi. Total grant Rs. 24, 77,400.
- Dr. Sunil Bhand, Department of Chemistry, received a grant of Rs. 0.45 lakh from RRCAT Indore & UGC DAE Consortium Indore for a project entitled- Novel Micro Biosensor Device for Heavy Metal Analysis in Vegetables.
- Dr. Sachin Waigaonkar, Department of Mechanical Engineering received a consultancy grant of Rs. 0.23 lakh from Sintex Industries Ltd for consultancy project on Simulation of industrial pallets using ROTOSIM.
- Prof. Narendra Nath Ghosh as PI received the ABSTCPL - BITS Pilani project Amount 52.2 lakhs (Coinvestigator-Dr. Rajib Ghosh Dubai Campus)

BITS Pilani K K Birla Goa Campus has received approvals for 9 projects during the current financial year amounting to a total of Rs 422 lakhs. Significant projects among them are:

- EU- INDIA joint proposal submitted from BITS Pilani, under the Horizon H2020 (EU) - DST, India was approved. Prof. Halan Prakash, Department of Chemistry, BITS Pilani, K K Birla Goa Campus is the PI from BITS. Consortium partners comprise of 5 European countries, Ireland, UK, Spain, Italy, Cyprus and 5 Indian partners, NEERI, Nagpur;

Kwality Photonic, Hyderabad; Affordable water solutions, Hyderabad; Society for Alternative Developments, New Delhi; and Society for Technology & Action for Rural Advancement, New Delhi. The project is on "Photo-irradiation and Adsorption based Novel Innovations for Water-treatment" (PANI). Total amount proposed is about 38 Crore Indian Rupees with BITS share of Rs. 1.4 crores.

- Dr. Utpal Roy, Department of Biological Sciences, has received the approval for a grant of Rs. 72.51 lakh from SERB for the project entitled "Evaluation of Antifungal activity of lipopeptides from a wild type *Bacillus* sp. RLID12.1 in mouse models of invasive candidiasis, cryptococcosis, and Aspergillosis", jointly with Prof. Arunaloake Chakrabarty (PGIMER), Chandigarh.
- Dr. Richa Singhal, Department of Chemical Engineering has received the approval for a grant of Rs. 45.55 lakh from SERB for the project entitled "Mechanistic approach to design composite metal-carbon nanofiber oxygen electrodes for high-performance metal-air batteries".
- Dr. Pradeep Kumar Sow Department of Chemical Engineering has received the approval for a grant of Rs. 11.7 lakh from ONGC for the project entitled "Hydroiodic acid (HI) decomposition in Iodine-Sulfur Cycle: A feasibility study".
- Dr. Vivek Rangarajan Department of Chemical Engineering has received the approval for a grant of Rs. 31 lakh from SERB for the project entitled Formulation of bio-functionalized cosmetic emulsions using biosurfactant and essential oil as green ingredient.

### **Research Publications**

Since 2011, researchers from Goa campus have authored 1000+ research publications. During 2017, our researchers have published 195 articles in peer-reviewed Scopus indexed journals/proceedings.

### **Ph.D. Programme**

So far, **95** Ph.D. students have graduated from the Goa Campus starting from its inception and the number of Ph.D. students at present is 263, which includes 220 (existing) and 43 planned admissions in August 2018.

During 2017-18 Academic Year, **30** students have completed their Ph.D. degree. I am happy to inform that a large number of our PhD students receive SRF and fellowship awards from DST, ICMR, CSIR and other agencies. About 45% of Phd students are given financial assistance by the Institute.

## Faculty Achievements

Many of our faculty members have brought laurels to this campus through their academic and research endeavors. Few examples are:

- ❖ Prof. Narendra Nath Ghosh, Department of Chemistry, has been admitted as a Fellow of Royal Society of Chemistry, UK
- ❖ Prof. Srinivas Krishnaswamy was awarded *Prof. I J Nagrath Faculty Excellence Award*
- ❖ Dr. Anirban Roy was awarded INAE Innovative Project Award.
- ❖ Rohit Prabhudesai and Dr. Ch.V.V.S.N.V Prasad won the best paper award at the International Conference on Entrepreneurship and Family Business (ICEFB) conducted by University of North Texas and IIT Bombay from January 8th-10th, 2018.
- ❖ Dr. Bhakti B. Salgaonkar joined as CSIR Research Associate (CSIR-RA) on 4<sup>th</sup> May, 2017 under Prof. Judith Bragança's lab on project entitled: 'Application of Polyhydroxyalkanoates obtained from Halophilic Archaea as potential Biomaterial in Tissue Engineering'.
- ❖ Dr. Aswini Kumar Mishra received "Dewang Mehta National Education Awards (Regional Rounds)" in the "Best Professor in Economics" category held at Panjim, Goa on 16th August 2017.
- ❖ Dr. Debasis Patnaik was felicitated for Integrating Academic Work with Religious Pursuits by Kadapa University (Economics Department), Andhra Pradesh, on 23rd Dec 2017.
- ❖ Prof. M K Deshmukh was Invited to be a Member of International Organizing Committee for CPESE-2018, Nagoya University, Japan, September 19-21, 2018.
- ❖ Prof. Korneel Rabaey from Ghent University Belgium and Prof. Srikanth Mutnuri received Belgian Committee of the International Water Association Water Development Collaboration award for the year 2018
- ❖ Dr. Rajesh Mehrotra was awarded Indira Gandhi education excellence award, 2017, International business council from IIEM, New Delhi.
- ❖ Dr. Rajesh Mehrotra was awarded Best education award 2017 for undergraduate and postgraduate teaching and research in Biology.
- ❖ "INSA Visiting Scientist Fellowship" was awarded to Dr. Utpal Roy by Indian National Science Academy.

- ❖ Kundan Kumar was awarded Outstanding Scientist in Plant Biotechnology in 3<sup>rd</sup> Venus International Research Awards-VIRA2017.
- ❖ Prof. Dipankar Pal is Nominated as Execom Member of IEEE Bombay Section (under Region 10) and elected as Executive Member of IEEE Bombay Section in November 2017
- ❖ Prof. Reena Cheruvalath was a Visiting Research Scholar at Graduate School of Education, University of Tokyo during May-July, 2018.
- ❖ Dr. Parichay Patra was a Visiting Scholar at Instituto Investigaciones Gino Germani, Facultad de Ciencias Sociales, Universidad de Buenos Aires, Argentina (June 5- July 4, 2018)
- ❖ The Department of Mathematics published 23 research papers in journals of international repute. Dr. Pradeep B's research article "Mixed-norm estimates for the Cesàro means associated with Dunkl–Hermite expansions" appeared in one of the prestigious journal, Transactions of American Mathematical Society.

I am happy to note that the faculty at Goa campus have 26 patents to their credit, since 2012, out of which 11 are international patents.

Many of our faculty members are recognized for their scholarship and selected to different Editorial Board of journals, Board of Studies in other universities, Reviewers in reputed journals, and research committees of other universities.

#### **Notable visits for collaborations**

- Prof. Sukeshi Kamra from Carleton University, Canada, Academic Director-Ontario India (OIN) visited our Campus towards an Interaction with Students on Students Exchange Programme on 11th August 2017.
- Ms. Tanushka Bali, Senior Advisor, Education USA, Mumbai visited our Campus towards Interaction with Students on Higher Studies in USA on 13th Sept 2017.
- Prof. Korneel Rabaey from Dept of Biological Science, Ghent University, Belgium visited our Campus towards Research Collaboration with BITS Pilani, K K Birla Goa Campus on 11th - 12th Nov 2017.
- Prof. Hadas Mamane Steindel, Environmental Engineering Program, Faculty of Engineering Tel Aviv University, Israel visited our Campus towards Research

- Collaboration with Dept. of Biological Science, BITS Pilani, K K Birla Goa Campus on 26th Nov to 28th Nov 2017.
- Prof. Paul Koola and Prof. John Curry O'Day along with a group of 17 undergraduate students for Texas A & M University, USA visited our campus towards Engineering Ethics Program as a part of their Curriculum from 28th Dec 2017 to 15th Jan 2018.
- Prof. Sukeshi Kamra from Carleton University, Canada, Academic Director-Ontario India (OIN) visited our Campus towards an Interaction with Students on Students Exchange Programme on 16th Feb 2018.
- Ms. Arbindar Pal, Trade Commissioner, Consulate office of Canada, Mumbai visited our Campus towards Interaction with the faculty members about the opportunities in Canada, research collaboration on 5<sup>th</sup> March 2018.
- The Department of Mathematics organized 14 expert lectures by renowned mathematicians.

#### **MoUs Signed with International Universities during AY 2017-18**

- The University of Tartu, Estonia (Higher Education Student and Staff Mobility)
- University of Leeds, UK
- University of Virginia, USA
- Politecnico di Milano University, Italy
- Texas A & M University, USA

#### **University Faculty Immersion Programme**

Few of our faculty spent time at International universities, under the University Immersion program of BITS.

- Dr. Reena Cheruvalath, HoD, Dept of HSS visited University of Tokyo Japan
- Dr. Veeky Baths, Dept of Biological Science Visited University of Leeds, UK
- Dr. Ranjan Dey, Dept of Chemistry visited Cambridge University, UK
- Dr. Vijashree Nayak, Dept of Biological Science, University of Texas US

#### **Conferences and workshops**

A total of 12 International conferences and workshops were hosted by BITS Pilani K K Birla, Goa campus during AY 2017-18.

#### **International**

1. Workshop on *'Novel Sanitation Approaches and Emerging Trends in Wastewater*

*Treatment Technology'* was held from 19<sup>th</sup> to 21<sup>st</sup> Dec 2017 - Coordinated by Prof. Srikanth Mutnuri, Department of Biological Sciences.

2. 73<sup>rd</sup> IFIP Working Group 10.4 on '*Dependable Computing and Fault Tolerance*' was held from 11<sup>th</sup> to 15<sup>th</sup> Jan 2018 - Coordinated by Prof. Santanu Sarkar, Department of Computer Science and Information Systems
3. International Conference on '*Reproductive Physiology and Comparative Endocrinology (ICRPCE)*' and the 36<sup>th</sup> annual meeting of the Society for Reproductive Biology and Comparative Endocrinology (SRBCE) was held from 20<sup>th</sup> to 22<sup>nd</sup> Jan 2018 - Coordinated by Dr. Arnab Banerjee (Co-convener), Department of Biological Sciences.
4. The First Symposium on '*Sustainable Technologies for Food Processing And Preservation*' was held on 8<sup>th</sup> - 9<sup>th</sup> Feb 2018 - Coordinated by Prof. Souvik Bhattacharyya, Vice Chancellor, BITS Pilani
5. International Conference on Economics and Finance (ICEF-2018) was held on 16<sup>th</sup> - 17<sup>th</sup> Feb 2018 - Coordinated by Dr. Aswini Kumar Mishra, Department of Economics.
6. The Eighth DAE – BRNS Biennial Symposium on '*Emerging Trends in Separation Science and Technology (SESTEC – 2018)*' was held from 23<sup>rd</sup> to 26<sup>th</sup> May 2018 - Coordinated by Prof. Mainak Banerjee (Co-convener), Department of Chemistry.
7. International Conference on Discrete Mathematics and its Application was held from 7<sup>th</sup> to 10<sup>th</sup> July 2018 - Coordinated by Dr. Tarkeshwar Singh, Department of Mathematics.
8. 12th World Congress 2018 of the Regional Science Association International (RSAI) was held during 29<sup>th</sup> May – 1<sup>st</sup> June 2018.

## **National**

1. 9<sup>th</sup> Expert Committee meeting in Physics and Mathematical Sciences was held on 4<sup>th</sup> - 5<sup>th</sup> Aug 2017 - Coordinated by Prof. P. Nandakumar, Department of Physics.
2. Workshop on *Use of Statistical Package for the Social Sciences (SPSS)* was held on 3<sup>rd</sup> - 4<sup>th</sup> Nov 2017 - Coordinated by Dr. Aswini Kumar Mishra, Department of Economics.
3. 55<sup>th</sup> National Metallurgist Day (NMD) and 71<sup>st</sup> Annual Technical Meeting (ATM) of

Indian Institute of Metals (IIM) | NMD-ATM 2017 was held from 11<sup>th</sup> to 14<sup>th</sup> Nov 2017 - Coordinated by Prof. D M Kulkarni, Department of Mechanical Engineering.

4. Workshop on '*Experimental Methods in Cognitive Neuroscience*' was held on 15<sup>th</sup> - 16<sup>th</sup> Dec 2017 - Coordinated by Dr. Veeky Baths, Department of Biological Sciences.
5. Symposium and Workshop of Analytical Youth of Applied Mechanics (SWAYAM) 2018 was held from 4<sup>th</sup> to 6<sup>th</sup> July 2018 - Coordinated by Dr. Sandeep Singh, Department of Mechanical Engineering.

In addition to the above, the campus also conducted,

1. Workshop on '*Process Modeling and Simulation*' held on 21<sup>st</sup> - 22<sup>nd</sup> Dec 2017 - Coordinated by Prof S D Manjare, Department of Chemical Engineering.
2. Workshop on '*Problem Identification, Ideation, and Conceptualization*' held on 30<sup>th</sup> Nov 2017 - Coordinated by Prof. Mridula Goel, Centre for Innovation, Incubation, and Entrepreneurship.
3. Workshop on '*Engineering-Economics-Entrepreneurship*' conducted by Fulbright Specialist: Ashok Kumar Ghosh, from New Mexico Tech, USA and other expert faculties from BITS.
4. Workshop for PnB MetLife Officials held on June 10 2018 – Co-ordinated by Prof. Debasis Patnaik, Department of Economics.

### **Student achievements**

Our students have always enjoyed a pride of place in our success by winning honors in various spheres. Often we find a number of students opting for internships abroad (France, Germany, and USA) out of their own initiatives, during the summer of their third year. They participate in various competitions and win accolades. Some of the significant achievements of the students for the year 2017-18 are:

- Devashish Vikas Gupta (2017A4PS0151G) and Dinku Sarmah(2016A7PS0004G) – Awarded Aditya Birla Group Scholarship for 2017-18
- Lokesh Garg(2015B3A30418G) selected as 'Technical Wizkid' , awarded by Department of IT, Goa
- Kishore Gopalakrishnan (2014B5A40523G) earned a Gold medal in the NGPE (National Graduate Physics Exam 2017) which was conducted by IAPT (Indian Association of Physics Teachers)



- Yash Agarwal(2015A4PS383G) and Miheer Joshi(2015A4PS354G), second-year Mechanical Engineering students, under the mentorship of Dr. Kiran D. Mali, participated in the National level "Student mechanism design contest (SMDC 2017)". They won the 3rd prize.
- Yashasvi Joshi(2013A8PS751G)graduated this year with a score of 99.80 percentile in CAT 2016.
- Rohan Goel (2014A7PS014G) secured two internships abroad: one in May-July 2017 at Dublin Institute of Technology in Ireland and the other in August-December 2017 at LIRMM, the University of Montpellier in France.
- Ketan Pant (2013A8PS413G) is admitted to Stanford University for his Master's in Electrical Engineering and is pursuing the same starting September 2017.
- Siddharth Kumar (2014A1PS545G), a fourth-year undergraduate majoring in Chemical Engineering, is currently pursuing his Thesis (Internship) at a joint lab of Massachusetts Institute of Technology, Harvard University and Brigham and Women's Hospital in Boston.
- Dhanajai Sharma(2014A3PS197G)is currently working as an Intern at Acoustic Research Laboratory, National University of Singapore.
- Yash Mehta(2014A7PS0103G)is pursuing a thesis on Natural Language Processing in Nanyang Technological University, Singapore.
- Akhilesh Anilkumar Siddhanti(2014B4A70894G)presented two papers in the SPACE 2017 conference.
- Filmmaking Club BITS Goa made a short film titled "A Late Knock", directed by Taha Faraz(2015B1A40807G)which got nominated in the Jaipur International Film Festival 2018 in the Mobile Film category.
- Vatsal Tolasaria (2013B2A1684G)won the second Place at the All Goa Open Major Ranking Tennis Singles Championship, at BPS Margao, organized by BPS Club Margao, Goa.
- Jain Honey Ashok (2014B1A30875G)got selected for a funded 2-month research internship at Unité de glycobiologiestructurale et fonctionnelle (UGSF-CNRS) in Lille, France.



- Patil Siddhant Vitthal (2015A8PS0475G) presented a paper titled "Color Analysis and Classification Based on Machine Learning Technique Using RGB Camera" (name of authors: Siddhant Vitthal, Sundaresan Balasubramanian, Pravin S. Mane, page no: 359-363), in IEEE -international conference on Computational Intelligence and Computing Research (ICCIC)
- The design idea UMAMS(Universal Modular Armoured Mobility Solution) has been selected for the third phase (Quarterfinals) in the INDIA INNOVATION CHALLENGE DESIGN CONTEST2017 organized by DST and Texas Instruments Inc., anchored by NSRCEL @ IIM Bangalore. The team who contemplated the idea was a two-membered group consisting of Jayant Jhamb (2015B2A40678G) and Shreyash Kumar (2015A4PS0147G)
- Association of MSc Mathematics students organized Department Week, MATHLETES, during January 29 - February 3, 2018. Some enthralling tests/competitions have been conducted for the students of Institute
- Unay Shah (2016A3PS0143G) won the "I am Shutterbug Student Photography Contest" organized by Nikon India.
- Arunav Konwar (2013B1A80905G) was selected to attend and give a talk at Global Community Bio Summit 2017 at Massachusetts Institute of Technology (MIT) at Cambridge, MA, U.S.A, in September 2017
- Amit Agarwal (2014A7PS0403G) was amongst 19 candidates in India to be selected for the prestigious IUSSTF-Viterbi Program, 2017
- Sarthak Singh (2014B2A80710G) was one of the 15 fellows selected from across six countries to intern with Government of Andhra Pradesh.
- Project Apeiro India's First Student-Led Micro-satellite – 2014B5A30599G Deshpande Sanket Sushil; 2014B5A30449G Lucky Nagendra Kapoor; 2013B5A30726G Shivangi Kamat; 2013B1A10935G Vibhav Joshi; 2013B4A70381G Pankaj Tiple.
- Rachith Aiyappa (2014B5A40469G) - finished Winner in the Men's Doubles Category and Runner-up in the Men's Singles Category of the Gadre Gaspar Dias Open 2018 conducted by Clube Tennis de Gaspar Dias in association with the Goa State Tennis Association

- Sarthak Singh (2014B2A80710G) - selected as an official participant for the Climate Force: Antarctica 2018 Expedition, which was held from 27 Feb – 12 Mar 2018.
- Aman Dalal (2014A4PS0346G) - awarded the Holland Scholarship by the Dutch Ministry of Education Culture and Science and the TU Delft Faculty Scholarship to study MSc Integrated Product Design at the Department of Industrial Design Engineering at TU Delft, The Netherlands. Both scholarships are awarded to excellent international students with a research-oriented goal and will cover a total of 30,000 Euros worth of expenses.
- Joisher Heer Vipul(2014B1A30709G) - Khorana Scholarship 2018 sponsored by Dept of Biotechnology, Govt. of India, Indo US science and technology forum (IUSSTF) and Winstep forward
- Jain Honey Ashok (2014B1A30875G) - Mitacs Globallink Research internship 2018 sponsored by Govt. of Canada
- Nissim Gore Datar(2014B1A40939G) - Summer undergraduate research fellowship of the California Institute of Technology - Caltech SURF 2018

We have an ambitious plan ahead of us, to take BITS Pilani to much greater heights. All the faculty, staff and students at the Goa Campus are geared up to meet the challenges of achieving our Vision. The achievements of our faculty, staff, and students, increased national and international focus on collaborations, gives us the confidence that we are on the right path to excellence.

We look at our graduates with pride. I look forward to this graduating batch to strive for the best. On behalf of all at BITS, I wish them great success.

### **G. Raghurama**

*Senior Professor & Director*

Birla Institute of Technology and Science

KK Birla Goa Campus

## DISTINGUISHED ALUMNUS AWARD 2018

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***Prof. Reena (Garg) Aggarwal***

Prof. Reena Aggarwal obtained her MMS degree from BITS Pilani in the year 1979 and subsequently did her Ph.D. from University of Maryland, USA in 1985. She is at present Vice Provost for Faculty at Georgetown University and Robert E. McDonough Professor of Finance at Georgetown's McDonough School of Business. She is also the Director of the Georgetown Center for Financial Markets and Policy, Georgetown University, Washington DC, USA.

Prof. Aggarwal has held various positions including Interim Dean and Deputy Dean of Georgetown's McDonough School of Business; Distinguished Scholar at the Reserve Bank of India's CAFRAL; Visiting Professor of Finance at MIT's Sloan School of Management; FINRA Academic Fellow and FINRA Economic Advisory Board; Academic Fellow at the U.S. Securities and Exchange Commission; Visiting Research Scholar at the IMF; Fulbright Scholar to Brazil; and the World Economic Forum's Global Agenda Council on the Future of Financing and Capital.

Prof. Aggarwal specializes in global financial markets, market regulation, securities exchanges, ETFs, IPOs, institutional investors, private equity, valuation, and corporate governance. She is a prolific scholar and has received widespread recognition for her extraordinary contributions in the field of global finance. She was honored with the Allan N. Nash Distinguished Doctoral Graduate Award by University of Maryland, and was selected as the Georgetown Wall Street Alliance honoree. Her research has been recognized for addressing global governance challenges and she received the prestigious BlackRock-National Association of Corporate Directors Award for Global Challenge for Innovation in Corporate Governance. She was honored with Most Cited Articles Award for 2005-2009 by Elsevier's Economics and Finance Journals; Best Paper Award, China International

Conference in Finance; and was conferred with Research Award by Institute of Quantitative Research in Finance (Q-Group).

Her research contributions are highly relevant in the area of global financial markets. She has published more than 50 research papers in leading journals such as – *Journal of Finance*, *Journal of Financial Economics*, *Review of Financial Studies*, *Journal of Financial and Quantitative Analysis*, *Journal of Banking and Finance*, *Financial Management*, *Journal of Applied Corporate Finance* and *Journal of Portfolio Management*. Her scholarly work is impactful with a large number of citations.

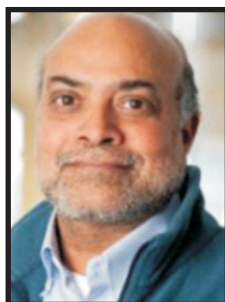
She has been named among "Outstanding Faculty" in the Business Week Guide to the Best Business Schools, and has been voted an outstanding professor by Executive MBAs.

Prof. Aggarwal serves on the Board of Directors of Cohen and Steers, New York Life Investment Management IndexIQ, Brightwood Capital, and REAN Cloud. She is a member of FTSE Russell Academic Advisory Board. She has consulted for governments, law firms, companies, stock exchanges, and for organizations including IMF, World Bank, UN, IFC, OPIC, IADB, and OECD. Her research and analysis is regularly cited in *Financial Times*, *Wall Street Journal*, *New York Times*, *Washington Post*, *Forbes*, and *CNBC*, among others.

The Distinguished Alumnus Award in the category of Academia and Research is awarded to Prof. Reena Aggarwal, in recognition of her outstanding contributions to the society. Through her achievements, Prof. Reena Aggarwal has brought glory and laurels to her Alma Mater – BITS Pilani.

## DISTINGUISHED ALUMNUS AWARD 2018

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***Prof. Prabhu. L. Pingali***

Prof. Prabhu. L. Pingali obtained his M.A. (Hons) in Economics from BITS Pilani in the year 1977. He subsequently received a Ph.D in Economics from North Carolina State University in 1982. He is the Founding Director of the Tata-Cornell Institute and a Professor in the Charles H. Dyson School of Applied Economics and Management, with a joint appointment in the Division of Nutritional Sciences, in the College of Agriculture and Life Sciences, Cornell University. Prior to moving to Ithaca, New York, in June 2013, he was the Deputy Director, Agriculture Development Division of the Bill & Melinda Gates Foundation in Seattle, Washington from 2008 to 2013.

Dr. Pingali was the President of the International Association of Agricultural Economists (IAAE) from 2003-2006. He was Director of the Economics Program at CIMMYT, Mexico from 1996-2002 and an Agricultural Economist at the International Rice Research Institute (IRRI) at Los Baños, Philippines from 1987-1996, and prior to that at the World Bank's Agriculture and Rural Development Department from 1982-1987.

Dr. Pingali is an internationally recognized expert in agricultural development and food security. He has written ten books and over 100 refereed journal articles and book chapters on food and nutrition policy.

He is recipient of prominent International Honors/Awards for his distinct contributions to Agricultural Economics and Development, such as: Outstanding Alumnus (2010), North Carolina State University; Honorary Life Member, International Association of Agricultural Economists (2009); Elected Member, (Foreign Fellow) U.S. National Academy of Sciences (2007); Distinguished Fellow of American Agricultural Economics Association (2006); Outstanding Publication Award shared with A.C. Rola for "Pesticides, Rice Productivity, and

Farmers' Health: An Economic Assessment" (1997) Philippine National Academy of Sciences and Technology; M.S. Swaminathan Award for Social Science Research and Development for the book "Pesticides, Rice Productivity and Farmers' Health: An Economic Assessment" (1993) and Quality of Research Discovery Award for the book entitled "Agricultural Mechanization and the Evolution of Farming Systems in Sub-Saharan Africa., American Agricultural Economics Association (1988).

The Distinguished Alumnus Award in the category of Academia and Research is awarded to Prof. Prabhu. L. Pingali, in recognition of his outstanding contributions to society. Through his achievements, Prof. Prabhu L Pingali has brought glory and laurels to his Alma Mater – BITS Pilani.

## DISTINGUISHED ALUMNUS AWARD 2018

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***Prof. Arun K Somani***

Prof. Arun K Somani holds a Bachelor's degree in Electronics Engineering from BITS Pilani in 1973. He subsequently did his M.Tech. in Computer Engineering, from IIT Delhi in 1979, and M.S. and Ph.D. in Electrical Engineering from McGill University, Montreal, Canada in 1983 and 1985, respectively. He is currently Anson Martin Distinguished Professor of Electrical & Computer Engineering, Associate Dean for Research, College of Engineering & Philip and Virginia Sproul Professor, Iowa State University, USA. He has made pioneering contributions through his research in the areas of System-Level Diagnosis, Fault Tolerant Computer System, Reliability Analysis Tools and Techniques, Managing Soft Faults in Computer Systems, VLSI Systems, Proteus Multi-Computer System, GPS-Denied Navigation and Augmentation, Image-Based Navigation, Architectures, Algorithms, and Fault, and Attack Management in WDM networks, etc.

His research contributions have a great recognition amongst researchers as evident from having a citation indices of ~9,000, H-index of 49 and i10 index of 168. He has mentored more than 40 Ph.D. students, 85 master's students and has more than 350 publications. He has co-authored ~20 books and book chapters and holds 11 patents.

He has developed, designed and implemented Proteus multi-computer system – a fully reconfigurable high performance computer system – for computer vision applications using mathematical morphology for Coastal Navy. His research outcomes, architectures, algorithms, and tools and methods developed for analysis and education have been and are actively being utilized by leading companies such as Boeing, Singapore Defense, Honeywell, GE Locomotive division, Lucent, Rockwell Collins, Lockheed Martin, and several universities.

He has received widespread recognition for his extraordinary contributions to the field of teaching and research. He is recipient of prominent Honors/Awards for his research and leadership/service roles including Distinguished Professor, 2007; Department Leadership, 2008; Mervin S. Coover Distinguished Service Award, 2010; first Recipient of Philip and Virginia Sproul Professorship, 2014-2019; and first Recipient of Jerry R. Junkins Chair Professorship, 2002-2014; all at Iowa State; Awarded Eminent Engineer of Tau Beta Pi Engineering Honors Society; Elected Fellow of IEEE for “contributions to theory and applications of computer networks,” 1999; Distinguished Engineer of ACM, 2006; Elected Fellow of AAAS for “distinguished contributions to the theory and practice of dependable computing and networking systems, including design, development, implementation, and building experimentation platforms,” 2012.

The Distinguished Alumnus Award in the category of Academia and Research is awarded to Prof. Arun.K.Somani, in recognition of his outstanding contributions to the society. Through his achievements, Prof. Arun.K.Somani has brought glory and laurels to his Alma Mater – BITS Pilani.



## DISTINGUISHED ALUMNUS AWARD 2018

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***Mr. Ajoyendra Mukherjee***

*Mr. Ajoyendra Mukherjee completed his B.E. in Electrical & Electronics Engineering from BITS Pilani in 1980. He joined Tata Consultancy Services, a leading global IT services, consulting and business solutions organization, immediately after his graduation from BITS and has gone on to become the Executive Vice President & Global Head of Human Resources. He also heads the India and Middle East & Africa (MEA) markets for TCS.*

During his 38 year career in TCS, Ajoy has worked in diverse roles and a variety of technical platforms and has led the delivery of a number of challenging programs for TCS customers world-wide. He has played a key role in several landmark projects in Banking & Financial Services, Utilities, Manufacturing and Government. Ajoy has played a key role in scaling up TCS to over 394,000 professionals and ensuring that the global human resources function is continuously responding to the challenges and opportunities of a dynamic industry. Under his able guidance at an overall level, the focus on training resulted in over 247,000 employees getting trained on digital technologies, and 208,000 employees trained on Agile methodologies.

Under Ajoy's leadership, TCS has received innumerable HR accolades and awards. Some of the awards include - Recognized as a Top Employer globally for the third consecutive year by the Top Employer Institute; Named among the Top job creators in the USIT Services Sector by the Cambridge Group; Recognized as one of the Achievers 50 Most Engaged Workplaces™ in North America, for the fifth consecutive year; Won two awards in the Forbes 2017 Global 2000 list, as one of the Top Regarded Companies and as one of the World's Best Employers; Won a Gold Stevie® and two Silver Stevies® for Achievement in Employee Engagement in the Americas, and Achievement in Recruitment and Employer of the Year at the Stevie® Awards for Great Employers (SAGE).

Ajoy also heads the TCS CSR function, and is on the Board of TCS Foundation. Under his leadership TCS earned a place in the Global Dow Jones Sustainability Index (DJSI) for the fifth consecutive year, and in FTSE4 Good's Emerging Index. He has also been a key member of the corporate leadership team driving change and efficiency of TCS internal delivery processes. He is on the board of AP Online, a joint venture between TCS and Government of Andhra Pradesh. He is also a director in WEBEL board, a Government of West Bengal enterprise responsible for the development of Electronics & IT Industry in West Bengal. He is a member of IEEE and CSI (Computer Society of India).

He has been regularly featured and interviewed in leading Business media including the print and TV channels for his strategic contributions in the area of Human Resources and company's growth and strategy.

The Distinguished Alumnus Award in the category of Corporate Leadership is awarded to Mr. Ajoyendra Mukherjee, in recognition of his outstanding contributions to the society, as a Corporate Leader. Through his achievements, Mr. Mukherjee has brought glory and laurels to his Alma Mater - BITS Pilani.

## DISTINGUISHED ALUMNUS AWARD 2018

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***Ms Prasanna Gopalakrishnan***

Ms Prasanna Gopalakrishnan did her M.Sc. (Tech) Instrumentation from BITS Pilani in the year 1991 and subsequently did MBA – Finance and International Management from D'Amore – McKim School of Business at Northeastern University, Boston, USA in 2012. She is currently the Chief Information Officer, Consumer and Small Business Operations at Bank of America, Charlotte, NC.

Prior to this, Ms. Gopalakrishnan served as the Executive Vice President, Chief Digital and Information Officer at Boston Private, Boston, MA. She is a Fintech executive who has been leading the financial services industry for 20+ years. She specializes in Digital transformation efforts centered on Client experience and works closely with her Business Leaders to drive growth and new business model centric strategy through Digital Transformation. She served as the Chief Information Officer of Campus Services at Harvard University, where she led an IT organization supporting a portfolio of 12 business units within a diversified set of industry segments of Harvard Campus Services. She had also served in various key roles at Fidelity Investments, Thomson Reuters and State Street Bank.

Ms. Gopalakrishnan is passionate about developing women in technology and serves in various platforms and capacities to support developing women in leadership. She is passionate about developing youth and motivating them to reach their high potential. She also advises tech start-up CEOs in Silicon Valley and other locations, on business models, platform & product development. She has also served as an advisory board member in several technology start-ups in USA and UK.

She has received widespread recognition for her extraordinary contributions to the field of technology. Diversity MBA Magazine recognized her as one of the “Top 100 Under 50

Executive Leaders in 2015 and Constellation research recognized her as the one of top 150 – Business Transformation Leader (BT-150) among global leaders leading transformation efforts within their organization in 2017.

The Distinguished Alumnus Award in the category of Corporate Leadership is awarded to Ms. Prasanna Gopalkrishnan, in recognition of her outstanding contributions to the society, as a Corporate Leader. Through her achievements, Ms. Prasanna Gopalakrishnan has brought glory and laurels to her Alma Mater – BITS, Pilani.

## DISTINGUISHED ALUMNUS AWARD 2018

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***Dr. Anand S Rao***

Dr. Anand S Rao did his M.Sc. (Tech) – Computer Science from BITS Pilani in the year 1984. He subsequently did Ph.D. in the area of Artificial Intelligence from University of Sydney in 1988 and thereafter graduated with Distinction in MBA in Finance & Technology from Melbourne Business School, Australia in 1997. He is currently Global Artificial Intelligence and Innovation Lead (Data & Analytics) & Partner, PricewaterhouseCoopers (PwC), USA.

He has worked extensively on business, technology, and analytics issues across a wide range of industry sectors including Financial Services, Healthcare, Telecommunications, Aerospace & Defense, across US, Europe, Asia and Australia. His work has included behavioral economics, simulation modeling, global growth strategies, marketing, sales, and distribution strategies, online, mobile, social media strategies, customer experience, multi-channel integration, risk management and compliance, large scale program mobilization and management. Before his consulting careers, Anand was the Chief Research Scientist at the Australian Artificial Intelligence Institute, a boutique research and software house. He brings a unique combination of business domain experience, statistical, and computational analytics expertise to generate unique insights into the theory and practice of 'data science' and artificial intelligence.

Dr. Anand has also co-edited four books on Intelligent Agents and has published over fifty papers in Computer Science and Artificial Intelligence in major journals, conferences, and workshops. He is a frequent speaker at technology and business forums on analytics, Artificial Intelligence, behavioral economics, and innovation. He has served on the Organizing and Program Committees of International Journals, Conferences, and Workshops. He has also served as a non-executive board member in for-profit and not-for-profit institutions.

He has received widespread recognition for his extraordinary contributions to the field of consulting and research in the emerging areas with relevance to the society at large. He has received the Most Influential Paper Award for the Decade in 2007 from the Autonomous Agents & Multi-Agent Systems organization for his contribution on the Belief-Desire-Intention Architecture; MBA Award of Distinction from Melbourne Business School, 1997 and University Postgraduate Research Award (UPRA) from University of Sydney, 1985; recognized as one of Top 50 Data & Analytics professionals in USA and Canada by Corinium; one of Top 50 professionals in InsureTech; and his recent paper on “A Strategist's Guide to Artificial Intelligence” has won the National Gold Award by ASBPE for the Best Technical article in 2017 and the FOLIO editorial award.

The Distinguished Alumnus Award in the category of Corporate Leadership is awarded to Dr. Anand S Rao, in recognition of his outstanding contributions to the society, as a Corporate Leader. Through his achievements, Dr. Anand S Rao has brought glory and laurels to his Alma Mater - BITS Pilani.

## DISTINGUISHED ALUMNUS AWARD 2018

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***Mr. Anupendra Sharma***

Mr. Anupendra Sharma did his B.E. - Instrumentation Engineering and M.Sc.-Economics from BITS Pilani in the year 1992. Thereafter, he did his MS - Accounting & Finance from Alliance Manchester Business School in 1993, ACMA - Chartered Management Accountant from The Chartered Institute of Management Accountants in 1997 and MBA from Cornell University, USA in 1998. He is currently holding the position of the Global VP of Growth & Business Development at Siemens Healthineers within Enterprise Services & Solutions. In this role, he partners with innovative companies to create new business lines for Siemens in healthcare services. For eleven years, he was Senior Investment Partner at Siemens Venture Capital / Next47. Anupendra served on the Board of several medtech, diagnostics, healthcare services and biotechnology companies in the USA and China. Prior to SVC, Anupendra spent eight years in M&A at JPMorgan, Salomon Smith Barney and Siemens. He also worked in strategy consulting for McKinsey, and Product Development Finance for Ford, where he was a member of the core team that set-up Ford in China and India.

Anupendra is a strong believer in entrepreneurship education. He founded the Start-up Leadership Program in 2006, which has educated 3,000 entrepreneurs in 28 cities in 13 countries who have started more than 1,700 companies that have raised \$ 650 million. More than 60 start-ups have been acquired. Through this not for profit program, SLP supports education programs for 1,000 children around the world. He also co-created and teaches the Healthcare Innovation & Commercialization course at Harvard Medical School since 2009 that has educated 700 MDs, PhDs, Postdocs and faculty. This program now forms the core of the Entrepreneurship Certificate at Harvard Medical School.

Anupendra also co-founded the Center for Entrepreneurial Leadership at BITS Pilani, named one of India's top five entrepreneurship centers in India. He also co-founded the

Massachusetts Life Sciences Initiative Day (MALSI Day) which is an annual gathering in Boston recognizing the commercializable research coming out of top universities, and brings together the leading researchers, entrepreneurs and venture capitalists. Anupendra serves as a mentor, reviewer or judge for several entrepreneurial organizations including National Cancer Institute, Harvard i-Lab, MIT, MassChallenge and TiEScaleup.

He was Co-Founder & Chairman of Mobile Medics Healthcare, named the Most Outstanding Social Venture of the Year at the Global Social Venture Competition in 2006 for tackling the last mile problem of healthcare. Mobile Medics became the foundation for Piramal Group's eSwasthya which runs in hundreds of villages.

The Distinguished Alumnus Award in the category of Entrepreneurship/Public Life/Philanthropy is awarded to Mr. Anupendra Sharma, in recognition of his outstanding contributions to the society. Through his achievements, Mr. Anupendra Sharma has brought glory and laurels to his Alma Mater - BITS Pilani.



## DISTINGUISHED ALUMNUS AWARD 2018

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***Mr. Tushar Jain***

Mr. Tushar Jain did his M.Sc. – Economics and Master of Management Studies (MMS) from BITS Pilani in the year 1993. He had a missionary and entrepreneurial zeal to contribute something meaningful to society from the very beginning. He set up his own Micro-Irrigation business with indigenous technology to empower farmers globally, by conceiving irrigation components and irrigation systems at par with the best in the world.

Mr. Tushar Jain started his Micro Irrigation business in 1996 and subsequently promoted Automat Irrigation Pvt Ltd. He has been Independent Director in multiple organizations in various sectors. He was the first Indian to be certified by the Irrigation Association as a certified Landscape Irrigation Auditor. He has been instrumental in setting up 500 Demo Farms across India to disseminate water management practices and yield- increasing technologies and 100 other Demo Farms in other parts of the world, including Chile, Morocco, Egypt, Tunisia, Brazil, Argentina, Turkey, Mexico etc. His mission is to continuously innovate for the benefit and productivity of the global farming community. Today Automat makes more than 350 products – that are part of micro-irrigation systems across the world and are marketed by the biggest names in the business.




Some key current disruptive projects in progress under his leadership are - Drones for dissemination of Insecticides and Herbicides, a cellphone operated Valve for the well which operates an Irrigation System, and an extremely low cost Fertilizer Injector which can enable dosing of 2 different fertilizers at the same time.

He founded Automat Foundation Trust in 2012 that provides financial assistance for education of the girl child. The Trust also provides financial assistance to those suffering from critical or terminal illness. A Homeopathic Dispensary & Physiotherapy Centre has also been set up in his home town - Saharanpur.

His contributions have received recognition in the form of many premier Awards and Honours. He has been conferred with the 4th National Award for Technology Innovation - Ministry of Chemicals & Fertilizers in 2013-14; Entrepreneur of the Year Award- ET Now in 2013; National Award by Ministry of Micro, Small & Medium Enterprises in 2015; 7th Plasticon Award- PlastIndia Foundation in 2014-15; The Economic Times Polymers Awards- The Economic Times for Excellence in Agriculture (Fertilizer Tank) & Product Innovation in 2018 and Excellence in Agriculture (Hydrocyclone) & Product Innovation in 2017; SME of the Year - India Mart National Award for Engineering Products in 2012-13. He has been nominated by the Prime Minister, Shri Narendra Modi as one of the Champions of Change to transform India in 2017 and is a member of Core Consulting Committee of the Government of India to double farmer's income by 2022.

The Distinguished Alumnus Award in the category of Entrepreneurship/Public Life/ Philanthropy is awarded to Mr. Tushar Jain, in recognition of his outstanding contributions to the society. Through his achievements, Mr. Tushar Jain has brought glory and laurels to his Alma Mater - BITS Pilani.

## LIST OF STUDENTS WHO ARE AWARDED MEDALS

Sl. No	Name and ID No.	Photograph	CGPA obtained	Position obtained	Type of Medal to be awarded
1	AMIT AGARWAL 2014A7TS0403G		9.91	FIRST	GOLD
2	QUADROS KAREN ADITI 2014A7PS0001G		9.77	SECOND	SILVER
3	ADVAIT PRASAD KOPARKAR 2014A3TS0170G		9.73	THIRD	BRONZE

**GRADUATION DATA (82<sup>nd</sup> and 83<sup>rd</sup> AWARD)**  
**BITS Pilani, K K Birla Goa Campus**  
**CONVOCATION 2018**

S. No.	Programmes	B.E./B.Pharm. (Hons.)	M.Sc. (Hons.)	H.D	Ph.D.	Total
<b>First Degrees</b>						
1.	Chemical Engineering	66	-	-	-	66
2.	Electrical & Electronics Engineering	136	-	-	3	139
3.	Electronics & Instrumentation	101			-	101
4.	Mechanical Engineering	108	-	-	5	147
5.	Computer Science	142	-	-	-	126
6.	Biological Sciences	-	29	-	11	40
7.	Chemistry	-	30	-	7	37
8.	Economics	-	45	-	-	45
9.	Mathematics	-	47	-	1	48
10.	Physics	-	40	-	3	43
<b>Higher Degrees</b>						
1.	M.E. Biotechnology	-	-	4	-	4
2.	M.E. Chemical	-	-	6	-	6
3.	M.E. Embedded Systems	-	-	7	-	7
4.	M.E. Computer Science	-	-	8	-	8
5.	M.E. Microelectronics	-	-	11	-	11
Phd					30	
<b>Total</b>		553	191	36	30	810

**82<sup>nd</sup> and 83<sup>rd</sup> Award**  
**CONVOCATION - 2018**  
**5th August, 2018**

**LIST OF STUDENTS RECOMMENDED FOR CONFERMENT OF VARIOUS DEGREES**  
**BITS PILANI, K K BIRLA GOA CAMPUS**

**DOCTOR OF PHILOSOPHY**

<b>SRNO</b>	<b>IDNO</b>	<b>NAME</b>
1.	2009PH290004G	AKRITI RASTOGI
2.	2009PHXF0013G	GELLA LAXMI
3.	2009PHXF0421G	RAJENDRA KUMAR ROUL
4.	2009PHXF418G	SHRUTI BALAJI
5.	2010PHXF0020G	GAWAS MAHADEV ANANT
6.	2010PHXF0021G	BIJIL PRAKASH
7.	2010PHXF0022G	DHONGDI SARANG CHANDRASHEKHAR
8.	2010PHXF0435G	CHETANA ANAND DEOGHARE
9.	2011PHXF0005G	RAMYA R
10.	2011PHXF0006G	JIGNI PATHAN
11.	2011PHXF0007G	GEETHANJALI RAVINDRAN
12.	2011PHXF0009G	VENKATESAN A
13.	2011PHXF0015G	AJAY GHOSH CHALASANI
14.	2011PHXF0020G	GAWALI SHUBHANGI KRUSHNACHANDRA
15.	2011PHXF0021G	SREEJITH V
16.	2011PHXF002G	PALLAVEE SRIVASTAVA
17.	2011PHXF0401G	PRIYANKA DWIVEDI
18.	2012PHXF0001G	S SANKHAR REDDY CH
19.	2012PHXF0002G	MEETHA V SHENOY
20.	2012PHXF0007G	P PRIYADARSHINI PAI
21.	2012PHXF0008G	BANDEKAR DIVYA RAMESH
22.	2012PHXF0011G	ASHU SHARMA
23.	2012PHXF0013G	DALAVI SHANKAR BALU
24.	2012PHXF0015G	SELVAGANAPATHY J
25.	2012PHXF0407G	ATUL SHARMA
26.	2013PHXF0005G	PRAGNYA PARAMITA MISHRA
27.	2013PHXF0006G	BARUN KUMAR GHOSH
28.	2013PHXF0015G	DHAVALA SURI
29.	2013PHXF002G	AKANKSHA SAINI
30.	2013PHXP003G	DIPRATN GOVINDRAO KHANDARE

**HIGHER DEGREE PROGRAMMES**

**M.E.(Biotechnology)**

31.	2016H1290002G	SARANYA
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32.	2016H1290003G	SAPTADWIPA GANGULY
33.	2016H1290004G	NAMITHA.N.N .
34.	2016H1290007G	KACHARE CHAITRA SUNIL

#### **M.E.(Chemical)**

35.	2011HD010588G	ALWIN MICHAEL TOMY
36.	2016H1010008G	MALLADI MANU BHASKARA RAO
37.	2016H1010009G	KALE SOHAM SURENDRA
38.	2016H1010011G	NIKHIL SASIDHARAN
39.	2016H1010012G	SHUCHI
40.	2016H1010013G	AMBIKA NANDA PARAB

#### **M.E.(Embedded Systems)**

41.	2016K1400036G	K S SUMISH
42.	2016K1400037G	SHRUTI R CHITTAWADGI
43.	2016K1400038G	SUHINA PAL
44.	2016K1400039G	RAIKAR RAVEENA RAMANAND
45.	2016K1400040G	DHIVYA N
46.	2016K1400041G	CHAUDHARI LALIT MURLIDHAR LILAWATI
47.	2016K1400042G	R KISHORE KUMAR

#### **M.E.(Computer Science)**

48.	2016H1030014G	MAYANK CHAUDHARI
49.	2016H1030022G	AAKASH NELSON MATTUKOYYA
50.	2016K1030015G	PRNOY BARUA
51.	2016K1030016G	RISHIKESH S
52.	2016K1030017G	DINESH KUMAR SAHU
53.	2016K1030019G	SAURABH SINGH PARMAR
54.	2016K1030020G	AMAN BHALLA
55.	2016K1030021G	ANKIT KANTILAL CHANIYARA

#### **M.E.(Microelectronics)**

56.	2016K1230023G	GITE SNEHAL PANDHARINATH PRAMILA
57.	2016K1230024G	ATHUL PRASAD P G
58.	2016K1230025G	RISHABH BHARGAV
59.	2016K1230026G	BIBEKANANDA BORA
60.	2016K1230028G	ADITYA ANAND
61.	2016K1230029G	ANIRUDH M. V.
62.	2016K1230030G	P SHYAM
63.	2016K1230031G	SAHITHI PALETI
64.	2016K1230032G	CHOVATIYA JVALANT ASHOKBHAI
65.	2016K1230034G	SEETHALAKSHMI RADHAKRISHNAN
66.	2016K1230035G	SHIVANSH PATHAK

## **FIRST DEGREE PROGRAMMES**

### **B.E.(Hons.) Chemical**

67.	2012B1A10621G	NARAYAN BHUTADA
68.	2012B3A10553G	D ABHILASH KUMAR
69.	2013A1PS0551G	KUNAL AGARWAL
70.	2013A1PS0791G	YAKSH REDHU
71.	2013A1PS0911G	AJAY MANHAS
72.	2013A1TS0601G	CHAYAN ANAND
73.	2013B1A10688G	DHAMSANIYA ANAND MAHESHBHAI
74.	2013B1A10704G	UNHALE TANAYA RAJEEV
75.	2013B1A10885G	GARV NAGPAL
76.	2013B1A10907G	R SRINATH
77.	2013B1A10914G	VIGNESH MALLYA ULLAL
78.	2013B1A10935G	JOSHI VIBHAV HEMANT
79.	2013B2A10684G	VATSAL TOLASARIA
80.	2013B2A10686G	VATSAL TIWARI
81.	2013B2A10687G	JAIVARDHAN SINGH CHAUHAN
82.	2013B2A10689G	TULASI RAVINDRAN
83.	2013B2A10858G	ARTH MATHUR
84.	2013B3A10575G	ANIMESH OKHADE
85.	2013B4A10614G	HARSH VIJAY
86.	2014A1PS0315G	BUCH KHANTIL PARAG
87.	2014A1PS0462G	MUTHYALA RAKESH REDDY
88.	2014A1PS0497G	NAIR NIKHIL NARAYANANKUTTY
89.	2014A1PS0528G	SUNEHA BAGRI
90.	2014A1PS0536G	SHUBHAM AJMERA
91.	2014A1PS0542G	ZAMIN ALI AMIR SALMAN
92.	2014A1PS0544G	PARTH BHANDAKKAR
93.	2014A1PS0550G	ACHINT GUPTA
94.	2014A1PS0556G	S ADJAY SAGAR
95.	2014A1PS0561G	SAKSHI MEHRA
96.	2014A1PS0574G	SHIVANGI PANCHOLI
97.	2014A1PS0577G	CHOUDHARI HARDIK SUDHAKAR
98.	2014A1PS0589G	S JISHNU DEVAN
99.	2014A1PS0594G	ABHISHEK AGARWAL
100.	2014A1PS0596G	SAMARTH JAIN
101.	2014A1PS0612G	NAMANI KRISHNANAND
102.	2014A1PS0613G	KRUPA EMMANUEL MANIHAS
103.	2014A1PS0618G	NIKHIL TIWARI
104.	2014A1PS0625G	AJAY ABRAHAM
105.	2014A1PS0638G	HITESH MEHTA
106.	2014A1PS0641G	PULKIT TYAGI
107.	2014A1PS0642G	AYUSH SHRIMAL
108.	2014A1PS0652G	DARVESH SHANTANU SUDHIR

109.	2014A1PS0653G	DAHAKA SHIVANG RAJESH
110.	2014A1PS0666G	SAHIL PALIWAL
111.	2014A1PS0674G	HARDIK VERMA
112.	2014A1PS0750G	SAHIL JAIN
113.	2014A1PS0751G	MANDEEP SINGH
114.	2014A1PS0752G	PRANSHU GUPTA
115.	2014A1PS0754G	S S SASIDHARAN
116.	2014A1PS0755G	MUDIT BOHRA
117.	2014A1PS0812G	KAPIL JAYESH DESAI
118.	2014A1PS0819G	NIKHAR BAJAJ
119.	2014A1PS0821G	ANKUR KUMAR
120.	2014A1PS0831G	SIMONA ACHARYA
121.	2014A1PS0916G	PRANAV GARG
122.	2014A1TS0252G	VELIDANDA SRINIVASA TANMAY
123.	2014A1TS0504G	SHAMBHU A
124.	2014A1TS0545G	SIDDHARTH KUMAR
125.	2014A1TS0582G	SHIMONA NARANG
126.	2014A1TS0626G	MRUNAL A NASERY
127.	2014A1TS0635G	VISHWA PRAKASH
128.	2014A1TS0647G	JOSHI ONKAR MAKARANDRAO
129.	2014A1TS0654G	SARVAJOT SINGH
130.	2014A1TS0816G	IGIN BENNY IGNATIUS
131.	2014A1TS0826G	ADHEEP DAS
132.	2014A1TS0834G	SHIVENDU SHIVAM

#### **B.E.(Hons.) Electrical and Electronics Engineering**

133.	2013A3A70198G	MASCARENHAS EDWIN FREMIOT
134.	2013A3B20186G	DISHANT BANWARI
135.	2013A3B50073G	ANKIT UDAYA KUMAR
136.	2013A3B50179G	VEDANGI BHADRESH PATHAK
137.	2013A3TS0299G	MATCHA RAKESH VARMA
138.	2013B1A30716G	VAIDYA MANAS SATISH
139.	2013B1A30780G	KAUSTUBH TIWARI
140.	2013B1A30874G	VATSAL SANGHVI
141.	2013B1A30878G	ANKIT JAYASWAL
142.	2013B1A30883G	TUSHAR
143.	2013B1A30900G	EEGA AVINASH
144.	2013B1A30936G	HARSHITA CHOUDHARY
145.	2013B2A30732G	VARUN GUPTA
146.	2013B2A30748G	KULKARNI ASAVARI SANJAY
147.	2013B2A30800G	HARSHITA LULLA
148.	2013B2A30847G	ANKIT SINGH
149.	2013B2A30864G	AASHRAY BHANDARI
150.	2013B2A30899G	SHIKHAR WADHWA



151.	2013B3A30375G	MAYANK PODDAR
152.	2013B3A30460G	ADITYA JHA
153.	2013B3A30462G	ADVAIT PAREY
154.	2013B3A30483G	ASHISH KUMAR
155.	2013B3A30497G	VIKAS MISHRA
156.	2013B3A30577G	SANSKAR AGRAWAL
157.	2013B3A30594G	AVINASH KUMAR RAI
158.	2013B3A30633G	GANDHI ANSHUL ANIRUDDHA
159.	2013B3A30638G	HARSHAL GOEL
160.	2013B3A30641G	PRABHAV BHARDWAJ
161.	2013B4A30164G	DARGAR VINAY CHANDRAPRAKASH
162.	2013B4A30425G	JAMBHEKAR NEEL NITIN
163.	2013B4A30581G	ARYAN SINGH
164.	2013B4A30663G	VAIBHAVDEEP SINGH
165.	2013B4A30669G	AROHI PENDHARKAR
166.	2013B4A30706G	SHANTANU
167.	2013B4A30746G	SHOURYA PUNJ
168.	2013B5A30432G	AMAL VIGHNESH I
169.	2013B5A30466G	SHAHNAWAZ AHMED
170.	2013B5A30470G	SANGEETH S VARMA
171.	2013B5A30537G	RAJAT SANCHETI
172.	2013B5A30621G	SHIVENDRA KUMAR
173.	2013B5A30671G	MANISH PATHAK
174.	2013B5A30726G	SHIVANGI KAMAT
175.	2013B5A30827G	AKSHIT GOEL
176.	2014A3PS0042G	KAKARLA YASWANATH SATYARAM CHOWDARY
177.	2014A3PS0046G	VIJAYAKAR ARNAV VIKRANT
178.	2014A3PS0133G	SASTRY KARTIK KRISHNAMURTHY
179.	2014A3PS0134G	RISHABH AHUJA
180.	2014A3PS0139G	KARRI SATYA VAMSI REDDY
181.	2014A3PS0143G	SACHIN NOWAL
182.	2014A3PS0147G	JOSHI VARAD AVINASH
183.	2014A3PS0148G	REPALLE SAI VIVEK
184.	2014A3PS0149G	JAYATI SINGH
185.	2014A3PS0151G	KINJAL MOTWANI
186.	2014A3PS0152G	SHAH DEV DIPESH
187.	2014A3PS0153G	KANDUKURI SAI OMKAR
188.	2014A3PS0155G	SHIVAM GUPTA
189.	2014A3PS0163G	PRADYOT KUMAR KHATUA
190.	2014A3PS0174G	SIDDHARTH MALAYANUR KASYAPA
191.	2014A3PS0185G	SYED AZEEM
192.	2014A3PS0186G	AKSHAYA DEEP SINGHAL
193.	2014A3PS0193G	LENIN GANGWAL
194.	2014A3PS0194G	SUJITH S PAI

195.	2014A3PS0195G	KARAN CHAUHAN
196.	2014A3PS0196G	SHANBHAG VAIBHAVI VIKAS
197.	2014A3PS0199G	DIVYAM MALAY SHAH
198.	2014A3PS0200G	P SAIANURAG REDDY
199.	2014A3PS0201G	LALIT SHEWANI
200.	2014A3PS0209G	TAPESH BHANDARI
201.	2014A3PS0211G	HARSH VARDHAN SINGH
202.	2014A3PS0212G	DIVYANSH JAIN
203.	2014A3PS0214G	LAKSHYA GARG
204.	2014A3PS0220G	HARSHAVARDHAN VALLURU
205.	2014A3PS0222G	MALAK MAHESH SHAH
206.	2014A3PS0225G	LALIT KUMAR SHAH
207.	2014A3PS0228G	MALI WAL HARSH LALIT
208.	2014A3PS0230G	SWATI SHIKHA
209.	2014A3PS0231G	TANYA SHAHI
210.	2014A3PS0238G	KESHAV SINGHAL
211.	2014A3PS0241G	SRIBALAJI M
212.	2014A3PS0243G	ARPITA MEHTA
213.	2014A3PS0250G	SIDDARTH SREENI
214.	2014A3PS0251G	VARANASI ARJUN
215.	2014A3PS0256G	RITESH MOHAN MONGA
216.	2014A3PS0260G	NIKHIL MAHESHWARI
217.	2014A3PS0261G	PRAKHAR SINHA
218.	2014A3PS0263G	BHAKTI VORA
219.	2014A3PS0266G	KELKAR SOHAM SANDEEP
220.	2014A3PS0267G	AKASH DEEP
221.	2014A3PS0268G	BHIMANI KRITIK ASHOK
222.	2014A3PS0273G	WADHWANI DIVYANG NARAYAN
223.	2014A3PS0274G	ANMOL SHUKLA
224.	2014A3PS0276G	ARPIT KAMLAWAT
225.	2014A3PS0277G	CHIMAN JAIN
226.	2014A3PS0278G	DUGAD ANAND MILIND
227.	2014A3PS0280G	SHUBHAM AGRAWAL
228.	2014A3PS0281G	SHREYAS SUKRIT
229.	2014A3PS0282G	ROHAN DUTTA
230.	2014A3PS0284G	AMITH THOMAS
231.	2014A3PS0287G	ANKIT
232.	2014A3PS0291G	ABHINAV SINGH
233.	2014A3PS0292G	MRIDUL JAIN
234.	2014A3PS0293G	DHWANIT MAHAJAN
235.	2014A3PS0300G	ADITI MAHESHWARI
236.	2014A3PS0303G	KELKAR RUJUTA PRASHANT
237.	2014A3PS0305G	VISHAL YADAV
238.	2014A3PS0306G	ANIRBAN BHATTACHARYA

239.	2014A3PS0312G	PIYUSH KHANDELWAL
240.	2014A3PS0313G	ASHKANDH PRASAD
241.	2014A3PS0314G	SHRIYA SRIVASTAVA
242.	2014A3PS0319G	RUTVIK UDAY KASBEKAR
243.	2014A3PS0320G	AKSHAT JHANWAR
244.	2014A3PS0329G	UTKARSH SABOO
245.	2014A3PS0330G	AKASH NAIR
246.	2014A3PS0730G	SHREY GAUR
247.	2014A3PS0756G	P SAI PAVAN
248.	2014A3PS0757G	MOHIT SUNIL SHAH
249.	2014A3PS0760G	MOHIT SRIVASTAVA
250.	2014A3PS0762G	LAVHALE AKSHAY SHIVAJIRAO
251.	2014A3PS0763G	NALIN BHAN
252.	2014A3TS0141G	CHHAJER SHREYANSH PREMCHAND
253.	2014A3TS0167G	AMANKUMAR GADIA
254.	2014A3TS0170G	ADVAIT PRASAD KOPARKAR
255.	2014A3TS0181G	R HARIKRISHNAN UNNITHAN
256.	2014A3TS0197G	DHANANJAI SHARMA
257.	2014A3TS0205G	KUSNUR TUSHAR GURURAJ
258.	2014A3TS0215G	VEENA VIJAI
259.	2014A3TS0218G	AJAI V GEORGE
260.	2014A3TS0221G	PATEL DEVGEET KAMLESHKUMAR
261.	2014A3TS0223G	AROLE SONALI VASANT
262.	2014A3TS0233G	ABHYUDAY PURI
263.	2014A3TS0333G	KARTIK AGGARWAL
264.	2014A3TS0334G	PARVA PATEL
265.	2014A3TS0335G	SANJEEV SRIPADRAJ MURTHY
266.	2014A3TS0758G	DESAI AMEY DEVENDRA
267.	2014A3TS0759G	RANAWAT CHIRAG DINESH
268.	2014A3TS0764G	DSOUZA RYAN JUDE

#### **B.E.(Hons.) Electronics and Instrumentation**

269.	2012A8PS0400G	VIPUL SAINI
270.	2012B3A80449G	N AKSHAY NARASIMHA
271.	2012B4A80582G	PRANAV MISHRA
272.	2012B4A80768G	T P VISHNUVARDHAN
273.	2013A8PS0372G	VINJAM KOUSIK
274.	2013A8PS0482G	SHIVANSHU SHRIVASTAVA
275.	2013A8PS0831G	REMPA L S CHAITANYA
276.	2013B1A80782G	ISHMIN SINGH
277.	2013B1A80805G	UMESH HARGENDRA PATHAK
278.	2013B1A80859G	DEEPAK KUMAR
279.	2013B1A80860G	PRAKHAR GUPTA
280.	2013B1A80889G	VAIBHAV AGARWAL

281.	2013B1A80905G	ARUNAV KONWAR
282.	2013B2A80741G	HIMANSHU ARORA
283.	2013B2A80770G	AKSHAY JHA
284.	2013B2A80771G	SHIVAM BAJPAI
285.	2013B2A80799G	AGRIM AGARWAL
286.	2013B2A80835G	VIVEK KUMAR
287.	2013B2A80846G	BAILEY CLYDE SUNIL
288.	2013B2A80861G	SHIVAM KUMAR
289.	2013B2A80877G	SAMYAK DHOLE
290.	2013B2A80906G	B SRUJAN REDDY
291.	2013B2A80926G	SAKSHAM MEHTA
292.	2013B2A80941G	DEVABHAKTUNI AKHILA DEVI
293.	2013B3A80536G	AKSHIT ANAND
294.	2013B3A80636G	HIMANSHU SINGHAL
295.	2013B4A80525G	GOENKA NEETI AJAY
296.	2013B4A80526G	RAVINUTULA SAI UMESH KUMAR
297.	2013B4A80545G	SUNIT JAIN
298.	2013B4A80590G	VICHAR SHROFF
299.	2013B4A80608G	SHIVRAJ SINGH
300.	2013B4A80627G	APOORV GARG
301.	2013B4A80661G	TIGULLA VIRINCHI SHARMA
302.	2013B4A80662G	MRIDUL SETH
303.	2013B4A80666G	SHUBHAM GUPTA
304.	2013B4A80690G	KSHITIZ PANDEY
305.	2013B4A80833G	MANAV SEHGAL
306.	2013B4A80836G	SIDDHARTH IYER
307.	2013B5A80456G	PRABHUNE RHUSHIKESH ANAND
308.	2013B5A80622G	PRADHAN SARTHAK BHUSHAN
309.	2013B5A80650G	SIDDHARTH HARSHE
310.	2013B5A80674G	RISHABH SRIVASTAVA
311.	2014A8PS0342G	DIVYANK JAIN
312.	2014A8PS0363G	ABHIK ADARSH
313.	2014A8PS0366G	SPANDAN KANU KACHHADIA
314.	2014A8PS0370G	THAKKAR PARTH ASHWIN
315.	2014A8PS0378G	SHWETA CHATURVEDI
316.	2014A8PS0380G	SIDDHARTHA
317.	2014A8PS0397G	SHASHWAT GUPTA
318.	2014A8PS0400G	AKSHIT GOYAL
319.	2014A8PS0407G	DAVE PRERNA PRAVEEN
320.	2014A8PS0408G	RAHUL MEHTA
321.	2014A8PS0410G	LEAH RACHEL CHACKO
322.	2014A8PS0411G	RAHUL KUMAR TIWARY
323.	2014A8PS0416G	NERLEKAR AMEYA RAHUL
324.	2014A8PS0417G	PIYUSH TIWARI

325.	2014A8PS0420G	TUSHAR GOTHANKAR
326.	2014A8PS0421G	NISHANT JHA
327.	2014A8PS0422G	ARINDAM DHAR
328.	2014A8PS0423G	DASARI PAVAN SAI
329.	2014A8PS0424G	KADAMBALA VARUN KUMAR
330.	2014A8PS0430G	SHUBHAM SARASWAT
331.	2014A8PS0432G	VALLA KURMANADHA RAO
332.	2014A8PS0434G	ISHANT GUPTA
333.	2014A8PS0435G	RAVINDRA NISHANT N RAVEENDRADOSS
334.	2014A8PS0436G	SHANTAM KUMAR
335.	2014A8PS0440G	ABHIJEET PANDEY
336.	2014A8PS0441G	BACCHAV VAIBHAV KAILAS
337.	2014A8PS0444G	CHANDUPATLA ANURAG REDDY
338.	2014A8PS0446G	SWAMINATHAN BALACHANDRAN
339.	2014A8PS0450G	TEJAS AGRAWAL
340.	2014A8PS0460G	ABHINAV RAJPUT
341.	2014A8PS0461G	AKSHITA MITTAL
342.	2014A8PS0470G	KAUSTUBH POAL
343.	2014A8PS0474G	AKSHAY GINODIA
344.	2014A8PS0481G	NANDAN THAKUR
345.	2014A8PS0493G	AKSHAY KUMAR
346.	2014A8PS0496G	SHIKHAR SALUJA
347.	2014A8PS0500G	ANJANI JOSYULA
348.	2014A8PS0505G	PAWADE SHUBHANKAR ANIL
349.	2014A8PS0507G	DEBADITYA BASU
350.	2014A8PS0514G	ABHILASH DHAR
351.	2014A8PS0518G	ABHAS UPADHAYAYA
352.	2014A8PS0520G	MALANI KSHITIJ SATISH
353.	2014A8PS0521G	VEDANT RAJEEV BAJORIA
354.	2014A8PS0524G	SREEJITH R
355.	2014A8PS0775G	SAHITYA SETU TAHILIANI
356.	2014A8PS0776G	GOYAL RICHANG VINOD
357.	2014A8PS0777G	MOHIT SHARMA
358.	2014A8PS0779G	SURYANSH UPADHYAY
359.	2014A8PS0780G	I JAYANTH
360.	2014A8PS0781G	HITESH KUMAR BALAPANURU
361.	2014A8PS0840G	V KALYAN RAM
362.	2014A8PS0841G	NIHIT JAIN
363.	2014A8PS0848G	TAABISH SAEED ALAM
364.	2014A8PS0853G	GAURAV BAHIRVANI
365.	2014A8TS0164G	SANKAR MANOJ
366.	2014A8TS0166G	JOSHI SHRUTI ABHIJIT
367.	2014A8TS0471G	SHUBH VACHHER
368.	2014A8TS0498G	PRABHU KHOPE SAIRAJ SANJAY

369. 2014A8TS0855G SUDHAMSHU M HOSAMANE

**B.E.(Hons.) Mechanical Engineering**

370.	2011B5A40362G	PATIL MOHIT UDDHAV
371.	2011B5A40402G	KAUSTUBH KUMAR
372.	2012B1A40655G	SHIRODKAR ADITYA
373.	2013A4B50280G	AABIR ABUBAKER KAR
374.	2013A4PS0137G	J SHANKAR NARAYANAN
375.	2013A4PS0265G	NISCHAY BHADU
376.	2013A4PS212G	NAGAMPALLY VIVEK REDDY
377.	2013A4PS338G	PRANAB KUMAR PATHAK
378.	2013B1A40749G	SRIJANI BISWAS
379.	2013B1A40789G	SAMYAK TATIA
380.	2013B1A40901G	EAGA AKHIL
381.	2013B2A40692G	RISHAV KISHAN GUPTA
382.	2013B2A40705G	MOHAMED IRFHAN HILALY
383.	2013B2A40777G	B VARUN REDDY
384.	2013B2A40882G	SUMIT ARYA
385.	2013B3A40398G	VAIBHAV SHARMA
386.	2013B3A40598G	PATIL ADITYA ARUN
387.	2013B3A40599G	PRAKARSH CHAUHAN
388.	2013B3A40628G	SHASHWAT PAREEK
389.	2013B3A40639G	VIBHOR SHARMA
390.	2013B3A40750G	ABHISHEK KUMAR PANKAJ
391.	2013B3A40765G	RISHAB MARKAND M
392.	2013B4A40513G	KSHITIJ KUMAR
393.	2013B4A40591G	NIKHIL JAIN
394.	2013B4A40644G	ISHAN MISHRA
395.	2013B4A40652G	HARSH MALAIYA
396.	2013B4A40714G	THEKKEKARA NOEL
397.	2013B4A40804G	KADALI NAGENDRA KUMAR
398.	2013B5A40285G	SIDDHARTH PALIWAL
399.	2013B5A40426G	KUSHAGRA HANS
400.	2013B5A40459G	MODANI AMRUT SANJAY
401.	2013B5A40472G	AKHIL JOHN
402.	2013B5A40514G	KUMAR SINGH SIDHANT
403.	2013B5A40559G	KSHITIJ MATHUR
404.	2013B5A40563G	KULKARNI SHARDOOL SHANTAPRASAD
405.	2013B5A40604G	SAWANT KAPIL VIJAYSINH
406.	2013B5A40653G	VARTAK YASH AJAY
407.	2013B5A40768G	SARAPH DIVYANSHU SHIRISH
408.	2013B5A40840G	VISHAL SURIYANARAYANAN
409.	2013B5A40870G	SHANTANU SHARMA
410.	2013B5A40913G	SIMANTA LAHKAR

411.	2014A4PS0077G	VARUN MIKKILINENI
412.	2014A4PS0097G	MANU C
413.	2014A4PS0132G	GAGNEET SINGH
414.	2014A4PS0142G	SRIKANTH NANDAGIRI
415.	2014A4PS0156G	KULKARNI AKSHAY ANIRUDDHA
416.	2014A4PS0157G	P N V S CHANDRA
417.	2014A4PS0162G	SHIBIKA MITRA
418.	2014A4PS0171G	SANDEEP J NAIR
419.	2014A4PS0175G	VARUN PRASAD
420.	2014A4PS0176G	SHUBHANSHU BAHUGUNA
421.	2014A4PS0177G	SABOO JAYESH SATISH
422.	2014A4PS0179G	AYUSH KAPOOR GARG
423.	2014A4PS0187G	SIDDHANT RATHORE
424.	2014A4PS0188G	SHETE SAGAR PRADEEP
425.	2014A4PS0189G	HARSHWARDHAN LODHA
426.	2014A4PS0192G	MAYANK KUMAR
427.	2014A4PS0198G	S JOEL FRANKLIN
428.	2014A4PS0202G	BOLISSETTY HEMA SAI ARAVIND
429.	2014A4PS0227G	RATHI SHIVAM NARENDRA
430.	2014A4PS0229G	VARUN P V
431.	2014A4PS0239G	SANCHETI AKSHAY JITENDRA
432.	2014A4PS0249G	RAHUL S SALLA
433.	2014A4PS0253G	SACHIN SURESH
434.	2014A4PS0254G	SHASHANK SHARMA
435.	2014A4PS0272G	JACOB JOHN
436.	2014A4PS0279G	MAHAJAN ARJUN LAXMIKANT
437.	2014A4PS0285G	SANDIPAN BORAH
438.	2014A4PS0289G	SANGLE SOURABH SUNIL
439.	2014A4PS0298G	RISHABH CHATURVEDI
440.	2014A4PS0299G	SIDDHANT MAKHIJA
441.	2014A4PS0301G	PAES RAHUL FERNANDO FALCAO DA GAMA
442.	2014A4PS0317G	CHAUDHARI TEJAS ISHWAR
443.	2014A4PS0318G	HARITWAL YASH MANOJ
444.	2014A4PS0323G	AMOL SAKET
445.	2014A4PS0325G	SHETIYA VAIBHAV RAJENDRAKUMAR
446.	2014A4PS0327G	SHASHANK SUBRAMANIAM R
447.	2014A4PS0331G	SAURAV KUMAR
448.	2014A4PS0332G	GUPTA INDRAJEET VIKAS
449.	2014A4PS0338G	MEHTA RUSHI NARESHKUMAR
450.	2014A4PS0341G	HIMANSHU KISHORE
451.	2014A4PS0345G	SANYAM VINAYAK
452.	2014A4PS0350G	YASH SINGHAL
453.	2014A4PS0353G	ANAND DEV
454.	2014A4PS0355G	AKSHAY CHUGH

455.	2014A4PS0357G	NISHANT CHANDRASHEKHAR
456.	2014A4PS0360G	SHUBHAM GUPTA
457.	2014A4PS0386G	PALASH GOEL
458.	2014A4PS0387G	AVIRAL CHAUHAN
459.	2014A4PS0388G	SHESHA VERMA
460.	2014A4PS0389G	ANSHUL JAIN
461.	2014A4PS0766G	SHASHWAT
462.	2014A4PS0767G	UDAYAN SHUKLA
463.	2014A4PS0768G	AAKASH SINGHAL
464.	2014A4PS0769G	RAKDE ABHIJEET KAKASAHEB
465.	2014A4TS0086G	NAYAK VARUN UDAY
466.	2014A4TS0125G	SOORAJ S KAMATH
467.	2014A4TS0129G	GAURAV NILESH GUDE
468.	2014A4TS0135G	KARTHIK ANANTHA KRISHNAN
469.	2014A4TS0154G	SHUBHAN PARAG PATNI
470.	2014A4TS0180G	PILLAI RADHIKA PRASHANT
471.	2014A4TS0219G	PONUGOTI NIKHIL
472.	2014A4TS0262G	ANSHUL SANDHU
473.	2014A4TS0286G	DESHPANDE AMEYA MANGESH
474.	2014A4TS0296G	SHREYAS RAJESH
475.	2014A4TS0344G	PATLOLLA SHARATH CHANDAN REDDY
476.	2014A4TS0346G	AMAN AASHIR DALAL
477.	2014A4TS0390G	SAHU ANSHIKA RAMKARAN

#### **B.E.(Hons.) Computer Science**

478.	2012A7B40065G	DESAI ABHISHEK DEEPAK
479.	2013A3A70198G	MASCARENHAS EDWIN FREMIOT
480.	2013A7PS0066G	SIDDHARTHA SAURAV
481.	2013A7PS0095G	MUDA SAI VISHAL
482.	2013A7PS0099G	DESAI NIKHIL
483.	2013A7TS0697G	NIMJE ANKIT SANJAY
484.	2013B1A70656G	ADVAIT BALAJI
485.	2013B1A70792G	SHIVADITYA ANANYA KSHATRAPATI
486.	2013B1A70868G	APURVA BHANDARI
487.	2013B1A70895G	SHOURYA AGARWAL
488.	2013B1A70942G	ADITYA SAXENA
489.	2013B2A70754G	GARVIT RAGHUVANSHI
490.	2013B2A70865G	LELE ANUJA PUSHKAR
491.	2013B2A70866G	RAJAT AGARWAL
492.	2013B3A70206G	RAVINDRA KAADE ARVIND
493.	2013B3A70309G	ABHIJITH S WARRIER
494.	2013B3A70368G	D SAI HARITHA
495.	2013B3A70439G	K ACHYUDH RAM
496.	2013B3A70471G	AKILESH LAKSHMINARAYANAN



497.	2013B3A70510G	SAMARTH GOYAL
498.	2013B3A70516G	GAURAV NARULA
499.	2013B3A70530G	CHATURVEDI SHUBHAM KUNJBIHARI
500.	2013B3A70547G	SHANTANU JAIN
501.	2013B3A70556G	BHOSALE MAYUR DATTATRAY
502.	2013B3A70570G	MADHAV AGRAWAL
503.	2013B3A70574G	NAKADE KRUTARTH MILINDKUMAR
504.	2013B3A70629G	ASHISH KUMAR
505.	2013B3A70709G	SNEHITH ALAPATI
506.	2013B3A70710G	PIYUSH DHINGRA
507.	2013B3A70826G	DHRUV JAIN
508.	2013B4A70381G	TIPLE PANKAJ RAMCHANDRA
509.	2013B4A70495G	SANJEEV S
510.	2013B4A70541G	M RAMCHANDRAN
511.	2013B4A70602G	LAKSHYA GHULIANI
512.	2013B4A70668G	NAMRATA A SHETтар
513.	2013B4A70707G	NAMAN GUPTA
514.	2013B4A70720G	SETHURATHIENAM IYER S
515.	2013B4A70742G	UMANG RUSTAGI
516.	2013B4A70776G	APARAJITA HALDAR
517.	2013B4A70785G	RISHABH KHURANA
518.	2013B4A70829G	DESHPANDE VARAD SHAILENDRA
519.	2013B4A70904G	PESHWE NARESH UMESH
520.	2013B5A70112G	GEORGE JOSEPH
521.	2013B5A70571G	AKSHAY SASIKUMAR
522.	2013B5A70589G	SANJANA SEKHAR
523.	2013B5A70658G	SAWANT TANUJA SUNIL
524.	2013B5A70665G	SHOBHIK BHADRARAY
525.	2014A7PS0001G	QUADROS KAREN ADITI
526.	2014A7PS0002G	MAYANK BANSAL
527.	2014A7PS0003G	HARI S R
528.	2014A7PS0004G	CHAUDHARI SANKET GOVIND
529.	2014A7PS0005G	SUHAS S PAI
530.	2014A7PS0006G	PASUPULETI VEERA VENKATA SRAVAN KUMAR
531.	2014A7PS0007G	VISHAL AGRAWAL
532.	2014A7PS0008G	BHUVAN GUPTA
533.	2014A7PS0013G	PANKAJ AGARWAL
534.	2014A7PS0016G	PATEL PRIYANKA SUNIL
535.	2014A7PS0018G	ROHAN TOTEJA
536.	2014A7PS0021G	PRIYANK LODHA
537.	2014A7PS0023G	SHAH JAINAM AMISH
538.	2014A7PS0024G	ISHITA MALVIYA
539.	2014A7PS0025G	ABHIJEET PRATAP SINGH TOMAR
540.	2014A7PS0026G	NIDHI KADKOL

541.	2014A7PS0028G	KOTHA SAI LIKHITH
542.	2014A7PS0029G	RISHABH
543.	2014A7PS0030G	ABHIMANYU SINGH SHEKHAWAT
544.	2014A7PS0033G	BHARATH T
545.	2014A7PS0035G	NIKHIL RAJESH VIRMANI
546.	2014A7PS0038G	UTKARSH VAISH
547.	2014A7PS0039G	PRAKHAR KHANDELWAL
548.	2014A7PS0040G	SHUBHAM RAMDAS PAGUI
549.	2014A7PS0044G	CHINTAN BETRABET
550.	2014A7PS0045G	MASALCHI KARTHIK
551.	2014A7PS0047G	DHANU RAJA PILLAI
552.	2014A7PS0048G	JAGTAP MEGHRAJ MANIKRAO
553.	2014A7PS0050G	DIVYANSH GUPTA
554.	2014A7PS0051G	ANANT SHARMA
555.	2014A7PS0052G	LAKHOTIYA HIMANSHU SATISH
556.	2014A7PS0053G	MAYANK ANCHLIA
557.	2014A7PS0058G	PANSHUL GARG
558.	2014A7PS0060G	TK SURYANSH
559.	2014A7PS0062G	ADARSH
560.	2014A7PS0065G	GOURAV GOEL
561.	2014A7PS0067G	VATSAL GOYAL
562.	2014A7PS0069G	RISHABH JAIN
563.	2014A7PS0070G	SIKCHI SAURABH RADHESHYAM
564.	2014A7PS0073G	YASH KARNAWAT
565.	2014A7PS0074G	AYUSH SHARMA
566.	2014A7PS0075G	PUNEETH SRINIVAS MOHAN SALADI
567.	2014A7PS0076G	SAKSHI SHARMA
568.	2014A7PS0078G	KARTIK KENNY
569.	2014A7PS0080G	KULKARNI NISHIGANDHA SUNIL
570.	2014A7PS0083G	AYUSH AGARWAL
571.	2014A7PS0084G	ARNAV DIXIT
572.	2014A7PS0085G	SHUBHAM AGARKAR
573.	2014A7PS0088G	SRAJAN GUPTA
574.	2014A7PS0089G	RENAVIKAR NEEL MILIND
575.	2014A7PS0090G	APARAJITA
576.	2014A7PS0091G	HURKAT PALASH BRIJESH
577.	2014A7PS0094G	MODI KHUSHAL CHANDRESH
578.	2014A7PS0098G	GOKUL DINESH
579.	2014A7PS0099G	ROOPAM VYAS
580.	2014A7PS0100G	PRASHANT PANDEY
581.	2014A7PS0101G	GABALE PRATHAMESH SATISH
582.	2014A7PS0102G	VASSALLA ROUTRAY
583.	2014A7PS0106G	AJAY YADAV
584.	2014A7PS0107G	VARUN GOYAL

585.	2014A7PS0108G	KALYAN KUMAR DATTA
586.	2014A7PS0109G	SUHAIB SONI
587.	2014A7PS0110G	G BALASUBRAMANIAM
588.	2014A7PS0111G	JAYANTHI PRUDHVI TEJ
589.	2014A7PS0112G	SASWAT KUMAR ROUT
590.	2014A7PS0114G	RISHAB PARAKH
591.	2014A7PS0117G	SAI PRANAY MALIPATIL
592.	2014A7PS0119G	ARNAV KUMAR
593.	2014A7PS0120G	MANAL DAVE
594.	2014A7PS0121G	TAVEESH SHARMA
595.	2014A7PS0122G	ATUL PARTHASARATHY
596.	2014A7PS0127G	KRATIKA CHANDRA
597.	2014A7PS0356G	PULKIT AGARWAL
598.	2014A7PS0616G	SRAVYA YARLAGADDA
599.	2014A7PS0688G	SAACHI GROVER
600.	2014A7PS0771G	EKANSH JAIN
601.	2014A7PS0772G	NIKHIL TRIPATHI
602.	2014A7PS0773G	SHUBHAM KESERWANI
603.	2014A7PS0774G	SANGOL TEJAS
604.	2014A7TS0012G	KISHORE K B
605.	2014A7TS0014G	ROHAN GOEL
606.	2014A7TS0020G	DHRUV PASSEY
607.	2014A7TS0022G	DHRUV MAHAJAN
608.	2014A7TS0034G	KULKARNI OMKAR RAVINDRA
609.	2014A7TS0054G	MURALI ANIRUDDHAN
610.	2014A7TS0068G	ISHANI GHOSE
611.	2014A7TS0081G	REGE AMIT KIRAN
612.	2014A7TS0095G	GAURAV HALOI
613.	2014A7TS0096G	KUSHAGR ARORA
614.	2014A7TS0103G	YASH SHAILESH MEHTA
615.	2014A7TS0105G	PATHIKRIT GHOSH
616.	2014A7TS0124G	SOMYA SHUBHANGI
617.	2014A7TS0126G	RHETT NOAH DSOUZA
618.	2014A7TS0393G	PABBARAJU CHIRAG RAMDAS
619.	2014A7TS0403G	AMIT AGARWAL

#### **M.Sc.(Hons.) Biological Science**

620.	2012B1A10621G	NARAYAN BHUTADA
621.	2012B1A40655G	SHIRODKAR ADITYA
622.	2013B1A10688G	DHAMSANIYA ANAND MAHESHBHAI
623.	2013B1A10704G	UNHALE TANAYA RAJEEV
624.	2013B1A10885G	GARV NAGPAL
625.	2013B1A10907G	R SRINATH
626.	2013B1A10914G	VIGNESH MALLYA ULLAL

627.	2013B1A10935G	JOSHI VIBHAV HEMANT
628.	2013B1A30716G	VAIDYA MANAS SATISH
629.	2013B1A30780G	KAUSTUBH TIWARI
630.	2013B1A30874G	VATSAL SANGHVI
631.	2013B1A30878G	ANKIT JAYASWAL
632.	2013B1A30883G	TUSHAR
633.	2013B1A30900G	EEGA AVINASH
634.	2013B1A30936G	HARSHITA CHOUDHARY
635.	2013B1A40749G	SRIJANI BISWAS
636.	2013B1A40789G	SAMYAK TATIA
637.	2013B1A40901G	EAGA AKHIL
638.	2013B1A70656G	ADVAIT BALAJI
639.	2013B1A70792G	SHIVADITYA ANANYA KSHATRAPATI
640.	2013B1A70868G	APURVA BHANDARI
641.	2013B1A70895G	SHOURYA AGARWAL
642.	2013B1A70942G	ADITYA SAXENA
643.	2013B1A80782G	ISHMIN SINGH
644.	2013B1A80805G	UMESH HARGENDRA PATHAK
645.	2013B1A80859G	DEEPAK KUMAR
646.	2013B1A80860G	PRAKHAR GUPTA
647.	2013B1A80889G	VAIBHAV AGARWAL
648.	2013B1A80905G	ARUNAV KONWAR

#### **M.Sc.(Hons.) Chemistry**

649.	2013A3B20186G	DISHANT BANWARI
650.	2013B2A10684G	VATSAL TOLASARIA
651.	2013B2A10686G	VATSAL TIWARI
652.	2013B2A10687G	JAIVARDHAN SINGH CHAUHAN
653.	2013B2A10689G	TULASI RAVINDRAN
654.	2013B2A10858G	ARTH MATHUR
655.	2013B2A30732G	VARUN GUPTA
656.	2013B2A30748G	KULKARNI ASAVARI SANJAY
657.	2013B2A30800G	HARSHITA LULLA
658.	2013B2A30847G	ANKIT SINGH
659.	2013B2A30864G	AASHRAY BHANDARI
660.	2013B2A30899G	SHIKHAR WADHWA
661.	2013B2A40692G	RISHAV KISHAN GUPTA
662.	2013B2A40705G	MOHAMED IRFAN HILALY
663.	2013B2A40777G	B VARUN REDDY
664.	2013B2A40882G	SUMIT ARYA
665.	2013B2A70754G	GARVIT RAGHUVANSHI
666.	2013B2A70865G	LELE ANUJA PUSHKAR
667.	2013B2A70866G	RAJAT AGARWAL
668.	2013B2A80741G	HIMANSHU ARORA

669.	2013B2A80770G	AKSHAY JHA
670.	2013B2A80771G	SHIVAM BAJPAI
671.	2013B2A80799G	AGRIM AGARWAL
672.	2013B2A80835G	VIVEK KUMAR
673.	2013B2A80846G	BAILEY CLYDE SUNIL
674.	2013B2A80861G	SHIVAM KUMAR
675.	2013B2A80877G	SAMYAK DHOLE
676.	2013B2A80906G	B SRUJAN REDDY
677.	2013B2A80926G	SAKSHAM MEHTA
678.	2013B2A80941G	DEVABHAKTUNI AKHILA DEVI

#### **M.Sc.(Hons.) Economics**

679.	2009B3PS0509G	AKSHAY A SINGH
680.	2012B3A10553G	D ABHILASH KUMAR
681.	2012B3A80449G	N AKSHAY NARASIMHA
682.	2013B3A10575G	ANIMESH OKHADE
683.	2013B3A30375G	MAYANK PODDAR
684.	2013B3A30460G	ADITYA JHA
685.	2013B3A30462G	ADVAIT PAREY
686.	2013B3A30483G	ASHISH KUMAR
687.	2013B3A30497G	VIKAS MISHRA
688.	2013B3A30577G	SANSKAR AGRAWAL
689.	2013B3A30594G	AVINASH KUMAR RAI
690.	2013B3A30633G	GANDHI ANSHUL ANIRUDDHA
691.	2013B3A30638G	HARSHAL GOEL
692.	2013B3A30641G	PRABHAV BHARDWAJ
693.	2013B3A40398G	VAIBHAV SHARMA
694.	2013B3A40598G	PATIL ADITYA ARUN
695.	2013B3A40599G	PRAKARSH CHAUHAN
696.	2013B3A40628G	SHASHWAT PAREEK
697.	2013B3A40639G	VIBHOR SHARMA
698.	2013B3A40750G	ABHISHEK KUMAR PANKAJ
699.	2013B3A40765G	RISHAB MARKAND M
700.	2013B3A70206G	RAVINDRA KAADE ARVIND
701.	2013B3A70309G	ABHIJITH S WARRIER
702.	2013B3A70368G	D SAI HARITHA
703.	2013B3A70439G	K ACHYUDH RAM
704.	2013B3A70471G	AKILESH LAKSHMINARAYANAN
705.	2013B3A70510G	SAMARTH GOYAL
706.	2013B3A70516G	GAURAV NARULA
707.	2013B3A70530G	CHATURVEDI SHUBHAM KUNJBIHARI
708.	2013B3A70547G	SHANTANU JAIN
709.	2013B3A70556G	BHOSALE MAYUR DATTATRAY
710.	2013B3A70570G	MADHAV AGRAWAL

711.	2013B3A70574G	NAKADE KRUTARTH MILINDKUMAR
712.	2013B3A70629G	ASHISH KUMAR
713.	2013B3A70709G	SNEHITH ALAPATI
714.	2013B3A70710G	PIYUSH DHINGRA
715.	2013B3A70826G	DHRUV JAIN
716.	2013B3A80536G	AKSHIT ANAND
717.	2013B3A80636G	HIMANSHU SINGHAL
718.	2013B3PS0561G	LINGALA SREEKANTH REDDY
719.	2013B3PS0580G	ADITYA SINGH
720.	2013B3PS0606G	NIKHIL VIJAY
721.	2013B3PS0634G	SUHAS S
722.	2013B3TS0502G	KANUMURI SESA SUSHANT
723.	2014B3PS0560G	SOMISETTY SAI SUMANTH

#### **M.Sc.(Hons.) Mathematics**

724.	2012A7B40065G	DESAI ABHISHEK DEEPAK
725.	2012B4A80582G	PRANAV MISHRA
726.	2012B4A80768G	T P VISHNUVARDHAN
727.	2013B4A10614G	HARSH VIJAY
728.	2013B4A30164G	DARGAR VINAY CHANDRAPRAKASH
729.	2013B4A30425G	JAMBHEKAR NEEL NITIN
730.	2013B4A30581G	ARYAN SINGH
731.	2013B4A30663G	VAIBHAVDEEP SINGH
732.	2013B4A30669G	AROHI PENDHARKAR
733.	2013B4A30706G	SHANTANU
734.	2013B4A30746G	SHOURYA PUNJ
735.	2013B4A40513G	KSHITIJ KUMAR
736.	2013B4A40591G	NIKHIL JAIN
737.	2013B4A40644G	ISHAN MISHRA
738.	2013B4A40652G	HARSH MALAIYA
739.	2013B4A40714G	THEKKEKARA NOEL
740.	2013B4A40804G	KADALI NAGENDRA KUMAR
741.	2013B4A70381G	TIPLE PANKAJ RAMCHANDRA
742.	2013B4A70495G	SANJEEV S
743.	2013B4A70541G	M RAMCHANDRAN
744.	2013B4A70602G	LAKSHYA GHULIANI
745.	2013B4A70668G	NAMRATA A SHETTAR
746.	2013B4A70707G	NAMAN GUPTA
747.	2013B4A70720G	SETHURATHIENAM IYER S
748.	2013B4A70742G	UMANG RUSTAGI
749.	2013B4A70776G	APARAJITA HALDAR
750.	2013B4A70785G	RISHABH KHURANA
751.	2013B4A70829G	DESHPANDE VARAD SHAILENDRA
752.	2013B4A70904G	PESHWE NARESH UMESH

753.	2013B4A80525G	GOENKA NEETI AJAY
754.	2013B4A80526G	RAVINUTULA SAI UMESH KUMAR
755.	2013B4A80545G	SUNIT JAIN
756.	2013B4A80590G	VICHAR SHROFF
757.	2013B4A80608G	SHIVRAJ SINGH
758.	2013B4A80627G	APOORV GARG
759.	2013B4A80661G	TIGULLA VIRINCHI SHARMA
760.	2013B4A80662G	MRIDUL SETH
761.	2013B4A80666G	SHUBHAM GUPTA
762.	2013B4A80690G	KSHITIZ PANDEY
763.	2013B4A80833G	MANAV SEHGAL
764.	2013B4A80836G	SIDDHARTH IYER
765.	2013B4PS0457G	YASH KHANDELWAL
766.	2013B4TS0500G	M CHETAN REDDY
767.	2013B4TS0518G	HARISH C
768.	2014B4PS0467G	SAMARIDDHI CHANDAK
769.	2014B4TS0454G	B T PRABHU
770.	2014B4TS0565G	JONNADULA TEJA SAI RAM

#### **M.Sc.(Hons.) Physics**

771.	2011B5A40362G	PATIL MOHIT UDDHAV
772.	2011B5A40402G	KAUSTUBH KUMAR
773.	2013A3B50073G	ANKIT UDAYA KUMAR
774.	2013A3B50179G	VEDANGI BHADRESH PATHAK
775.	2013A4B50280G	AABIR ABUBAKER KAR
776.	2013B5A30432G	AMAL VIGHNESH I
777.	2013B5A30466G	SHAHNAWAZ AHMED
778.	2013B5A30470G	SANGEETH S VARMA
779.	2013B5A30537G	RAJAT SANCHETI
780.	2013B5A30621G	SHIVENDRA KUMAR
781.	2013B5A30671G	MANISH PATHAK
782.	2013B5A30726G	SHIVANGI KAMAT
783.	2013B5A30827G	AKSHIT GOEL
784.	2013B5A40285G	SIDDHARTH PALIWAL
785.	2013B5A40426G	KUSHAGRA HANS
786.	2013B5A40459G	MODANI AMRUT SANJAY
787.	2013B5A40472G	AKHIL JOHN
788.	2013B5A40514G	KUMAR SINGH SIDHANT
789.	2013B5A40559G	KSHITIJ MATHUR
790.	2013B5A40563G	KULKARNI SHARDOOL SHANTAPRASAD
791.	2013B5A40604G	SAWANT KAPIL VIJAYSINH
792.	2013B5A40653G	VARTAK YASH AJAY
793.	2013B5A40768G	SARAPH DIVYANSHU SHIRISH
794.	2013B5A40840G	VISHAL SURIYANARAYANAN

795.	2013B5A40870G	SHANTANU SHARMA
796.	2013B5A40913G	SIMANTA LAHKAR
797.	2013B5A70112G	GEORGE JOSEPH
798.	2013B5A70571G	AKSHAY SASIKUMAR
799.	2013B5A70589G	SANJANA SEKHAR
800.	2013B5A70658G	SAWANT TANUJA SUNIL
801.	2013B5A70665G	SHOBHIK BHADRARAY
802.	2013B5A80456G	PRABHUNE RHUSHIKESH ANAND
803.	2013B5A80622G	PRADHAN SARTHAK BHUSHAN
804.	2013B5A80650G	SIDDHARTH HARSHE
805.	2013B5A80674G	RISHABH SRIVASTAVA
806.	2013B5PS0569G	GOSWAMI PRANJAL PRATEEK
807.	2013B5PS0752G	GAURAV JHA
808.	2014B5TS0897G	AVI WADHWA
809.	2014B5TS0901G	ABHINAV TRIPATHI
810.	2014B5TS0904G	MANAS JHA



# Oath

*“On this solemn occasion, Convocation 2018 at Goa and in the presence of my teachers and family, I pledge to use my knowledge and experience gained at BITS Pilani and elsewhere in the service of the people of my country and of the world. I will do so while adhering to the highest ethical standards, in harmony with the environment, and with utmost humility, honesty and devotion, and thereby bring glory to my family, my Alma mater, my profession, and my country.”*

innovate

achieve

lead

# BITS Pilani

K K Birla Goa Campus



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