

# Convocation 2024

## K K Birla Goa Campus



**BITS Pilani**

Pilani | Dubai | Goa | Hyderabad | Mumbai

innovate

achieve

lead

# 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.”*



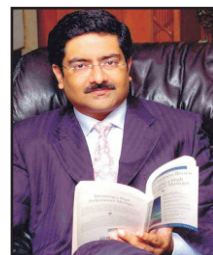
*--The Late Shri G. D. Birla  
Founder Chairman, BITS Pilani.*



*--The Late Dr. K. K. Birla  
Former Chancellor, 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.”*

*“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*



**MINUTE TO MINUTE PROGRAMME OF CONVOCATION 2024**  
**21 July 2024**

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- 9:00 AM Senate members assemble in the Auditorium lobby in two columns as per specified sequence after wearing robes.
- 9:07 AM Wearing of robes by Chief Guest, Vice-Chancellor, Directors and Registrar.
- 9:15 AM Introduction of the Senate members assembled for the procession, to the Chief Guest by the Vice-Chancellor and Director.
- 9:33 AM Vice-Chancellor “declares the Convocation open.”
- 9:35 AM Vice-Chancellor reads out the Chancellor's Message.
- 9:53 AM Vice-Chancellor presents the report on activities of the Institute.
- 10:15 AM Director presents the report on activities of K K Birla Goa Campus.
- 10:35 AM Chief Guest delivers his Convocation address.
- 10:55 AM Vice-Chancellor presents Memento to the Chief Guest.
- 10:56 AM Chief Guest presents the Young Achievers Awards, Distinguished Alumnus and Services Awards.
- 11:10 AM Award of Degrees and Medals
- 01:18 PM Administration of Oath to recipients of Degrees by the Gold Medalist {Gold Medalist will lead the Oath. Recipients of Degrees will repeat the oath word by word}.
- 01:25 PM Graduation speech by Mr. Dixit Dwij Nitin
- 01:30 PM The Dean Administration presents a vote of thanks.
- 01:34 PM Vice-Chancellor “declares the Convocation adjourned”.
- 01:35 PM National Anthem
- 01:37 PM Academic procession led by the Registrar departs in the reverse sequence in which it entered. While the procession is leaving the Convocation Hall, all assembled will rise in their seats, and remain standing until the members forming the procession have left the hall.

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

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The Birla Institute of Technology and Science (BITS), Pilani, declared a Deemed to be University in 1964 and an Institution of Eminence in 2020, was established by combining the colleges of Engineering, Arts and Science, Commerce and Pharmacy, which had originally evolved from a pathshala that was started in 1901. The qualities of innovation, enterprise, commitment to excellence, adherence to merit, and transparency, have characterised the Institute all through its journey towards its eminence. The guiding principles of the Institute, as envisioned by the founding fathers, emphasise on its role "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"; while doing so, the Institute resolves 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 13 May, 1964. Subsequently, by notification published in the Gazette of India dated the 27 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 July, 1964 with the late Shri G.D. Birla as its Founder Chairman.

The Institute was initially a small "Pathshala" (village school) in Pilani way back in the year 1901, started by Seth Shiv Narainji Birla with only one teacher, for educating his grandsons, late Shri G.D. Birla and the 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 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 the 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 Defense Services and industry. In 1946, late Shri G.D. Birla decided to convert it into an engineering college with degree programmes in Electrical and Mechanical Engineering. The Master's programme in Electronics was started in 1955. B.E. programmes in Civil Engineering and Chemical Engineering were 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. During the early years of its inception, i.e. 1964 to 1970, the Institute, with the support of a Ford Foundation Grant,

collaborated with the Massachusetts Institute of Technology (MIT), USA. It helped the Institute to introduce the semester system, modular structure of courses, continuous and internal evaluation, letter grading, to name a few, thereby making an independent mark in its pedagogy and curriculum design. The proverbial feather in the cap came in the form of institutionalised linkages with industries. Over a period of time, the Institute also introduced several flexibilities in its curricular structure making it dynamic and orienting it towards student excellence.

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 BITS, ever since its inception. With his great involvement in all the activities of the Institute, he worked relentlessly to give shape to the vision of his father, Late Shri G.D. Birla. After taking over the responsibility of running the institute, Dr. K.K Birla, who became the Chancellor in 2003 realised the need for a greater number of promising graduates in the field of science and technology to aid the nation's development. Hence, he initiated a gradual increase in the intake of students at Pilani campus during 1999 which steadily took the total strength from 2500 to 4000. Under his patronage, BITS embarked on a program of expansion, first in Pilani starting in the mid-nineties, and then beyond. The first international campus of any Indian University was established in Dubai, in 2000, followed by campuses in Goa in 2004, in Hyderabad in 2008 and in Mumbai in 2021.

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 a young and dynamic Chancellor, BITS is taking steps to scale greater heights.

#### **BITS Pilani-Accreditation and Ranks.**

In its endeavour to attain greater heights in education, research and outreach, BITS Pilani participates in several ranking and accreditation processes of repute and here are some of the results.

#### **International: The 2024 Rankings are as follows.**

According to THE (Times Higher Education) Global University Ranking (2024) BITS is ranked in the band: 801-1000. Its Asia rank is in the band of 251-300. According to the QS (Quacquarelli Symonds) World University Ranking (2025) BITS is ranked in the band: 801-850. Its QS Asia (2024) rank is 215. Its QS Southern Asia (2024) rank is: 40. Disaggregated by subject, QS 2024 World University Ranking placed BITS at: 359 globally in Broad Subject Area of Engineering and Technology with two subjects in the global top 300 and seven in the global top 500. According to QS World University Ranking by Subject (2024), 'Pharmacy and Pharmacology' for BITS is ranked amongst the global top 101-150, 2nd in India overall and is the top private Indian institution for the fourth consecutive year.

**NAAC:** In the year 2000, the National Assessment and Accreditation Council (NAAC) awarded BITS the highest possible grade in the university accreditation system. In 2008-2009, the NAAC peer team visited BITS campuses at Pilani, Goa and Dubai and re-accredited BITS-Pilani in its second cycle with a CGPA of 3.71 on a four-point scale, awarding it with the highest 'A+' grade. Again in 2016, the NAAC peer team

visited BITS campuses at Pilani, Goa and Hyderabad and re-accredited BITS-Pilani in its third cycle with a CGPA of 3.45, again with an 'A' grade.

**NIRF:** National Institutional Ranking Framework 2023 has ranked BITS Pilani at no. 20 in the University Category and at no. 3 in Pharmacy.

**Institution of Eminence:** BITS Pilani was declared as an institution of eminence by the Government of India on October 1, 2020.

**Other Ranks:** In 2024, India Today ranked BITS Pilani no.1 among the top private engineering colleges in India; The Week ranked BITS Pilani no. 1 among the private and deemed technical universities. The Times' All India Institute's Ranking survey ranked BITS no.1 among top 175 engineering institutes and no. 1 among top 30 institutes for research capability. BITS Pilani has consistently remained the highest-ranked non-government institute in most of these surveys.

### **BITS Pilani - Strategic Improvement Journey**

In the last 15 years, BITS has taken decisive steps to cement its legacy of being an excellent teaching institution, which also focuses on research. Besides, the institution has substantially expanded its capacity to provide education to more meritorious students from India and abroad. All these could only be achieved through a well-planned transformation program that not only ushered major improvements in academics and research but also through major overhauling of the infrastructure space involving remodelling and the construction of several new academic blocks, faculty and student housings, and other facilities at the Pilani, Goa and Hyderabad campuses. An elaborate growth plan, with increased student and faculty intake over the next 12 years, formed the crux of this transformation.

BITS Pilani has transformed from a very eminent teaching-focused institute to a teaching and research intensive institute in a short span of time. Since 2009, through strategic improvement exercises, BITS Pilani has significantly bolstered its research and innovation capabilities with a concerted focus on interdisciplinary research and industry income. The beginning of this strategic transformation was with the launch of Vision 2020 in the year 2009, with an aim to improve BITS Pilani's ranking amongst Science & Technology institutions in India and Asia. The improvement in the rankings was planned through 3-year programs, known as 'Mission' programs, with a clear objective of bringing significant transformation in chosen focus areas, known as thrust areas. The first such program was called Mission 2012, which saw over 100 faculty members working with BITS leadership in 6 thrust areas. The major achievements of the Mission 2012 program included a renewed focus on research with the launching of schemes like Seed Grant and Research Initiation Grant to motivate faculty members, improved administration through automation, introduction of new policies in recruitment and performance management, and bringing distinct brand identity guidelines.

One of the most significant initiatives was Project 'Parivartan'. In November 2011, Chancellor Dr. K.M. Birla formally announced the Project Parivartan to modernise and expand physical infrastructure in Pilani,



which was subsequently extended to Goa and Hyderabad campuses as well. Through this project a number of new facilities have been created and the existing academic blocks, hostels, faculty and staff housing have been renovated and augmented.

After Mission 2012, a follow-up program called Mission 2015 was initiated with focus on seven new thrust areas. Mission 2015 brought further engagement in areas like international student admission, institution wide innovation, setting up incubation centres, inter-disciplinary centres-of-excellence for research and application, and establishing Teaching Learning Centres for research on new age teaching and pedagogy. After two major transformation Missions, the leadership decided to consolidate and review the progress made thus far in the journey towards Vision 2020 and introduced periodic campus and institution reviews. These reviews are now completely institutionalised and are an excellent platform for departments and divisions across BITS to showcase their achievements, and an opportunity to align their objectives and activities with that of the institution. Equipped with several successes and the experience of deep learning given the implementation of the two strategic programs, followed by periodic institutional reviews, BITS began deliberations for an extended vision that would prepare the institution well beyond 2020.

In 2017, BITS engaged a leading global strategy consultant for formulating an overall roadmap that would propel it to further heights and help attain leadership position in the coming years. This strategic exercise is named Project Lakshya. This exercise focused mainly on five thrust areas: Research, Faculty, Programs and Pedagogy, Industry Engagement and Alumni Relations. The thrust areas, each led by a senior leader, have set themselves goals that would strengthen and enhance BITS' position amongst the global science and technology institutions.

BITS Pilani has always been a leader in providing excellent education - the eminent alumni and stellar faculty who have been part of this institution for the last 59 years are a testimony to this fact. In 2018, Ministry of Human Resources and Development, Government of India, identified BITS Pilani for the Institution of Eminence status, concurring and endorsing the faith our student, faculty and alumni have reposed since its inception. Across all campuses BITS Pilani currently has over 18,000 on-campus students who are enrolled in various degree programmes. The BITS Pilani, K K Birla Goa Campus has over 4500 students who are currently enrolled. Across all campuses the university has 1017 faculty and 1395 administrative staff. BITS Pilani, K K Birla Goa campus has a strength of around 228 faculty members and over 269 staff members. BITS is committed to achieve a faculty-student ratio that meets global standards. BITS is also proud to have a network of over 1.86 Lakh alumni spread across the world. 'BITSians' are leaders in vastly varied fields ranging from Industry, Academia, Research, Entrepreneurship, Social Sector, Armed Forces, Entertainment, right up to the Government sectors.

**Innovation Ecosystem:** The innovation ecosystem at BITS Pilani is supported through incubators funded by DST, TIDE, and BIRAC BioNEST, which mentor and support innovative startups both from within and outside BITS. There are three incubators on the Indian campuses, and 125 startups are being incubated. Across all the Indian campuses, 210 start-ups have incubated in these Technology Business

(TBIs), and 130 are currently incubated.

BITS Goa Innovation Incubation & Entrepreneurship Society (BGIIES) plays a crucial role in fostering innovation, incubation, and entrepreneurship among students & faculty of BITS Goa and entrepreneurs from all over India. As of July 2024, 41 startups have been incubated. In the last financial year, they have generated 495 jobs and built 30 deep tech ideas. Apart from this, BGIIES also supports 16 startups currently under other programs (not incubated but only fundraising with BGIIES-partnered Investors). BGIIES has disbursed a total of INR 102 lakhs of grants in 2023-24 to 12 startups under the HDFC Parivarthan CSR program and the BGIIES RISE grant.

The BITS BioCyTiH Foundation (BBF) Incubation Centre has been established to provide a robust platform for deep tech startups focusing on Bio-Cyber Physical Systems to address healthcare, agriculture, water, and environmental challenges. The BBF Incubation Centre features dedicated space, sophisticated laboratories, and high-end equipment at the Pilani, Hyderabad, and Goa campuses. BITS BioCyTiH Foundation (BBF) supports startups through various schemes benefiting 30 startups. BBF offers incubation (Physical and Virtual) for startups and has also supported seven innovators through the Entrepreneur in Residence (EIR) program, resulting in the emergence of three startups. To date, BBF has supported 11 faculty-led startups, with six originating from the BITS ecosystem.

## CHANCELLORS'S MESSAGE

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***Dr. Kumar Mangalam Birla***

Our Chief Guest, Prof Govindan Rangarajan, members of the Governing Board of BITS Pilani, Vice Chancellor Prof V. Ramgopal Rao, Director of Goa Campus, Prof. Suman Kundu, esteemed alumni, distinguished guests, proud parents, and most importantly, the graduating class of 2024.

This is indeed a milestone year as BITS Pilani marks its 60<sup>th</sup> anniversary. Few institutions in India have had such a longitudinal impact on the academic landscape as BITS Pilani. For over 6 decades, BITS Pilani has consistently pushed the boundaries of innovation and academic excellence. A venture that sprang from the entrepreneurial vision of my great grandfather, Mr. G.D. Birla, has, over the years, morphed to become an institute of eminence, an iconic institution with 18,000 students across 5 campuses. Over the years, BITS Pilani has not only imparted knowledge but also instilled in generations the capacity to think critically, dream ambitiously, and strive relentlessly. More significantly, it has also gifted thousands of dynamic leaders and entrepreneurs to India and to the world.

And today we are proud to present another such cohort.

Congratulations to the graduating class of 2024! Today is your day of triumph. It is a day that signifies not just the culmination of an academic journey, but the beginning of an exciting new chapter. Your relentless dedication, unyielding spirit, and unwavering commitment have brought you to this remarkable moment.

Batch of 24 - there has never been a more fortuitous moment to be young and stepping out from the halls of an engineering school in India. Think about it, over the past quarter century, more than half of the world's GDP growth emanated from China. Now, the baton is passing to India, positioning it as the new engine of global growth.

This is indeed our moment. A unique confluence of time, place, and potential that energises us to leap into the future. In the face of this unparalleled opportunity, it falls upon you, to seize the moment. For all of you, the graduating class, this signifies a horizon teeming with opportunities. From technology to entrepreneurship, from sustainable development to innovative financial models, the canvas is vast and waiting for your brushstrokes.

The journey ahead demands you to chart the arc of your careers with the precision of a mathematician, carefully calculating each move. And weighing every decision against the backdrop of this rapidly evolving landscape. And so, I thought, I will make your job a little easier by proposing a mathematical equation for your careers.

$C=(LNO)^P$  This formula draws inspiration from one of the most groundbreaking equations in physics—Einstein's  $E=mc^2$ . And like Einstein's equation, I see the  $C=LNO$  to the power of  $P$  equation offering an interesting cue. An insight into the dynamics of professional growth.

Let's deconstruct this equation a little bit.  $C$  = Compounding Careers. Careers are no longer linear progressions with the promise of a C-suite role at 55. Do remember that one high impact assignment builds on another in compounding ways. It is always a fascinating exercise to look back at the career trajectories of the most successful people in the business world today. A common pattern is often that of early assignments in the boondocks, which means challenging assignments in the early stages of one's career. For example, a tough stint in the interiors of the country at a manufacturing plant. Or a bold and risky bet to completely pivot an established family business. Many of you would have seen the now famous video of Satya Nadella in the 90s selling Microsoft Excel. Today, one wonders how he mustered the enthusiasm to sell software.

But as Satya says, *"Don't wait for your next job to do your best work."*

So, for these early investments to translate into Compounding Careers, you have the other variables in the equation.

The L, the N, the O and the multiplier, P.

First, L or Lifelong Learning. Lifelong learning is perhaps best epitomized by Charlie Munger, who lived this principle for a century. As he quipped, *"Cultivate curiosity, and strive to become a little wiser every day. I see people rise in life ...who are learning machines. They go to bed every night a little wiser than when they got up. And boy, does that help".*

Learning needs to be deliberate. The most extreme example may be the famous Bill Gates Think Week, with a cabin in the woods and days filled with reading. It is not a surprise that many successful inventors and polymaths are also accomplished musicians. Music, sport, and other deep passions trigger a different part of the brain. Learning anything with focus ultimately does seem to make us better leaders and entrepreneurs.

However, learning in isolation is only a part of the equation. It is Networks that are the catalysts that compound learning and effort. That's the N in my equation. All of you already have a powerful network at BITS. So, you will start with a network of fraternity forged in the crucible of shared experiences. This fraternity will support each other and create the safe base for experimentation. If you keep yourself open to

different ideas, you become part of a bigger network of information. This gathers a flywheel like momentum of its own. Think about it— with every conversation, you gain new ideas that you can then build upon, enhancing the uniqueness of your own thinking.

And this, in turn, leads to ever expanding circles of conversations. And that then is what turns into a network of opportunities.

And that brings me to the third variable of the equation, O or Opportunities. Now, opportunities can seem serendipitous in the moment. For example, Nvidia today is not just a hot technology company, but is also a formidable moving force behind the next generation of AI. Their current positioning might lead us to forget the company's path up to here. It started with a gaming focused chip that fortuitously could also efficiently perform linear algebra for deep learning. And then they also built a general-purpose programming

language, CUDA, that had no discernible applications for years when launched. However, both these interventions have quite by chance propelled Nvidia into a leadership position within the AI industry.

Nvidia's Founder, Jensen Huang, famously says, *"We are investing in zero-billion-dollar markets"* indicating the appetite to invest in building capabilities ahead of the curve. Controlled experimentation with an eye to the future positions us to take advantage of opportunities when they arise. This thinking applies not just to corporations but also to individuals. Today, you have the time and the opportunity to make the right set of investments and acquire the right set of experiences. The investments that you make today will pay off years down the line, often in the most serendipitous manner. So, the "O" in the equation is for Opportunities.

Finally, because careers are not linear, opportunities may be far down the horizon. Perseverance is the bridge that will get you from the precipice of uncertain times to the reward on the other side. So, perseverance is the multiplier, the P in the equation. And I am going to quote tennis legend Leander Paes here, *"By doing 10,000 hours and three million repetitions, you can master anything. It takes about 10 years."* That's the kind of perseverance it takes to create an impact. To become a champion.

So, the equation is simple:  $C=LNO$  to the power of P. The combination of learning, networks and opportunity with the power of perseverance, leads to a compounding career.

You will always be faced with choices and trade-offs. And you always wonder what would happen if you took another path. The choice between a well-set job in your early days, versus a risky but high-gain new venture. Between taking up an additional taxing assignment with a new team or ensuring a successful outcome in your core role. Between throwing yourself open to a volunteer network on the weekend and resting and investing in yourself and your family.

And there will be no one right choice, for if there were, we would all be on the same path. But I would urge you to apply this equation to these choices – do you open yourself to learning, to new networks, to future

opportunities. The L-N-O. The elements of success are interconnected, and their combined effect, especially when perseverance is applied, can lead to extraordinary outcomes. This is one formula you don't need to mug. All you need to do is catch the essence of it.

If our country stands at a juncture where the next 25 years are rife with opportunity, your own individual careers mirror these extraordinary, generational possibilities. There truly may not be a better time to be young. And be stepping forth from this platform. I look forward to seeing your careers compound.

Thank you and Godspeed!

Dr. Kumar Mangalam Birla  
Chancellor  
BITS Pilani

## VICE-CHANCELLOR'S REPORT

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**Prof. V Ramgopal Rao**

Hon'ble Chief Guest Prof Govindan Rangarajan, Distinguished Alumnus Awardees, Distinguished Service Awardees, BITS Ratna awardees, Director of Goa Campus Prof Suman Kundu, Directors of other campuses of BITS Pilani, Members of the Senate, Registrar, Faculty and Staff of Goa campus, colleagues from other campuses, other dignitaries and attendees, and of course the graduating Class of 2024 and their proud parents - I am delighted to extend a very warm welcome to you all to **Convocation 2024 of BITS Pilani, K K Birla Goa Campus.**

It is a special honour to have Prof Govindan Rangarajan with us as the Chief Guest, who himself is a Distinguished Alumnus Award winner. Prof Rangarajan, our graduating class, and all of us are eagerly looking forward to your inspiring words.

This is a grand celebration for the degree recipients, their families, and all of us from BITS Pilani. Let me begin by congratulating the graduating students - your efforts are being recognized and eminently rewarded today; indeed, it is a momentous occasion for you, your parents and your families.

As per convention, I will present an overview to highlight the achievements of the Institute across all the campuses during AY 2023-24, while Director Prof Kundu will present the Goa campus report.

3 years ago, our Mumbai campus was launched with the inauguration of the BITS School of Management (BITSoM); last year, we started with BITS Law School, and I am happy to share that this year, we are starting with the BITS Design School in Mumbai. All BITSoM, BITS Law, BITS Design School will have classes in Kalyan Campus from this year. At BITSoM & BITS Law, we have been able to craft a highly tailored personal development plan which helps students to custom design their learning journey, enabled by a mentoring program supported by various corporate leaders, academicians, etc. The Kalyan campus was inaugurated by Ms Nirmla Sitaraman, India's Finance Minister. We will soon be announcing some joint and dual degree programmes between the BITS Pilani campuses and BITSoM, BITS Law and BITS Design School. With the launch of these schools, the BITS Pilani system is on its way to becoming the most comprehensive of all the universities in the country.

It's a pleasure to share with you the statistics of this graduating class. **15633** students will graduate, comprising 25% (3870) female students. Among the graduates from on-campus programs, **4060** are from FD or UG programs (15% female students), and **765** will receive HD/PG degrees (24.8% female students). I am extremely delighted to inform you that **257** research scholars (with 42% female students) will graduate with a PhD degree - that is the highest ever doctoral degrees in a year, indicating sustained progress in our planned focus on research.

You are aware of BITS Pilani's pioneering role in offering UG, PG, and Certificate programmes through Work Integrated Learning Program (WILP). Today, the enrolment has grown to over **37,600** working professionals. This year, **10,598** WILP students are graduating, having nearly 22.3% female students. Of these, **931** are in UG (11.1% female students), **9563** are in PG (29.9% female students), and **104** are in Post Graduate Diploma (30% 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.

**PhD:** Doctoral student enrolment has grown at a CAGR of over 20% in the last 5 years now it is over 2050, out of which 41.6% are female scholars. During FY 2023-24, 663 new PhD students joined the institute. This has registered a CAGR of over 25% in the last 5 years. This year, **257** PhDs graduated, which is the highest ever for the institute.

We are looking to garner additional financial support from various sources for a greater population of research scholars since these students form the core workforce to enhance research quantity and quality. Institute doctoral fellowship has been at par with the IITs for several years. Across the three Indian campuses, the Institute fellowship today supports around 58% of the PhD students. The number of such scholarships from CSIR, UGC or supported by research grants has grown significantly as well. We will be doubling the intake of PhD students in the next 3 years through increased interactions with industry, funding from alumni and other agencies. Since the last 4 years, there has been a 61% increase in graduating numbers. This year, we have launched five new tracks to pursue PhD which are :

- SIRE: School of Interdisciplinary Research and Entrepreneurship
- PhD Drive: Deep-tech Research, Innovation and Value generation and Entrepreneurship
- OSDP: Overseas Students Doctoral Programme
- IMPACT: Industry Mentored PhD in Advanced and Cutting-edge Technologies
- PhD through BITS RMIT Higher Education Academy

**Research:** BITS Pilani is continuously striving to enhance its research competitiveness by securing external research funding. 229 new projects worth about ₹ 67.9 Cr were sanctioned this year. Apart from this, 72 projects worth ₹ 81.33 Cr were approved. This financial year, a total of 121 new patent applications were filed. This led to a total of 356 filed patents and 105 granted patents to date. The 5-year annual average grant improved by over 300% from ₹ 23.3 Cr (FY15 -FY19) to ₹ 82.02 Cr (FY20 - FY24).



The research publication metrics continue to improve vigorously in terms of both quality and quantity. The annual number of publications has grown with a CAGR of 27%. We continue to focus on the quality of our publications. The current Scopus h-index is 169, with an annual citations /paper of 32 in 2023, which compares favourably with the leading IITs. In 2023, 42% of the articles were published in the Scimago Scientific Journal, Ranking in Q1 and 30% in Q2. Of our indexed publications, over 30% have at least one international co-author, and over 53% have at least one national co-author. Internationally co-authored publications have grown at a CAGR of nearly 34% since 2017. The average impact factor continues to rise with a current value of 3.51, as per the Web of Science.

Here are a few notable grants we received during the year:

- SATHI Project has been sanctioned. This is worth ₹ 60 Cr for the next 4 years.
- A DST FIST project was sanctioned to the Pharmacy Department at the Pilani campus by the Department of Science & Technology worth ₹ 2.03 Cr.
- ADST FIST project was sanctioned to the Department of Mechanical Engineering, K K Birla Goa campus with a grant of ₹ 1.18 Cr.
- A DBT project was sanctioned to Dr Samit Chattopadhyay of Biological Sciences from the Goa campus of worth ₹ 0.88 Cr.
- An industrial project was sanctioned to Dr Nirmal J and Dr Vamsi Krishna from the Pharmacy department of the Hyderabad campus by Velux Stiftung worth ₹ 2.92 Cr.
- Another industrial project was sanctioned to Dr Prasanta Kumar Sahu of the Civil department at the Hyderabad campus by the Asian Development Bank, Tutem worth ₹ 1.07 Cr.

**BITS BioCyTiH Foundation:** BITS BioCyTiH Foundation: A section 8 company of BITS Pilani, BITS BioCyTiH Foundation witnessed significant expansion, establishing 7 new labs across three campuses in India. In Goa, five new labs-Biosensor Lab, Biolab, IoT Lab, Device Lab, and Incubator-were set up, along with an Omics lab in Pilani and a Fabrication Lab in Hyderabad. So far, the foundation has received ₹ 31.25 Cr received during the FY 2023-24. Currently, we have 35 translational projects ongoing, with 23 originating from BITS Pilani and 12 from esteemed institutions, including IIT Dharwad, IIT Delhi, Sastra Univ, DIAT, and IIT Roorkee. The foundation has also funded 20 ongoing PhD fellowships and 11 post-doctoral fellowships. Our accomplishments include the publication of 25 journals, the development of 12 technologies up to TRL 5, and the filing of 11 patents. Additionally, the BITS BioCyTiH Foundation has supported 30 startups, investing in 14 of them, with a total valuation of approximately 350 Crores. Notably, 21 of these startups have reached TRL level 7 and are already in the market. Moreover, we have organized 20 workshops, various training sessions, and masterclasses, benefitting over 3000 participants.

**SATHI Foundation:** BITS Pilani has been awarded the prestigious SATHI (Sophisticated Analytical and Technical Help Institute) project by the Department of Science and Technology (DST), Government of

India. This major achievement comes with a grant of Rs. 60 crores over the next four years, aimed at setting up advanced research facilities at the institute. BITS Pilani is the only private Institution in the country to be awarded this highly competitive and prestigious grant to host the SATHI Facility. The selection of BITS Pilani for the SATHI project is a testament to the institution's commitment to excellence in research and innovation. Out of more than 35 competing institutions, the BITS Pilani faculty team's compelling proposal stood out, showcasing the institute's commitment to developing scientific knowledge and technological capabilities. Through this funding, BITS Pilani will create a sophisticated instrument facility in Pilani spanning various fields of engineering and sciences, including material sciences, device manufacturing and development, and biopharmaceuticals.

**Rankings:** Our journey towards excellence is exemplified by our impressive achievements, such as advancing 7 ranks to 23 in the NIRF 2023, establishing ourselves as the top Indian private university for Pharmacy, and making significant strides in the 2024 QS World University Rankings. We have distinguished ourselves as the leading Indian private university for employment outcomes, surpassing prestigious institutions like IIT Kharagpur and IIT Kanpur. Our prominence extends to the QS Subject Rankings, where we maintain top positions in Pharmacy and Pharmacology, as well as Physics and Astronomy. In Engineering and Technology, we rank third among Indian private institutions and lead in sustainability, securing the top spot in the QS Sustainability Rankings 2024.

Our commitment to excellence is further highlighted by our remarkable climb in the QS World University Ranking Edition 2025, where we ascended 153 places from 986 to 833. This substantial leap underscores our unwavering dedication and strategic efforts over the past year. It stands as a testament to our relentless pursuit of innovation and excellence in our field. This outstanding progress reflects the hard work and commitment of our entire team and sets a new benchmark for our future aspirations.

**Innovation:** The incubation and entrepreneurship ecosystem on the campus has been stronger than ever. Student startup received by far the most applications from BITS students and alumni who founded startups across all higher education institutions in India. Across BITS campuses, more than 20 student startups were funded by our incubators, while 50+ startups participated in business plan challenges, preincubation programs, and the new venture creation course. We also saw 3 students avail of 1 year break to build their startups; I am happy to share that all 3 students have taken their startups to the next level, with validation from the customers.

In the academic year 2023 - 24, we collaborated with SusMafia, a collective of sustainability champions, to launch a course called Sustainability Venture Creation Course. This course saw participation from more than 50+ students from 14 teams to work on problems in climate change, circular economy, energy efficiency, etc. I am happy to share that we awarded the highest-ever grant of Rs. 31.4 Lacs to the best student entrepreneurs' team in this course, which is exploring the use of DNA for data storage. Overall, we secured more than \$2.5 Million in incubation funding from government, CSR, and alumni funds. In this year alone, we funded 63 startups, with 30 of them led by women entrepreneurs.

**Faculty:** In the Financial Year 23-24, BITS Pilani rolled out 138 offers, with 92 faculty joining and 46 yet to join. Out of 72 tenure-track faculty members, 68 were regularized, while 4 were given extensions to meet criteria. Eight faculty members received the OPERA award for research and academic excellence. Thirteen Industry professionals joined as Professors of Practice. The "New Faculty Seed Grant" (NFSG) initiative supported 65 faculty members for interdisciplinary research, and 165 faculty members benefited from 7.71 crores under Cross-Disciplinary Research Funding.

**BITS-RMIT Higher Education Academy:** BITS Pilani has established a collaborative partnership with RMIT University, Australia, known as the BITS-RMIT Higher Education Academy. This initiative offers dual degree programs across four disciplines: Civil and Infrastructure Engineering, Electronic & Computer Systems Engineering, Electrical Engineering, and Mechanical Engineering. Students begin with two years at BITS Pilani campuses, followed by two years at RMIT campuses in Australia. Starting from the academic year 2024-25, an undergraduate program in Computer Science & Software Engineering will also be offered under this collaboration. Additionally, BITS and RMIT have launched a joint Ph.D. program focusing on multidisciplinary research in areas such as Sustainable Development, Health, Urban Features, Advanced Materials, Design, Digital Technologies, and Business Transformation. Students selected for the Ph.D. program will spend one year at RMIT, receiving stipends, tuition fee waivers, and travel support. They will benefit from guidance from supervisors from both institutions and access to top-tier research facilities throughout the four-year program duration.

**University of Buffalo, NY, USA:** Commitment to Education and Science, BITS Pilani and State University of New York (SUNY)-Buffalo will jointly develop a 2+2 joint Undergraduate Program in engineering and related fields. Students enrolled in these programs will complete their first two years at BITS Pilani campuses and then transfer to the University of SUNY-Buffalo for the final two years.

**Iowa State University, USA:** BITS Pilani and Iowa State University, USA, have launched a unique Joint Undergraduate Degree Program (2+2) and Dual Master's Degree Program (1+1). This collaboration signifies a landmark initiative for enhancing educational opportunities in engineering fields.

While students enrolled in the Joint Undergraduate Degree Program will complete their first two years at BITS Pilani campuses and then transfer to Iowa State University, USA, for the final two years, the graduate students enrolled for a Dual Master's Degree Program will complete their first year at BITS Pilani campuses and then transfer to Iowa State University, USA for completion their degree.

**Alumni Relations:** BITS alumni have excelled in numerous fields, including being honoured with prestigious awards such as Padma Bhushan/Padma Shri. The alumni network boasts over 186,000 members, including on-campus and WILP alumni, with significant contributions to academia, industry, and public service. This includes 7,400+ CEOs/Directors, 6,400+ startup founders, and 3,400+ academicians. BITS has strong connections with 111 unicorns, 14 of which are founded by BITSians, and

notable research initiatives and scholarships. BITS Alumni have been very supportive of various institute initiatives. In the last 5 years, the alumni relations division raised Rs. 117.87 crores from alumni. This year, the institute has already raised Rs 34 lakh+ from 1st April to May 14 and is expected to mobilize around Rs 100 Cr by the end of the financial year. Some of the major donations are:

- Mr Ranvir Trehan of the 1957 batch has donated \$1 Million to set up a Centre of Excellence in Semiconductor Technologies at the Hyderabad Campus.
- Mr Goutham Kurra of the 93 Batch has donated ₹ 1.6 Cr. for a Wind Tunnel Facility at the Hyderabad campus.
- Prof Arun Somani of the 1968 batch has donated ₹ 2 Cr. to promote undergraduate research at the Pilani campus.
- Alumni Relations Division has raised ₹ 45.21 Cr. in FY 23-24, making it the largest donation received in a FY.
- BITS Pilani has introduced the Give India and Benevity platforms, providing alumni with the opportunity to make contributions through these channels for campaign-specific and matched donations.
- "BITS Pilani Incubation and Innovation Centre" project has been completed at Pilani. The Centre is named after one of the biggest donor as the "Rakesh Kapoor Incubation Centre. Rakesh Kapoor has donated ₹ 9.85 Cr. for the same. The centre is built in an area of 38500 sq.ft. The facility has a cost of around ₹ 21 Cr., with funds from alumni and CSR.
- This financial year also brought the highest ever individual funds donated to BITS Pilani. Rakesh Verma, Chairman of Mapmy India, donated ₹ 9 Cr out of the total pledged of ₹ 15 Cr. for the Pilani Convention Centre. The Pilani Convention Centre would be a modern guesthouse facility with 92 rooms and a convention centre.

Several awards are conferred for exemplary achievements of our alumni by BITS Pilani like:

- BITS Distinguished Alumnus Award
- Distinguished Services Award
- Young Alumni under the age of 40

The 2023 BITS Ratna Award has been conferred to Mr Pratul Shroff and Mr Ranvir Trehan. Mr Pratul Shroff graduated from BITS Pilani in 1976 with a Bachelor's degree in Electrical and Electronics Engineering. He is a pioneering serial entrepreneur and venture investor with a three-decade leadership journey in the USA and India. He pioneered the development of the electronics and chips industry in Gujarat during his entrepreneurial stint as the CEO and founder at eInfochips. He created the Dr. K. R. Shroff Foundation as a medium to make a difference in society.

Mr. Ranvir Trehan obtained his BE in Electrical Engineering in the year 1961 from Birla Engineering College. He is a technologist, entrepreneur, and a philanthropist and was appointed by Former President

Barack Obama as a general trustee on the board of the John F Kennedy Centre for the Performing Arts. He is the retired Founder and CEO of SETA Corporation and was Vice Chairman of Apptis Holdings, Inc.

All great institutions have one thing in common - not only do they have great alumni, but these alumni, also stand right behind their alma mater. The alumni, acknowledge that it was on the campus, they came of age, made their destinies with an excellent education, and were ready for the challenges in a field of their choice. How best can they ever share their success where it all started? By ensuring that such an opportunity is available to the deserving student for times to come, made possible by an Endowment Fund.

I am pleased to inform you that BITS Pilani is launching a \$100 Million Endowment Fund, which would provide opportunities for BITS Faculty and Students to take their beloved institution to greater heights. The endowment fund will ensure that a deserving student, especially girls, will not miss out on shaping their careers at BITS Pilani for want of funds. The fund will also enable futuristic research, innovation, and startup creation. After all, BITS Pilani is truly an institution synonymous with "Entrepreneurship" like no other institution in India.

Along with my colleagues, I have been speaking to many alumni through our personal visits to them across India, the US, and Canada, receiving an amazing response to our call for contribution. So far, the alumni have pledged support exceeding \$10 Million, and many more have assured us of significant pledges in due course. We will continue our quest to reach out to all of you across the globe and share our bold vision, and we are confident that our alumni will make sure that we surpass our goal in no time. After all, BITS and BITSians, as they say, are certainly, "It is Magic!".

Since the 17 months I have assumed office, I am amazed to hear new stories of BITS conquering the world every day. In our small way, we try to recognize these trailblazing alumni through a number of awards, namely, the BITS Pilani Distinguished Alumnus Award, Distinguish Services Award, Young Alumnus Award, and BITS Ratna Awards. So far only 120 individuals out of 73,000+ on campus and 112000+ Work Integrated Learning Programmes alumni have received these awards, and few awardees are gracing the occasions today. I would like to say to them, "Thank You from the entire BITS family" for your contributions to BITS, society, nation, and the world. One day, I am sure that the Graduating Class of 2024 will feature prominently in this list of awards, joining an illustrious galaxy of BITSian greats.

This year a new Center of Research Excellence in Semiconductor Technologies (CREST) funded by Mr. Ranvir Trehan is picking up momentum by joining hands with industry and earlier Anuradha and Prashanth Palakurthi Centre for Artificial Intelligence Research (APPCAIR) funded by Mr Prashanth Palakurthi has been contributing in conducting high-quality, focused research in AI, and is a nursery for training future generations of skilled and responsible data scientists. RKIC facility is funded by Alumni and CSR funding and has 100 seater co-working space along with advanced facilities in the areas of AI, AR/VR, Fintech, API, IOT, Women Entrepreneurship Center, etc. Another mega facility - Rakesh Verma

Convention Center is under construction - again funded by alumni that would add much needed value in the organisation of international conferences, organising executive development programmes for industry personnel and extending good stay facilities to our esteemed alumni.

In the financial year 2023-24, we received Rs. 45 Cr. from alumni and CSR contributions, the highest ever our institution received. I thank every donor for participating in BITS Pilani's growth and fuelling our ambitions. Every single rupee has been redirected to ensuring access to education, enhancing research and infrastructure on our campuses, celebrating student and faculty success, and funding startups.

**IPCD:** The International Programmes and Collaboration Division (IPCD) of BITS Pilani is responsible for developing and implementing programs that promote internationalization and collaboration between our university and other educational institutions/organizations around the world.

IPCD has hosted undergraduate exchange students from TU Braunschweig, Germany; KTH Royal Institute of Technology, Sweden; Politecnico Di Milano, Italy; undergraduate students from Loyola University New Orleans, USA under 'Discovering India and Dubai with BITS Pilani; A Cultural Expedition' Program and graduate students from Hiroshima University, Japan under TAOYAKA Onsite Training programme. IPCD, along with APPCAIR and the Computer Science department of all Indian campuses, has successfully secured funding of USD ~300,000/- from data.org and Wellcome Trust to launch programmes on data science focusing on Climate and Health.

### **Overseas Student Doctoral Programme**

BITS Pilani has introduced the Overseas Student Doctoral Programme (OSDP) for international students interested in pursuing full time PhD programme at BITS Pilani Campuses.

### **Discovering India-Dubai with BITS Pilani: A Cultural Expedition Programme**

IPCD, in collaboration with Dept of Humanities & Social Sciences of BITS Pilani campuses, has introduced Discovering India-Dubai with BITS Pilani: A Cultural Expedition Programme for international students.

The two-week Discovering India-Dubai Programme offered by BITS Pilani with a focus on Rajasthan, Dubai, Goa, Hyderabad and Mumbai will offer international students a unique opportunity to explore the diverse cultural, historical, and academic landscapes of these regions.

It's a joy for me to mention a few notable awards and laurels conferred on our Faculty Members and Students. The Director of Goa Campus will present more details of such laurels for the Goa Campus during his address.

### **Faculty Accolades: Pilani Campus:**

- Prof Navneet Goel, Prof Poonam Goel & Prof Vinti Agarwal received a grant from the Ministry of

Tribal affairs for the development of an AI based translation tool for converting text to Tribal languages and Vice Versa.

- Professor S. B. Singh from the Civil Department received the prestigious ICI-UltraTech Outstanding Concrete Technologist Award from the Indian Concrete Institute and UltraTech Cement Pvt. Ltd. Additionally, he was honoured with the Fellowship of the Institution of Civil Engineers, U.K. (ICE, London), an esteemed international award.
- Professor Indresh Kumar & Prof Rajeev Sakhuja from the Chemistry Department received the prestigious CRSI Bronze Medal for 2024 from the Chemical Research Society of India (CRSI).
- Professor Mrinmoyee Basu from the Chemistry Department received the prestigious INSA Young Associate Award for 2024 from the Indian National Science Academy (INSA).
- Professor Sandeep Joshi from the EEE Department received the prestigious IETE-N V Gadadhar Memorial Award from the Institution of Electronics and Telecommunications Engineers (IETE). Additionally, he was honoured with the BRICS Young Scientist Award for 2023 by the Department of Science and Innovation (DSI), South Africa.
- Professor Vinay Chamola from the EEE Department was recognized internationally by being listed among the top 2% of scientists by Stanford University.

#### **Faculty Accolades: Goa Campus**

- Professor Ch. V. V. S. N. V. Prasad from the Economics Department received the Best Paper Award at the 15th Global Conference on Business and Social Sciences, held in Thailand (in-person and online). This award was presented by the Global Academy of Training & Research, based in Kuala Lumpur.
- Prof Srikant Mutnuri from the Biology department has received a grant for Improving washing machine hygiene by reducing the release of microplastics and reusing greywater.
- Professor Rajesh Mehrotra from the Biology Department received the Distinguished Professor and Researcher Award for 2023 in Plant Genetics and Biotechnology.
- Professor Debasis Patnaik from the Economics Department received the Leadership Excellence Award from Reguerdon Inc., New Delhi
- Professor Aswini S. from the HSS Department received the International Early Career Scholar Award and a research grant from the Resilience Research Centre at Dalhousie University, Canada.
- Professor Gunja Sachdeva from the Mathematics Department received the SERB-POWER Grant under the SERB Grant Scheme.
- Professor Amiya K. Pani from the Mathematics Department received international recognition at the 10th International Congress on Industrial and Applied Mathematics in 2023. He was appointed as a member of the Subcommittee for the Su Buchin Prize at ICIAM, hosted by Waseda University in Tokyo, Japan.

- Professor Sunil Bhand from the Chemistry Department received national recognition for his contributions. He was appointed as a national expert in the Area of "Devices and Diagnostics" by the BIRAC for major grants, including BIPP, SIBRI, and PACE. Also, he was appointed as an expert member for IP selection by the Goa State Innovation Council and contributed as an expert for the R&D landscape for the Goa Vision Document 2047.

#### **Faculty Accolades: Hyderabad Campus**

- Professor Tanmay Chatterjee from the Chemistry Department received national recognition for being elected as an Associate Fellow of the Telangana Academy of Sciences (TAS).
- Prof. Sanket Goel has been appointed as the Associate Editor of Sensors and Actuators. This esteemed position bears witness to the innovative efforts and exceptional achievements made by the MMNE lab in the domain of microfluidics and sensors.
- Prof. R. Parameshwaran from Mechanical Department received the National Award for Associate Editor which is the highly valued Heliyon Journal.
- Prof. Nilanjan Dey from the Chemistry Department received the Rising Star in Materials Science Award at the ACS Materials Au Award Ceremony from the American Chemical Society.
- Professor Sounak Roy from the Chemistry Department received the Visiting International Professor Fellowship from Ruhr-Universität Bochum in Germany.
- Prof. Pradyumn Kumar Sahoo from the Mathematics Department was honoured as the Distinguished Referee award from the European Physical Society for European Physical Letters and the Canadian Journal of Physics. Additionally, he received the Outstanding Reviewer award from Canadian Science Publishing.
- Prof. Arkamitra Kar from the Civil Engineering Department received a Technical Committee Membership from the Asian Concrete Federation & from the International Federation for Structural Concrete Journal for fib members (2023). He also received the Certificate for Reviewing from the International Federation for Structural Concrete Journal for fib members.
- Dr. K V G Chandra Sekhar from the Department of Chemistry has been honoured with the Prestigious Fellow of The Royal Society of Chemistry.

#### **Student Achievements: Pilani Campus**

- Ms. Mahima Choudhary from the Biology Department received the DST Travel Grant for EACR Congress 2024 European Association for Cancer Research from the University of Nottingham. She also received the best Poster Regional Young Investigators' Meeting award.
- Mr. Gopalchetty Tejaswi from the EEE Department received the URAM Scholarship 2.0 and first position in SSD Surge Hackathon from the MICRON Technology.
- Mr. Saththa Skanda B M from the EEE Department received the MITACS Research Scholarship.
- Mr. Yashvardhan from the Civil Department became the StratQuest - Winner from IIM Bangalore.
- Mr. Ajita Neogi from the Chemical Department received the International Award for World



PetroTech Congress-2024 Energy and Environment foundation.

- Mr. Shubham Nahata from the Mathematics Department received the DADB Scholarship, Germany (\$3,000).
- Mr. Ananth Venkatesh & Mr. Trideeb Bhattacharya received the Charpak Lab Excellence Scholarship from France.
- Mr. Stavva Puri from the CSIS Department received the MITACS GRI Scholarship from University of Toronto.
- Mr. Akshat Garg from the EEE Department received the S.S. Seshadari Memorial Scholarship from BITSAA.
- Mr. Ashwin Satish Kumar from the EEE Department received the DADB scholarship for Winter University Program.
- Ms Radha Bharadwaj from the EEE Department received "Prospective Women Researchers Award from the Ministry of Education.
- Mr. Yashwardhan Naik Nimbalkar from the Civil Engineering Department received the Swaroop Pratipathi Scholarship from BITSAA.
- Mr. A.Sudarshan & Mr. Amarpal Singh Basra from the Mathematics Department received the Inspire scholarship from DST.
- Mr. Chaitanya Sethi from the CSIS Department received the JASSO Scholarship of 80,000 Japanese currency from Hiroshima University, Japan.

#### **Student Achievements Goa Campus**

- Ms. Rajeshvari Samatbhai Karmur from the Chemistry department received an International Award from SERB.
- Mr. Piyush Priya from the Physics Department received the MITACS Global link Research Internship.
- Ms. Sandhya Basu from the HSS Department participated in the Emerging Psychologist Program (EPP) at the 2024 International Congress of Psychology (ICP) in Prague, organized by the global body International Congress of Psychology (ICP).
- Mr. Prabhu Chidnekar Shamik Sandip from the Biology Department was selected for the Indo-German Summer School 2023 on Renewable Energy from the Indo-German Centre for Sustainability (IGCS) Germany.
- Mr. Vijay Hemmadi from the Biology Department received the Prof. Suman Kapur Memorial Best Thesis Award.
- Mr. Roumik Banerjee, Mr. Komal Paroolkar, Mr. Sujit Kumar Pradhan, Mr. Laxman G. Raikar & Mr. Bhosle Akhil Adinath received an Award for Best Teaching Assistants.

#### **Student Achievements Hyderabad Campus**

- Mr. Ashutosh Mahale from the Pharmacy Department received the Meritorious Prize from the

Indian Cancer Congress.

- Ms. Shishira P S from the Pharmacy Department received an INSPIRE Fellowship to Research Student [IF220526] from DST.
- Mr. Appanapalli Nagavenkata Satyanarayana from the Chemistry Department received SRF Direct from the COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH HUMAN RESOURCE DEVELOPMENT GROUP (Extra Mural Research Division)
- Mr. Ravi Bhushan from the HSS Department received an IEEE IGARSS Travel Grant from the IEEE Geoscience and Remote Sensing Society from Piscataway, New Jersey.
- Mr. Ati Srilekha from the HSS Department received an international Urban Grant from Italy.
- Mr. Mohammad Mustafa & Mr. Shivashis Mund received an internship from Humboldt University, Germany.

### **Student Achievements Dubai Campus**

- Prateek Suri Founder of Maser Group, a leading electronics company in the Middle East and Africa became a self-made entrepreneur by defying the odds to make a mark in the competitive business world.
- Yasasvi is a young entrepreneur, is an Angel investor and growth hacker currently the chief operating officer of Balaji Arun Educational Society and leads from the forefront with various projects that capture the attention of the young generation.

In the last 17 months that I have been at BITS, with the help of Directors and Deans and with the approval of our Chancellor, Shri Kumar Mangalam Birla, we have undertaken the following initiatives and successfully executed them. The impact of these initiatives is already becoming visible in education, research and innovation aspects of the institute. With a focus on enhancing student experience, bridging the gap between academia and industry, and expanding access to high-quality education, we are poised to make significant strides towards our bold aspirations. Some of the notable new initiatives include:

### **New initiatives**

- **SPARKLE:** Student Program for Advancing Research, Knowledge, and Entrepreneurship
- **SOLVE:** Innovation programme for Solving Societal and Business Problems & convert solutions to a business enterprise
- **CDRF:** Cross-Disciplinary Research Framework introduced to connect faculty across campuses & disciplines
- **IMPACT:** Industry Mentored PhD in Advanced and Cutting-edge Technologies
- **PhD Drive:** Center for Research Excellence in Semiconductor Technologies with USD 1 Million donation from alumnus
- **SIRE:** School of Interdisciplinary Research and Entrepreneurship
- **SATHI Foundation:** Sophisticated Analytical Technical Help Institute, DST Supported. INR 60 Cr

- **RAKESH KAPOOR INNOVATION CENTRE (RKIC):** A 3-level, 50,000 Sq. ft. The facility was launched at the BITS Pilani - Pilani campus
- **Professor of Practice:** 15 PoPs hired across campuses and 5 are in the pipeline to improve industry networking
- **CREST:** Center for Research Excellence in Semiconductor Technologies with USD 1 Million donation from alumnus
- **International Travel Support:** Travel Support to PhD Students to attend international conferences
- **Library Infrastructure:** The database of PHG Campuses is centralised, and Open Access Publication Opportunities are available, thereby boosting the research infrastructure

#### **New initiatives in Pipeline:**

- A dedicated endowment fund of 100 Million USD to ensure long-term financial stability and provide ongoing support for scholarships and projects.
- An "Industry Connect" program which aims to bridge the gap between academia and the professional world by facilitating internships, collaborations, and networking opportunities for students. A new Office of Industry Research & Strategic Initiatives (IRIS) is being established in BITS to focus on industry connect and online education initiatives.
- We are also expanding our online education offerings to make high-quality learning accessible to a broader audience through the Swayam platform.
- To recognize and reward outstanding contributions, we have introduced a revised faculty promotion policy along with research awards for Faculty and Scholars.
- As part of our Diamond Jubilee celebration, we are launching "Project Vistaar, which focuses on substantial Infrastructure upgrades across all three BITS Pilani campuses.
- We are undertaking a major curriculum revision to Improve the Quality, Relevance and Competitiveness of our Academic Offerings
- We are strengthening our PS programme with an expanded partner base and a dedicated office of experiential learning, which will act as a central hub to coordinate, enhance and integrate experiential learning opportunities across BITS Pilani campuses.
- We are promoting interdisciplinary programs that blend engineering, science, management, and social sciences.
- We are strengthening our research impact by facilitating our faculty to publish open-access mode by signing up transformative agreements with top publishers.
- Moreover, we are creating structured opportunities like UROP (Under Graduate Research Opportunities) for undergraduate students to engage in faculty-led research projects, aiming to culminate in published works, thus enhancing their academic and professional profiles.

- This year, also being a diamond jubilee year, will witness several international conferences, talks by leading eminent personalities, book launches, conclaves, open days, BITS on Wheels and many more events

These initiatives reflect our commitment to continuous improvement and our dedication to provide a transformative educational experience.

### **Bold Aspirations by 2030**

As we celebrate our graduating class, I am proud to share BITS Pilani's bold aspirations for 2030, following a 3-I approach of Inter-disciplinary Research, Internationalization, and Industry Connect. We aim to contribute to society and the world by investing in areas of societal and national importance, enhancing sponsored research to the tune of INR 200 crores per year from 2026, and encouraging over 200 patent filings per year from 2025 by fostering start-ups through a revamped innovation ecosystem. Our goals include **transformative education** through a revised curriculum with increased flexibility focusing on holistic development, **impactful research** by creating funding support for inter-disciplinary research, and **disruptive innovation** by creating a dozen centres of excellence in select technologies through external funding. We will further drive our research excellence by increasing our Ph.D. strength to 20% of the overall within three years, with a third of them being in joint Ph.D. programs with international partner universities. We aim to provide a compelling experience to all students, enhancing employability, establishing global competitiveness in select technologies, achieving global leadership in entrepreneurship, and driving research excellence.

That concludes the report part of this address - it is time now for some reflections and thoughts for the Graduating class of 2024.

This day belongs to you. It is a testament to your resilience, your commitment to excellence, and your unwavering pursuit of knowledge. You have spent years navigating the challenges of rigorous coursework, research projects, and exams. You have balanced academic demands with extracurricular pursuits, friendships, and personal growth. Each of you has a unique story of how you arrived at this point, and today, we honour and celebrate those journeys.

As you step out into the world, you are entering a rapidly changing landscape. The world today faces unprecedented challenges and opportunities-from technological advancements and environmental concerns to social changes and economic uncertainties. But it is precisely this dynamic environment that makes your role as graduates of BITS Pilani so crucial. Your education here has equipped you not only with technical expertise and academic knowledge but also with critical thinking skills, creativity, and a sense of social responsibility.

Remember, the true measure of your success will not be the titles you hold or the accolades you receive but the impact you have on the world and the lives you touch. Strive to be leaders who inspire, innovators

who create solutions for the betterment of society, and citizens who uphold the values of integrity, empathy, and respect.

Embrace lifelong learning. The education you have received at BITS Pilani is not an endpoint but a foundation upon which to build. The world will continue to evolve, and so must you. Stay curious, stay open-minded, and never stop seeking knowledge. The world awaits your talents and leadership. As you step into new roles and challenges, remember that you are equipped with the knowledge, skills, and values to make a meaningful impact. Embrace the future with confidence and make us proud.

Your alma mater has now given you a passport to succeed in your professional journey. Give back generously to make BITS Pilani stronger and more eminent. As a graduate and ambassador of BITS Pilani, you are the torchbearer of an extremely rich heritage. Today, you start belonging to an eminent community that's respected worldwide. Welcome to the fraternity.

Chancellor Mr Kumar Mangalam Birla, Leadership team of BITS Pilani, faculty and staff, thank you for your unwavering dedication to our students. Your mentorship, support, and guidance have been instrumental in shaping these young minds. You have imparted not just knowledge but also the values and principles that will guide our graduates in their future endeavours.

To the parents and families, thank you for your support and sacrifices. Your encouragement and belief in your children have played a crucial role in their success. Today is as much your celebration as it is theirs.

Congratulations! Please keep in touch and I wish you all the very best for now and always!

Thank you all very much.

Prof V Ramgopal Rao

Vice Chancellor

BITS Pilani

Pilani | Dubai | Goa | Hyderabad | Mumbai

## DIRECTOR'S REPORT

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**Prof. Suman Kundu**

Dear Hon'ble Chief Guest Prof Govindan Rangarajan, Director, Indian Institute of Science, Bengaluru and Proud alumnus of BITS Pilani (1985); Vice Chancellor, Prof V. Ramgopal Rao; Director, BITS Pilani Campus, Prof S.K. Barai; Director, BITS Hyderabad Campus, Prof Soumyo Mukherji; Esteemed Alumni, Members of the Senate, Registrar Col S Chakrabarty, Distinguished Services and Alumni Awardees, Young Achiever Awardees, Industry Associates, Friends from the Media, Invited Guests and Dignitaries, Parents and Guardians of the Graduating students; Esteemed Faculty, Staff and Students of the K K Birla Goa campus; and most importantly - the bright heroes of this occasion, and our pride and joy for all times to come - the graduating batch of 2024;

2024 is a momentous year in the extraordinary sojourn of BITS Pilani, the institute with a difference. This majestic ship sailed with pride in the high seas of higher education for 60 glorious years, exploring new vistas and pioneering new ways to navigate the challenging waters of pedagogy, research and innovation. The ship has successfully ferried its explorers (graduates) to their lands of dream and glory, captained by visionary leaders (VCs and Directors) and sailed by its majestic mariners (teachers). The K K Birla Goa Campus sailed its boat for the last 20 amazing years and only strengthened the magical fleet of BITS Pilani, the legacy Institute of Eminence.

Today, we gather to celebrate a remarkable journey of academic excellence and personal growth. The convocation ceremony is a momentous occasion, marking the culmination of years of dedication, hard work, and unwavering commitment. Each of you, our graduates, has traversed a path filled with challenges and opportunities, emerging stronger and wiser. It is a testament to your resilience and determination that we honor today.

At BITS Pilani, K K Birla Goa Campus, we have always believed that education is not just about imparting knowledge but also about shaping character and nurturing the spirit of inquiry. As Mahatma Gandhi aptly said, "Live as if you were to die tomorrow. Learn as if you were to live forever." This philosophy underscores our approach to education, where learning is a lifelong journey, and each day is an opportunity to discover, innovate, and grow.

Our commitment to holistic development is reflected in the diverse achievements of our students and faculty. From groundbreaking research and innovative projects to social initiatives and entrepreneurial ventures, the community continues to push the boundaries of what is possible. As Dr. APJ Abdul Kalam, former President of India, once said, "Dream, dream, dream. Dreams transform into thoughts and thoughts result in action." Your achievements are a manifestation of these dreams, turning into reality through persistent effort and passion.

This convocation is not just a celebration of academic success but also a tribute to the collective efforts of our entire university community. Our faculty members, with their unwavering dedication to teaching and mentorship, have played a pivotal role in your journey. The administrative and support staff have ensured a conducive environment for your growth. Your family and friends have stood by you, providing the encouragement and support needed to reach this milestone.

As we gather here today, let us remember the values that BITS Pilani stands for: excellence, integrity, and service. These values are the foundation upon which you will build your future endeavors. As you step into the world, remember the words of Swami Vivekananda, "Take up one idea. Make that one idea your life - think of it, dream of it, live on that idea. Let the brain, muscles, nerves, every part of your body, be full of that idea, and just leave every other idea alone. This is the way to success."

With immense pride and a deep sense of gratitude, I stand before you today to present the Director's Report for the Convocation Ceremony of 2024.

This year, 1059 of our students are eligible to receive their degrees: 571 of them their first degree; 284 of them their first degree along with another degree under the dual degree scheme; 138 of them their higher degree; and 66 of them their PhD degree. In this batch, we have three medallists: Gold Medallist - Mr. Dixit Dwij Nitin, Silver Medallist - Mr. Rijul Radhu, and Bronze Medallist - Mr. Sushil Nayak. Let me congratulate each and every one of you.

### **BITS Pilani, K K Birla Goa 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 year 2024 marks the twentieth anniversary of the establishment of BITS Pilani, K K Birla Goa Campus. The campus now has a total strength of about 4581 students, 228 faculties and 265 support staff. This campus offers 11 integrated first-degree programmes, along with Dual degrees, 9 higher degree programmes with Environmental Engineering introduced in AY 2023-24, 8 minor programmes with Robotics and Automation and Data Science in Climate and Health introduced in AY 2023-24. Beginning this year, the campus will offer dual B.E. degree in Computer Science and Software Engineering along with RMIT, Australia; B.E. Electronics and Communication with SUNY Buffalo, USA; B.E. Electrical and Electronics and B.E. Mechanical with Iowa State University, USA. The campus will also offer B.E in Mathematics and Computation, beginning

2024. PhD program in all disciplines is growing from strength to strength and with modest initial success, we are slowly building capacity to place our PhD students in industry or academia through our robust placement cell.

### **BITS Pilani, K K Birla Goa Campus Celebrates 20 Years of Excellence**

BITS Pilani's Goa Campus, known for its cutting-edge education and research, initiated its 20th anniversary celebration on November 1, 2023, with a week-long extravaganza. A beautiful logo was unveiled to mark the celebrations. The institute showcased its remarkable growth, boasting over 220 faculty members, 4500 students, and 11500 graduates in the presence of its present and past leaders. It has also produced two unicorns (with startups valued at over \$1 billion) and numerous accomplished professionals. The celebrations kick-started with a public lecture by renowned astrophysicist Dr. Jayant Murthy. Two state-of-the-art laboratories of Bio-Cyber Physical Systems Technology Incubator Hub (BioCyTiH) and a Biodiversity Pavilion showcasing the campus' avian life were also inaugurated. BITS Pilani Goa hosted the prestigious 89th Annual Meeting of the Indian Academy of Sciences, fostering collaboration and knowledge exchange. The week culminated in an Open Day, where faculty, research scholars, and student clubs showcased their work through demonstrations, posters, and prototypes to the state of Goa. Over 1000 students from various schools and colleges participated, experiencing the vibrant academic culture of BITS Goa. The institute's commitment to excellence and its positive impact on the state of Goa was evident throughout the celebrations. In the process, an immersive 360-degree Virtual Tour of the campus was created by the Branding Team led by Ms Ayesha Kutay. In the 20th year, we are also setting up a 1MWp onsite solar plant that will generate approximately 1.4 million units of power annually and reflects our commitment to sustainable energy adoption and transition. This initiative is projected to offset more than 100 tons of CO2 emissions every year. To enrich campus life experience for students we installed air conditioners in the common rooms of all the hostels, DG sets in each of our hostels, vending machine in strategic areas, new laundry to cater to the student needs and brightened the football and cricket grounds with flood lights to allow games beyond sunlight. There are other initiatives on the cards. The celebrations will continue till October, 2024, overlapping with the Diamond Jubilee celebrations of BITS Pilani, the University.

### **Practice School**

The Practice School is a cornerstone of the BITS educational system, offering hands-on industry experience. In the summer term of 2024, 3,332 students, including 990 from the Goa campus, participated in PS-I across 495 industry and research stations. They were guided by 39 faculty members from Goa. In the first semester of 2023-2024, 1,568 students, including 471 from Goa, joined PS-II at 375 stations, supervised by 81 off-campus faculty. In the second semester, 2,186 students, including 623 from Goa, engaged in PS-II at 561 stations, monitored by 83 off-campus faculty.

### **Innovation, Incubation and Entrepreneurship**

This year, we are proud to report significant progress in fostering a culture of innovation and



entrepreneurship at BITS Pilani, K K Birla Goa Campus. This is evident through the collaborative efforts with key institutes:

- Institute Innovation Council (IIC) facilitated the filing of 27 patent applications, resulting in the granting of 18 patents and the publication of 8 more. It supported intellectual property development by facilitating the submission of 17 Invention Disclosure Forms (IDF).
- BITS Goa Innovation, Incubation & Entrepreneurship Society (BGIIES) played a crucial role in nurturing student-led startups. It provided seed funding of approximately Rs. 12 lakhs through the BGIIES Seed Grant RISE program to 3 promising student ventures and incubation support. It selected 9 startups for the BGIIES EnvironXcel 2.0 Accelerator program, awarding them a total of Rs. 99 lakhs as part of the HDFC Parivartan Grant.
- BGIIES signed MoU with Goa Shipyard Limited and IDFC First Bank to facilitate collaboration and provide valuable resources for aspiring entrepreneurs.
- Young Entrepreneurs' BootCamp (YEB): We organized a successful 6-day boot camp for 150 school students (Grades 9-12). This immersive program provided participants with insights into the world of technology-driven innovation and entrepreneurship. Through lectures by distinguished speakers, hands-on activities, and exposure to cutting-edge labs and startups and pitching of innovative ideas, the YEB empowered these young minds to develop their creativity and problem-solving skills.

This comprehensive approach to innovation, incubation, and entrepreneurship empowers our students to translate their ideas into reality. We are confident that this will continue to shape a future generation of successful entrepreneurs.

### **Media Lab led by Humanities and Social Sciences**

BITS Pilani, Goa Campus inaugurated a new, state-of-the-art Humanities and Social Sciences (HSS) Media Lab. This facility is designed to enhance teaching and learning experiences by providing students with advanced audio, video, and animation resources. The lab boasts features like a dedicated filming area, control room, and soundproof vocal booth. The department plans to use the space for media production and as a cultural hub for showcasing Goan art and collaborating with local artists and institutions. The state-of-the-art facility is dedicated to BITS Pilani as a part of its 20 years celebrations.

### **Central Sophisticated Instrumentation Facility Initiatives**

The Central Sophisticated Instrumentation Facility (CSIF) of BITS Pilani, K K Birla Goa campus, conducted a three-day Hands-on workshop on Confocal Microscopy, attended by participants from various universities/institutes in Goa as well as the pharmaceutical industry. This academic year, CSIF has procured the high-resolution transmission electron microscope (HR-TEM) and a 30-litre capacity liquid N<sub>2</sub> plant to cater to the campus needs. The research facilities provided at CSIF have resulted in over 100 publications from the faculty of the Goa Campus. Multiple higher education institutes in the state of

Goa have visited CSIF in the last year, as well as prominent scientists from Department of Science & Technology (DST), IITs, Department of Biotechnology (DBT), RMIT Australia, and other agencies.

### **Research and Innovation**

Research and innovation are two of the important pillars of the BITS Pilani Goa Campus. We have significantly enhanced the R&D capability by securing sponsored research projects. During the AY 2023-2024, a total of 97 new sponsored projects worth Rs. 25.60 crores were approved and sanctioned (this includes 91 sanctioned projects worth Rs. 23.81 crores and 6 approved projects worth Rs. 1.70 crores), 16 International projects worth Rs. 6.41 crores through Scheme for Promotion of Academic and Research Collaboration (SPARC), International Sustainable Energy Foundation, Global Research Seed Fund (GRSF), Dalhousie University, Quantum Advanced Solutions Ltd, Technology Innovation Institute, UAE. Twelve Industry projects worth Rs.1.66 crores, 14 consultancy projects worth 0.78 crore and 48 Government-sanctioned projects worth Rs. 14.91 crores were also sanctioned. One Trust-funded project worth Rs. 0.04 crore also was secured.

### ***BITS BioCyTiH Foundation***

BITS BioCyTiH Foundation (a section 8 company) created by BITS Pilani and supported under National Mission on Interdisciplinary Cyber Physical Systems NM-ICPS by Department of Science and Technology, Government of India is spread across Pilani, Goa and Hyderabad Campuses and led by Project Directors Prof Sunil Bhand and Prof Samit Chattopadhyay at Goa Campus and Dr Anil Wali as the CEO. During the current year, 14 translational projects at the Goa campus worth Rs. 5.5 crores resulted in 7 Indian Patents (filed), 3 new prototypes developed and 14 high impact journal and conference publications. The inventors in patents at Goa Campus were Prof Siddhartha Tripathi, (ME), Prof Gautam Bacher (EEE), Prof Veeky Baths (Biosci), Prof Kunal Korgaonkar (CS), Prof Utpal Roy (Biosci), Prof Samit Chattopadhyay (Biosci), Prof Sunil Bhand (Chemistry), Prof Vinayak Naik & Prof Arnab Paul (CS). The foundation has also funded 12 PhD Fellowships, 7 Postdoctoral fellowships and 5 project Associates to the campus. Additional grant of Rs. 2.5 crores was approved for the 14 ongoing projects of Goa Campus till March 2025. The foundation by far has received Rs. 31 crores support. A new startup incubation facility and a bio-lab has been created by the foundation in addition to technology development, skilling and startup support programs. A major event, Goa Innovation and Startup Times "GIST", organized by the foundation was inaugurated by Dr. Pramod Sawant (Chief Minister, Government of Goa) and witnessed several dignitaries from the Government, Industry, Academia, entrepreneurs and innovators.

### ***Anuradha and Prashanth Palakurthi Center for Artificial Intelligence Research***

APPCAIR has made significant strides in creating new knowledge at the intersection of cutting-edge AI and Foundational principles. APPCAIR faculty has gained 7000+ citations, published in the top AI Journals (15+, majorly in IEEE/ACM Transactions), developed new courses, established collaborations with top AI Centers globally (UT Austin, CMU, Oxford, Ecole, Penn State, JPL etc) and Corporate Research Labs (Wadhani AI, GE Healthcare, ABB Corp Research). APPCAIR faculty is also involved in

large, inter-disciplinary funded research projects worth INR 7+Cr. State of the Art applications are developed in Manufacturing Systems, Affective Computing, Climate Forecasting and Agriculture. New methods in optimization, robust and reliable inferencing have been developed. There has been extensive Coverage of Research done at APPCAIR in Print and Electronic Media (DST, Hindu, Goa Times, ToI, Analytics India Magazine). The ascendancy of BITS Goa in the elite CSRankings is due to the impressive publications of APPCAIR faculty, placing the institute shoulder to shoulder with the premier IITs, ISI, TIFR etc. APPCAIR faculties have also been appointed Associate Editors in reputed journals this year.

### ***DBT BUILDER***

The Department of Biotechnology, Government of India, has Sanctioned 5 years grant of Rs. 8.43 crores under the DBT-BUILDER scheme (Level III) for Interdisciplinary Life Science Programme for Advance Research and Education. During the year, a grant of Rs. 3.04 crores was received from DBT. Three major equipment namely a Circular Dichroism CD-Spectrometer, X-Ray Photoelectron Spectrometer (XPS) and Contact Angle meter were procured as part of the ongoing project activities. From the first half release of Rs. 3.03 crores, a bioprocess facility was created alongside procurement of GPUs for Computational Biology group. During the year, 3 patents were filed and 4 scientific papers in journals were published. Currently, 6 PhD students are supported by DBT and 8 from the Institute. The program involves about 34 faculty and researchers from Biological Sciences, Chemistry, Chemical Engineering, Computer Sciences and Electrical and Electronics Engineering departments. The project is coordinated by Prof. Sunil Bhand, Prof. Srikanth Mutnuri, Prof. Narendra Nath Ghosh and Prof. Snehanshu Saha. The program covers biomaterials including nanotechnology, bioprocess engineering and computational biology.

### ***Advanced Centers for Research and Innovation***

In the past academic year, the campus has created two centers for advanced research to address national and global challenges. One is to surmount the Grand Challenges in Energy Transition in verticals such as Green Hydrogen, Renewable Energy, Biofuels and Carbon Capture Utilization and Storage. The center has attracted experts from the various campuses of BITS Pilani, other academic institutes and major industries in this domain. The idea is to provide unique solutions to the challenges in Energy Transition. The other center is in the domain of Quantum Technology in alignment with the National Quantum Mission of the Government of India. This center has also created a platform for researchers in BITS system as well as national and international experts and industry like IBM.

### ***Sponsored Research Funding***

In terms of research funding, the recipient departments were the Department of Biological Sciences with Rs. 731.46 lakhs, the Department of Humanities & Social Sciences with Rs. 302.50 lakhs, the Department of Chemistry with Rs. 275.98 lakhs, the Department of Chemical Engineering with Rs. 263.11 lakhs, Department of Mechanical Engineering with Rs.236.23 lakhs, Department of CSIS with Rs. 182.05 lakhs, Department of EEE with Rs. 142.02 lakhs, Department of Physics with Rs. 114.77 Lakhs, and the Department of Mathematics with 107.83 lakhs. Some of the funding agencies in these projects are the Science and Engineering Research Board (SERB), Department of Science & Technology (DST), Indian

Space Research Organization (ISRO), Druva Inc., Data Security Council of India (DSCI), International Sustainable Energy Foundation (ISEF), Tropical Mushrooms (Goa) Private Limited, Council of Scientific & Industrial Research (CSIR), International Institute for Applied Systems Analysis (IIASA) Vienna, Deccan Fine Chemicals (India) Pvt. Ltd, Ministry of Human Resource Development, Aspa Bandsons Pvt Ltd, Vscience, Apollo Tyres Ltd, Defence Research & Development Organization (DRDO), National Bank for Agricultural and Rural Development (NABARD), Goa Energy Development Agency (GEDA), Sreeja Electricals Goa, Technology Innovation Institute, UAE, Goa Carbon Limited, Goa State Biodiversity Board (GSBB), Quantum Advanced Solutions Ltd, Ion Exchange (India) Ltd, Resilience Research Centre (RRC) Dalhousie University, Singh Plasticisers and Resins (India) Private Limited, Vimanic Systems, DeLMA, Université Clermont Auvergne, Global Research Seed Fund (GRSF), Hindalco Industries Limited, King Abdulla University of Science and Technology Saudi Arabia, Leap India Stack Foundation, M/s. Reliable Chemicals, Prasol Chemicals Ltd, Ministry of Environment, Forest and Climate Change (MoEFCC), Indian Council of Social Science Research (ICSSR), National Commission for Indian System of Medicine (NCISM), Goa Cancer Society, Quality Candles works, Ministry of Earth Sciences, Global Conveyor Systems Private Limited, Goa, Department of Biotechnology (DBT), Indian Council of Medical Research (ICMR), TDR Foundation, and the Department of Health Research (DHR).

Some of the significant projects are listed below:

- The Department of Mechanical Engineering was sanctioned a grant of Rs. 118.00 Lakhs from DST under the FIST program.
- Dr. Rajiv Kumar Chaturvedi, Department of Humanities & Social Sciences, was sanctioned a grant of Rs. 25.00 lakhs from the Ministry of Environment, Forest and Climate Change (MoEFCC) entitled "LULUCF Sector Studies for India's First Biennial Transparency Report (BTR-1), Fourth Biennial Update Report (BUR-4) and Fourth National Communication (4NC)". In addition, he has also sanctioned an International Grant of Rs. 44.03 lakhs from the International Sustainable Energy Foundation (ISEF), entitled "Capacity Building for Informing climate action - Agriculture, Forestry and other land uses". Dr Rajiv Kumar Chaturvedi is a Mentor for Dr Sanjay Kumar, who received an ICSSR Post Doc Fellowship for a project entitled "From Climate Trend to Conservation Practices: Strategies for Bridging Science Policy and Local Wisdom in the Western Ghats".
- Dr Srikanth Mutnuri, Department of Biological Sciences, has sanctioned a grant of Rs. 45.92 lakhs from DST entitled "Combination of Constructed Vertical Flow Wetlands, Microalgae Photobioreactor and Microbial Fuel Cell (KIT) for wastewater treatment in Small Pig production farms. In addition, he was also sanctioned a grant of Rs. 89.02 lakhs from DST entitled "Hybrid Non Sewered Wastewater treatment system for safe discharge and reuse-HyWaTs". Dr. Srikanth Munturi was sanctioned a consultancy project of Rs. 7.90 lakhs from Tropical Mushrooms (Goa) Pvt. Limited entitled "Phosphate rich organic manure and biogas production from spent mushroom substrate".
- Dr. Ganesh Bapat (PI) from the Department of Mechanical Engineering, along with Dr. Jajati K Sahoo

(Co-PI), Department of Mathematics, was sanctioned a grant of Rs. 51.96 lakhs from DHR for a project entitled "Design, development, and performance investigation of neck exoskeleton in prevention and reduction of the neck pain"

- Dr. Vinayak Naik (PI) along with Dr. Arnab Kumar Paul (Co-PI) from the Department of CS&IS was sanctioned an Industry project for amount of Rs. 4.50 lakhs from Druva Inc. entitled "Optimizations for Compression using Zstandard".
- Dr. Sravan Danda (PI), along with Dr. Sougata Sen (Co-PI), Department of CS&IS was sanctioned a grant of Rs. 29.99 lakhs from SERB-SURE project entitled "Sensor based data augmentation to improve machine vision algorithms for large scale agronomic semantic segmentation of agricultural farmlands".
- Dr. Jajati Keshari Sahoo, Department of Mathematics, was sanctioned a grant of Rs. 18.81 lakhs from the SERB-SURE project entitled "Developing efficient methods for approximating generalized inverses of tensors and solving multilinear systems".
- Dr. Saurav Bhattacharya, Department of Chemistry, received a grant of Rs. 27.27 lakhs from SERB - SURE for a project entitled "Polyoxo-Noble-Metalate (PONM) and polyoxometalate (POM) - Based dual-vertex Metal-organic frameworks (PONM-POM -MOFs) and POM--MOFs with Ligand Anchored noble -Metal Single-sites: Novel Classes of Heterogenous Catalysts".
- Dr. Surjya Ghosh (PI), along with Dr. Snehanshu Saha (Co-PI), Department of CS&IS received a grant of Rs. 22.85 Lakhs from SERB-SURE for a project entitled "HEXR: Hybrid Explainable Robust Learning Framework to Reduce Annotation Overhead". Dr. Surjya Ghosh (Co-PI), along with Prof. Bivas Mitra, IIT Kharagpur, received a grant of Rs. 36.54 Lakhs (BITS Goa share: 13.77 Lakhs) from AI4ICPS, IIT Kharagpur, for the project entitled "e-Monitor: Development of AI-driven Smartphone based Assistive Framework to Monitor Student Stress as well as Learning Engagements in an Online Learning Platform".
- Dr. Swaroop Joshi, Department of CS&IS, was sanctioned a grant of Rs. 6.21 lakhs from the National Commission for Indian System of Medicine (NCISM) for the project entitled "Using AI in ASUS Education".
- Dr. R P Pradhan (PI), Department of Humanities & Social Sciences, along with Dr. Hemant Rathore (Co-PI), Department of CS&IS and Dr. W Lawrence S Prabhakar, Centre for Strategic Studies Center for Public Policy Research was sanctioned a grant of Rs. 20.00 Lakhs from ICSSR for the project entitled "SAGAR Sagarmala & Indo-Pacific Island Chains: Empirical study on Seaports & Vessel Traffic Pattern for Smart Maritime cooperation".
- Dr. Anil Kumar (PI), along with Dr. P Danumajaya (Co-PI) and Dr. Amiya K Pani (Co-PI), Department of Mathematics was sanctioned a grant of Rs. 26.26 Lakhs from SERB (CRG) for the project entitled "Uniform Stabilization of numerical Approximations of Wave Equations".

- Dr. Arnab Banerjee (PI), along with Dr. Indrani Talukdar (Co-PI), Department of Biological Sciences, received a grant of Rs. 55.76 lakhs from SERB (CRG) for the project entitled "Investigating the significance of V2 and V3 variants of the gonadotropin-releasing hormone (GnRH) in the hypothalamic and non-hypothalamic neurons: new insights in neuronal physiology". Dr. Arnab Banerjee, as Co-PI and Dr. Ruchi Jain Dey, from Pilani Campus, received a grant of Rs. 195.10 lakhs (BITS Goa Share Rs. 63.91 lakhs) from ICMR for the project entitled "A Target guided approach for design synthesis and screening of host-directed therapies for TB and associated metabolic disorders (PCOS) in Women".
- Dr. Anita Agarwal (PI), Department of EEE, along with Dr. Rajiv Kumar Chaturvedi (Co-PI) Department of Humanities & Social Sciences, received a grant of Rs. 5.04 Lakhs from Goa State Biodiversity Board-GSBB for the project entitled "Low-cost Environmental monitoring system powered by solar energy". Dr. Anita Agarwal was also sanctioned an Industry sponsored project of Rs. 5.10 Lakhs from Aspa Bandsons Pvt Ltd entitled "Design and Development of Vehicle Terminal Unit (VTU)".
- Dr. Sonal Ayakar, Department of Biological Sciences, was sanctioned a grant of Rs. 1.00 Lakhs from Vscience for the project entitled "Probiotic based supplements for cancer palliative care".
- Dr. Gunja Sachdeva, Department of Mathematics, was sanctioned a grant of Rs. 18.51 lakhs from SERB (SPG) for the project entitled "Spectral analogue results for strong multiplicity one theorem".
- Dr. Uttara Basu, Department of Chemistry, was sanctioned a grant of Rs. 29.86 lakhs from SERB (SPG) for the project entitled "TRUN-ON fluorescent Gold nanoprobe for the detection of circulating tumour Cells (CTCs)".
- Dr. Vaibhav Joshi (PI), along with Dr. Shibu Clement (Co-PI), Department of Mechanical Engineering, received a grant of Rs. 39.21 Lakhs from Naval Research Board -DRDO for the project entitled "Propulsive performance and hydroacoustics of tandem flapping foils for bio-inspired marine applications".
- Dr. Ramappagari Leshma Manogna, Department of Economics & Finance, was sanctioned a grant of Rs. 9.90 Lakhs from NABARD for the project entitled "Assessing the Farmer's Participation and Challenges in Linking Agricultural Produce Market Committee (APMC) markets by e-National Agricultural Market (E-NAM): Evidence from the state of Goa".
- Dr. Vivek Rangarajan (PI), Department of Chemical Engineering, along with Dr. S D Manjare (Co-PI), Department of Chemical Engineering and Dr. Jayita Chopra, received a grant of Rs. 24.40 lakhs from Goa Energy Development Agency (GEDA) for the project entitled "Value-added products from cashew apple and its pulp wastes - An Economic boost to cashew farmers."
- Dr. Woormileela Sinha, Department of Chemistry, was sanctioned a grant of Rs. 29.75 lakhs from SERB (SPG) for the project entitled "Novel Metal Complexes of Antiaromatic Norcorrols for Small Molecule Activation".
- Dr. Malabika Biswas (PI), along with Dr. Sumit Biswas (Co-PI), Department of Biological Sciences was

sanctioned a grant of Rs. 30.01 lakhs from DHR for the project entitled "Development of a therapeutic bacteriophage carrying the Phi11 holin to combat drug-resistant Staphylococci Infection".

- Dr. Tusar Tirtha Saha (PI) Department of Biological Sciences, along with Dr. Ajeet Mohanty (Co-PI), ICMR National Institute of Malaria Research Delhi, was awarded a DBT project for the amount of Rs.58.85 lakhs (BITS Share of Rs. 38.44 lakhs) entitled "Developmental Immune Suppression and its Antiplasmodial Effects in Malaria Mosquito Anopheles stephensi".
- Dr. Hareesh A G, Department of Humanities & Social Sciences, was sanctioned an Industry project for the amount of Rs.1.05 Lakhs from Sreeja Electricals Goa for the project entitled "A Safe and Healthy Working Environment is A fundamental Principle and Right at Work: A Study on How collective understanding of Occupational Health and Safety Improves the Employer-Employee relationship, Labour Productivity and Economic Development".
- Dr. Vipin Kizheppatt, Department of EEE, received an international consultancy project of USD 4900 (Rs. 4.04 lakhs) from Technology Innovation Institute, UAE, entitled "Development of FPGA based image processing IP cores for space applications". Dr. Vipin also received a consultancy project from Vimanic Systems, Bangalore, for amount of Rs. 3.18 lakhs entitled "Development of FPGA- based communication transceiver for aerial vehicles" and an International Consultancy project from King Abdulla University of Science and Technology Saudi Arabia for amount of USD 6200(Rs. 5.14 lakhs) entitled "Development of multi-slave 12C controller for pipeline inspection".
- Dr. Indrakshi Raychowdhury (Co-PI) Department of Physics along with Dr. Raka Dasgupta (PI), Rajabazar Science College (University College of Sciences and Technology), University of Calcutta received a grant from SERB (CRG) for amount of Rs. 39.01 lakhs (BITS Share Rs. 0.00 lakhs) for the project entitled "Quantum Information and Quantum Simulation with Trapped Rydberg Atoms: Gateway to a New Technological Era".
- Dr. Samit Chattopadhyay (PI) along with Dr. Angshuman Sarkar (Co-PI), Department of Biological Sciences and Mr. Subhrangsu Chatterjee (PI2), Scientist, Ramanujan Fellow (DST), Department of Biophysics, Bose Institute, Kolkata was sanctioned a grant of Rs. 88 .62 lakhs (BITS share- 72.62 lakhs) from DBT for the project entitled "Transcriptional regulation of human telomerase (hTERT) by chromatin remodelling protein SMAR1".
- Dr A Baskar, Department of CS&IS, received a grant of Rs. 17.32 lakhs from ISRO (Respond) for the project entitled "Verification and validation of satellite onboard software written in ADA language using model checking".
- Dr. Nilesh D. Pawar, Department of Mechanical Engineering was sanctioned a grant of Rs.19.03 lakhs SERB (SURE) project entitled "Manipulation of particles in microchannels for point of care diagnostic devices". Dr. Nilesh Pawar also received a consultancy project for the amount of Rs. 0.53 lakhs from Quality Candles works entitled "Thermal Analysis of a Wax Heating System".
- Dr. Pritanshu Ranjan, Department of Mechanical Engineering, was sanctioned a consultancy project

for the amount of Rs. 0.85 lakhs from TDR Foundation entitled "CFD Simulation of wind Turbine".

- Dr. Ramesh Vasan, Department of EEE, was sanctioned an International Consultancy project for the amount of \$9,000 from Quantum Advanced Solutions Ltd entitled "PbS and In As quantum dot materials and short-wave infrared (SWIR) sensors".
- Dr Sudhy S Panicker, Department of Mechanical Engineering, was sanctioned a grant of Rs. 20.82 lakhs from SERB (SRG) for the project entitled "Development of E-HFQ process for precision manufacturing of automotive body components using high-strength aluminium alloy sheets".
- Dr. Upasana Mahanta, Department of Chemical Engineering, was sanctioned a grant of Rs. 32.53 lakhs from SERB (SRG) for the project entitled Deep Eutectic Solvents for Flow Electrode Capacitive Deionization (FCDI): An Innovative Concept for Electrode Driven High-Capacity Desalination".
- Dr. Sudipta Chatterjee, Department of Chemistry, was sanctioned a grant of Rs. 33.00 lakhs from SERB (SRG) for the project entitled "Exploring the reactivity of Amino acid and peptide-based multifunctional molecular electrocatalysts for Energy conversion".
- Dr. Subhasish Roy, Department of Chemistry, was Sanctioned a grant of Rs. 28.45 lakhs from SERB(SURE) for the project entitled "Bioinspired Metallopeptide Hydrogels for Value Added Chemicals".
- Dr. Aswini Kumar Mishra (PI), Department of Economics and Finance, along with Dr. Rajorshi Sen Gupta (Co-PI), Dr. Debasis Patnaik (Co-PI), Dr. Richa Shukla (Co-PI), Department of Economics & Finance received a grant of Rs. 14.22 lakhs from SERB (SURE) for the project entitled "Applications of Supervised Machine learning Algorithms to Analyze the Drivers of Early-stage Entrepreneurial Activities in India: The Role of Socio- cognitive Traits and Institutional Environments".
- Dr. Arnab Roy, Department of Physics, was sanctioned a grant of Rs. 27.61 lakhs from SERB (SRG) for the project entitled "Development of a biomolecule detection system with on-chip planar hall magnetometer for diagnostic uses".
- Dr. Anirban Roy (PI), Department of Chemical Engineering, along with Dr. Snehanshu Saha (Co-PI) and Dr. Santonu Sarkar (Co-PI), Department of CS&IS was sanctioned an Industry Project from Ion Exchange for an amount of Rs. 7.20 lakhs entitled "Developing Advanced Membrane System Design Software".
- Dr. Saroj Sundar Baral (PI), Department of Chemical Engineering, along with Dr. Soumya Ranjan Mahapatra (PI2), Vellore Institute of Technology, was sanctioned a grant of Rs. 38.06 lakhs (BITS share Rs. 12.04 lakhs) from DST for the project entitled "Robust and optimal Decentralized Control Algorithms for Complex Distillery Systems".
- Dr. Aswini S (PI), Department of Humanities and Social Sciences, along with Dr. Amrita Deb, Indian Institute of Technology Hyderabad, India was sanctioned an International project of 50000 Dollars from Resilience Research Centre (RRC) Dalhousie University entitled "Resilience and Mental Health



among youth in India".

- Dr. Amol Deshpande, Department of Chemical Engineering, was sanctioned Industry project for an amount of Rs. 22.58 Lakhs from Goa Carbon Limited entitled "To Conduct detailed Research and Development (R & D) study to achieve the on operating performance of Rotary Kiln in coke calcination process: Modeling and Simulation studies". Dr. Amol Deshpande (PI), along with Dr. S D Manjare (Co-PI), Department of Chemical Engineering, received a consultancy project entitled "Modeling and CFD simulation of a batch reactor with heating and cooling limpet coils used for the production of resins" for the amount of Rs. 2.24 Lakhs from Singh Plasticisers and Resins (India) Private Limited.
- Dr. Paramita Haldar (PI), along with Dr. Mrunalini Kawaduji Gaydhane (Co-PI), Department of Chemical Engineering, received a grant of Rs. 16.09 lakhs (1st year) from ICMR for the project entitled "Understanding the Role of Quantum Dots as Tool for Tumor Imaging and as a Drug Carrier through in-vitro and in-silico Approach".
- Dr. Suman Kundu (PI), along with Dr Raviprasad Aduri (Co-PI), Department of Biological Sciences and Co-Principal Investigator (Collaborator) Prof. (Dr.) Rabindra Kumar Jena and Head Department of Clinical Hematology, SCB Medical College and Hospital, Cuttack, Odisha, received a grant of Rs. 77.89 lakhs from ICMR for the project entitled "Pathophysiological investigations of sickle cell disease and interventions to improve associated hemorheological abnormalities".
- Dr. Arnab Kumar Paul, Department of CS&IS, received a grant of Rs. 14.82 lakhs from SERB (SRG) for the project entitled "An End-to-End Data Storage Framework for Heterogeneous Compute Devices (DaSH)".
- Dr. Meenal Kowshik (PI), along with Dr. Indrani Talukdar (Co-PI), Department of Biological Sciences, and Dr. Arun Shastry, DART, received a grant of Rs. 155.36 lakhs (BITS Goa Share Rs. 112.84 lakhs) from ICMR for a project entitled "Development of biocompatible nanotechnology based nonviral delivery vehicle for micro-dystrophin gene delivery as therapeutics for Duchenne Muscular Dystrophy".
- Dr. Sumit Biswas (PI), along with Dr. Utpal Roy (Co-PI), Department of Biological Sciences, received a grant of Rs. 46.47 lakhs from ICMR for project entitled "Screening the role of shellfish as conduit in the transmission of antimicrobial resistance from the environment into human".
- Dr. Uptal Roy (PI), Department of Biological Sciences, along with Dr. Subhasish Roy (Co-PI), Department of Chemistry and Dr. Shivaprakash M Rudramurthy, PGIMER Chandigarh, was sanctioned a grant of Rs. 95.15 lakhs, (BITS share Rs. 47.84 lakhs) from ICMR for the project entitled "In Vitro and in Vivo Evaluation of the functionally-characterized broad spectrum antifungal cyclic Lipopeptides homologous of the bacillomyxin D Family and Their Synthetic analogues against medically important Mucorales".
- Dr. Pradeep Kumar Sow, Department of Chemical Engineering, along with Dr. Jay Pandey (Co-PI) and Dr. Mrinmoyee Basu (Co-PI) from Pilani Campus was sanctioned an Industry project for the amount of

Rs. 40.90 lakhs from HINDALCO Industries Limited entitled "Copper cathode quality improvement and reduction in bleed to ETP".

- Dr Mridula Goel, Department of Economics & Finance, was sanctioned a consultancy project for the amount of Rs. 1.35 lakhs from Leap India Stack Foundation entitled "Impact Measurement study of Leap India Stack Foundation".
- Dr. Saurabh Chandrakant Patankar, Department of Chemical Engineering, was Sanctioned an Industry sponsored project entitled "Techno economics analysis and scale up studies for development of a coconut biorefinery" from M/s. Reliable Chemicals for the amount of Rs. 16.40 lakhs.
- Dr. S D Manjare, Department of Chemical Engineering, was sanctioned a Consultancy project from Prasol Chemicals Ltd Mumbai entitled "Life Cycle Assessment Study for Hexylene Glycol" for amount of Rs. 0.6 lakhs. Dr. S D Manjare was also sanctioned two Consultancy project from Deccan Fine Chemicals (India) Pvt Ltd entitled "Life cycle assessment study of Picoxystrobin and metobromuron" for amount of Rs. 1.06 lakhs and project entitled "Environmental Impact Assessment of DCPAMINE (2-(2,4-Dichlorophenyl) Amine)," for amount of Rs. 4.95 lakhs. Dr. S D Manjare (PI), along with Dr. Amol Deshpande (Co-PI) was sanctioned two consultancy projects from Goa Carbon Limited entitled "Study on Strategies for Control of Sulphur Dioxide and particulate matter at Salcete Plant of Goa Carbon" for the amount of Rs. 3.12 lakhs and a project entitled "Life Cycle Assessment Study (Carbon Foot Print study) of Salcete Plant of Goa Carbon" for the amount of Rs. 2.77 lakhs. Dr S D Manjare was sanctioned an Industry grant of Rs. 32.03 lakhs from Apollo Tyres Ltd for the project entitled "Development of bio-based antioxidant for application in tyre rubber compounds-A Sustainable material".
- Dr. Swastibrata Bhattacharyya, Department of Physics, was sanctioned a grant of Rs. 30.76 lakhs form SERB (CRG) entitled "Designing 2D van der Waals heterostructures for application as high-performance thermoelectric material.
- Dr. Tanmay Tulsidas Verlekar, along with Dr. Ashwin Srinivasan, Department of CS&IS was sanctioned two consultancy projects from TCS entitled "Expanding the limits of perception, reasoning and efficiency with modern neural networks (TCS Datalab 8) for amount of Rs. 5.25 lakh and TCS Datalab 9 entitled "Expanding the limits of large language Models for Reasoning and Generative Science" for Rs. 5.25 lakhs.
- Dr. Ashwin Srinivasan, Department of CS&IS was sanctioned a consultancy project from TCS RA (TCS Innovation Lab) for an amount of Rs. 39.00 lakhs.
- Dr. Radhika Vathsan, Department of Physics, was sanctioned a Chanakya Doctoral Fellowship (support to Dharamraj R- Ph. Student) from I-HUB Quantum Technology Foundation IISER Pune for the amount of Rs. 6.40 lakhs.
- Dr. Vijayashree Nayak (PI) Department of Biological Sciences, along with Dr. Sanjay Kumar (Co-PI) from the Department of Chemistry and Prof. Vamsi Krishna Venuganti (Co-PI) from the Department of

Pharmaceutical Sciences from Hyderabad Campus, was sanctioned a grant of 4.00 lakhs from Goa Cancer Society for project entitled "Expression analysis of TrxR1 and LGR5 and its Downstream Targets in Oral Squamous cell carcinoma by Radiosensitization with Piperlongumine in Vitro and Ex Vivo".

- Dr. Sarang Chandrashekhkar Dhongdi (PI), Department of EEE, along with Pramod Kumar Maurya, Principal Scientist, Marine Instrumentation CSIR-NIO, Goa and Dr. Rakesh R Warier, Assistant Professor, Department of Electrical Engg, NIT Calicut was sanctioned a grant of Rs. 87.43 lakhs (BITS share 27.61lakhs) from Ministry of Earth Sciences for the project entitled "Autonomous measurement and tracking of deep-Sea plumes using swarm of heterogeneous underwater vehicles".
- Dr. Kiran D Mali (PI), Dr. Iniyar Thiruselvam N (PI), along with Dr. D M Kulkarni (Co-PI), Department of Mechanical Engineering and Dr. Vijayashree Nayak (Co-PI) from the Department of Biological Sciences was sanctioned a grant of Rs. 10.00 Lakhs from Global Conveyor Systems Private Limited, Goa for the project entitled "Structural Simulation and Comprehensive Mechanical Characterization of High-Performance Polyethylene (HPPE) Used for Conveyor Roller and Piping Applications".
- Dr. Iniyar Thiruselvam N, Dr. Kiran D Mali, Dr. D M Kulkarni, Department of Mechanical Engineering along with French PI Prof. Benoit Blaysat, Dr. Thomas Jalin, Prof. Michel Grediac, Prof. Savier Balandraud was sanctioned an International project entitled "Deformation Studies to Reveal Deformation Heterogeneity Phenomenon in Oligocorystals and 3D Printed Polymers Using Localised Spectrum Analysis and Digital Image Correlation" for the amount of 6000 Euros from DeLMA, Université Clermont Auvergne.
- Dr. Alamelu Geetha Krishnamurthy (PI), along with Dr. Rajiv Kumar Chaturvedi (Co-PI), Department of Humanities & Social Sciences was sanctioned an international project entitled "The Value of Multilingualism: a Case Study from Indian States" for the amount of 5000 (Canadian Dollars) from Global Research Seed Fund (GRSF), Dalhousie University.
- Dr. Judith Maria Braganca (PI), Department of Biological Sciences, and Dr. Bhakti Balkrishna Salgaonkar (PI-2) Microbiology Faculty of Life Sciences & Amp: Env. Goa University and Dr. Diptesh Naik (Co-PI, Assistant Professor School of Chemical Sciences Goa University was sanctioned a grant of Rs. 38.84 lakhs, BITS share is Rs. 5.30 lakhs from DBT for the project entitled "Technology Development and Bioprocess Engineering of Agro-Industrial and Single-use Polyethylene waste to biodegradable Polyhydroxyalkanoates by Halophilic Microorganisms".
- Dr. Sarang Chandrashekhkar Dhongdi (PI), Department of EEE, along with Prof. Antonio Pascoal, University of Lisbon, Portugal (PI-2) Dr. Narayan Suresh Manjarekar (Co-PI), Department of EEE, Prof. Ricard Marxer (Co-PI), University of Toulon, Aix Marseille University, CNRS, France was sanctioned an international grant of Rs. 84.42 lakhs from SPARC for the project entitled "Networked Marine Robotic Systems for Ocean Exploration".
- Dr. Rajesh Mehrotra (PI), along with Dr. Sandhya Mehrotra (Co-PI), Department of Biological

Sciences and Prof. Diana Santalia (PI-2), ETH Zurich, Switzerland, Prof. Daniel Anthony Dias (Co-PI), Deakin University, Australia was Sanctioned an International grant of Rs. 73.20 lakhs from SPARC for the project entitled "Deciphering the molecular circuits of seed weight regulation for improved plant productivity".

- Dr. Suvanjan Bhattacharyya (PI), Pilani Campus along with Dr. Ranjan Dey (Co-PI) Department of Chemistry and Dr. Saket Verma (Co-PI) and Dr. Srikanta Routroy (Co-PI), Pilani Campus and Prof. Tunde Bello-Ochende (PI-2), from University of Cape Town, South Africa was sanctioned an International grant of Rs. 73.20 lakhs from SPARC for the project entitled "Encapsulated PCM-based Magnetic Nanoparticles and AI Applications for Optimising Separation of Carcinogenic Industrial Solvents using Solar Energy: Shaping Toward Sustainable Development".
- Dr. Sunil Bhand (PI), Department of Chemistry, Prof. Magnus Wilander (PI-2), Linkoping University, along with Dr. Gautam Bacher (Co-PI), Department of EEE, Dr. Utpal Roy (Co-PI), Department of Biological Sciences, Prof. Bengt Danielsson (Co-PI), Linkoping University was sanctioned an International Grant of Rs. 54.45 lakhs from SPARC for the project entitled "Novel sensors for monitoring and reuse of agricultural runoff water".
- Dr. Amit Setia (PI), Dr Edwin Michael (PI-2), the University of Notre Dame, Prof. Changyun wen (Co-PI), Nanyang Technological University (NTU), Prof. Patricia Jia Yiing Wong (Nanyang Technological University (NTU) (Co-PI), Dr. Anuj Mubayi (Arizona State University), was sanctioned an international grant of Rs. 44.25 lakhs from SPARC for the project entitled "Impact of population Heterogeneity and Complex Socio-Ecological Environments on the Transmission Dynamics of Dengue in the Indian Urban Scenario: Insights from Mathematical Modelling, Data Model Based systems Analysis and control of Complex Systems".
- Dr. Basavadatta Mitra (PI), Department of Humanities & Social Sciences, Dr. Preman Rajalingam (PI-2) (Nanyang Technological University (NTU), Dr. Arfat Ahmed Sofi (Co-PI), Department of Economics & Finance, Dr. Sreenivasulu Reddy Moguli (Nanyang Technological university) was sanctioned an international grant of Rs. 43.67 lakhs from SPARC for the project entitled "On the Anatomy of Collaborative Teaching Learning process: A cultural Tale of Two Nations".
- Dr. Srinivas Krishnaswamy (PI), Department of Chemical Engineering, Dr. Vincenzo Spallina (PI-2) (The University of Manchester), Dr. Sutapa Roy Ramanan (Co-PI), Department of Chemical Engineering, Dr. Carmine D' Agpstino (Co-PI) (The University of Manchester) was sanctioned an International grant of Rs. 41.20 lakhs from SPARC for the project entitled "Advanced High Temperature high-pressure oxygen storage and release materials (OSRM) for unmixed combustion (UMC): A promising CCS and clean energy Generation technology".
- Dr. Alamelu Geetha Krishnamurthy (PI), Department of Humanities and Social Sciences, Dr. Verena Widorn (PI-2), University of Vienna, Dr. Amitendu Bhattacharya (Co-PI), Department of Humanities & Social Sciences, Dr. Nilak Datta (Co-PI), Department of Humanities & Social Sciences, Dr. Neilesh

Bose (Co-PI), the University of Victoria was sanctioned an International grant of Rs. 67.17 lakhs from SPARC for the project entitled "Museum Effect: A Case Study of Goa State Museum and Goa Chitra Museum".

- Dr. Geetha Bakilapadavu (PI) and Prof. Reena Cheruvalath (Co-PI), Department of Humanities & Social Sciences from the Department of Humanities and Social Sciences, Prof. David Kaldewey (PI-2), RHEINISCHE FRIEDRICH-WILHELMS-UNIVERSITÄT BONN, Bonn, Germany, Dr. Desiree Schauz (Co-PI), University of Göttingen, Göttingen, Germany were sanctioned an international grant of Rs. 48.94 lakhs from SPARC for the project entitled "Public Humanities and Pedagogy in the Global South: Challenges and Directions".
- Dr. Sanjib Dey, Department of Physics received a DST Inspire Faculty award for an amount of Rs. 35.00 lakhs and Grant of Rs. 15.00 lakhs for his transferred project from SERB for the project entitled "Metrological and optomechanical advantage for quantum-enhanced fundamental physics".
- Dr. Rajesh Kumar, Department of CS&IS, received a grant of Rs. 4.95 lakhs from DSCI for the transferred project entitled "RESilience- by-Design (RESIDE) an open-source software tool for ranking cyber-attacks and performing quantitative safety- security risk assessment for critical infrastructures under adversarial attacks" and a grant of Rs. 18.14 lakhs from NTIHAC HUB, IIT Kanpur for the project entitled "Predictor and analyzer of security threats (PAST)".

#### **Patents**

- Prof. Jegatha Nambi Krishnan and Prof. Sutapa Roy Ramanan, Department of Chemical Engineering granted patent for 'Method for Constructing Large Area Synthesis of Patterned Complex Metallic Nanostructures and Dissymmetrical Tags' on 12th September 2023 via Patent Number: 450989.
- Prof. Pravin Madanrao Singru (Department of Mechanical Engineering), Narayana Yaswanth Verma Prakhar, Nair Yadukrishnan Sathish, S Gopikrishna granted patent for 'Multi Legged Stair Navigating Device'. Application No. 202011052024, granted on 19th Oct 2023, Patent no :460730.
- Prof. Pravin Madanrao Singru (Department of Mechanical Engineering), Gupta Appurv, Kalola Meet Govindbhai, Bana Ankit granted patent for 'Human powered multi-purpose machine'. Application No. :201611017379, granted on 29th Nov 2023, Patent no :474488.
- Prof. Srinivas Krishnaswamy (Department of Chemical Engineering), Dr. Parul Sahu, K. N. Ponnani, Nawal Pande, P Chugh granted patent for 'A process and an apparatus for continuous freeze crystallization' on 23rd October 2023 via Patent Number: 461479
- Prof. Anirban Roy, Department of Chemical Engineering and Ms. Lubna Muzamilrehman (Erstwhile HD Student, currently pursuing PhD at KAUST) granted patent in 2024 for 'Hollow Fiber Membrane and Preparation Thereof' Application numbered 202011024477 dated 11 June 2020 (Indian Patent) Patent no: 487584. A coating technology was filed which renders hydrophilicity to inner surface of hollow fiber membranes while outer surface remains hydrophobic. This technology was demonstrated

to harvest "thermo-osmotic energy" from waste heat at the laboratory scale.

- Prof. Jegatha Nambi Krishnan, Department of Chemical Engineering along with her students Mr. Shrey Grover, Mr. Arnav Deshpande and Ms. Arya Agarwal, was granted patent for 'Continuous Flow Microfluidic Device for Rapid Heavy Metal Ion Detection in Water Samples' in March 2024.
- Method for Constructing Large Area Synthesis of Patterned Complex Metallic Nanostructures and Dissymmetrical Tags" on 12th September 2023 via Patent Number: 450989.
- Prof. Pravin Madanrao Singru (Department of Mechanical Engineering), Narayana Yaswanth Verma Prakhari, Nair Yadukrishnan Sathish, S Gopikrishna granted patent for 'Multi Legged Stair Navigating Device'. Application No. 202011052024, Application Filing Date: 30th Nov 2020, granted on 19th Oct 2023, Patent no :460730.
- Prof. Pravin Singru is granted approval for patent, "An Apparatus for Turning a Page of a Book" (Patent no.493647, dated 03/01/2024). The idea comes from visit to Leprosy Hospital. This Mechanism works on open chain kinematics using 3-D and 2-D joints. The mechanism operates using foot and can turn pages of any thickness.
- Prof. Saurabh Patankar, Department of Chemical Engineering granted patent for biomass densification technology. This technology enables giving desirable shape to lignocellulosic biomass. Technology was scaled up to TRL 6 by GreenShift Energy Pvt Ltd for bioenergy and packaging applications.
- Prof. Sumit Biswas, Department of Biological Sciences along with Ms. Lakshmi Menon, Utpal Mallick, Mr. Akhilesh Upadhyay and Mr. Shashank Kashyap granted design patent for a Multi-compartment box for Microtiter and Microcentrifuge tubes that can be used in laboratories.
- Prof. Sumit Biswas, Department of Biological Sciences along with Utpal Mallick and Mr. Akhilesh Upadhyay granted design patent for a Portable container with aerator for marine samples in June 2024.

### **Research Publications**

Our researchers achieved significant milestones with multiple publications in renowned journals like IEEE, ACM Transactions, Chemical Society Reviews, and various Nature publications. Notably, out of the total 750+ publications, 476 were listed in Scopus and 302 in Web of Science. We have received 47,000+ total Scopus citations till last year and an SCI-index of 42.33. The Fraction of Open Access publications in Scopus was 0.1155. The average Impact Factor attained is 4.057 according to Web of Science, scoring the significance of our work.

Collaboration played a pivotal role in our success, with 108 international author collaborations, 184 collaborations with other institutions and 70 publications across departments. Additionally, 21 publications resulted from fruitful cross-campus collaborations. These achievements reflect our dedication to advancing knowledge and making an impact in academia and beyond.

## **Research Excellence Awards - 2024 at K K Birla Goa Campus**

Research is the foundation of development of any nation. To encourage research and to honour the achievements thereby, BITS Pilani, K K Birla Goa campus has established Research awards for faculties at three levels. (A) Basic Research - This category of award caters to Theoretical or Lab oriented research, which is fundamental in nature; (B) Societal Applied Research - This award category recognizes Research that is beneficial to the society; (C) Industrial Applied Research - This award category honors Research that is relevant to the industry. The Awardees for 2024 were: (1) Societal Applied Research - Prof. Pravin Madanrao Singru (Mechanical Engineering); (2) Industrial Applied Research - Prof. Srinivas Krishnaswamy (Chemical Engineering); (3) Basic Research - Prof. Mainak Banerjee (Chemistry)

## **Internationalization**

The International Programmes & Collaboration Division (IPCD) at BITS Goa has had a productive year, fostering international connections and student exchange opportunities. New partnerships were forged and IPCD facilitated MoUs with ten universities worldwide, including France, Sweden, Poland, Bangladesh, the USA, South Korea, Italy, Germany and Australia. These agreements aim to facilitate student and faculty exchange, joint research projects, and academic collaborations. MoU was also signed with National Institute of Biology, Ljubljana, Slovenia for specific research collaborations in the domain of biological sciences. IPCD also facilitated a Study Abroad program in Goa for students of Loyola University, New Orleans, USA as part of the "Discovering India and Dubai with BITS Pilani: A Cultural Expedition" program. IPCD catalyzed a successful collaboration between BITS Pilani and Mälardalen University, Sweden, in securing the Erasmus+ mobility program for eight BITS Pilani students over a period of three years.

IPCD hosted delegations and organized workshops to strengthen ties with partner institutions. This included a workshop on Net-Zero Emissions with KTH Royal Institute of Technology (Sweden) and discussions with Université Grenoble Alpes (France). Faculty members from various departments participated in international visits and interactions with universities like Cranfield University, UK; Indiana University, Indianapolis, USA; University of Adelaide and University of Melbourne, Australia; Rheinische Friedrich-Wilhelms Universität Bonn, Bonn, Germany; KWI Institute for Advanced Studies, Essen, Germany. Director of the Campus visited a number of Australian Universities in the cities of Tasmania, Canberra, Sydney and Melbourne as part of an Indian Delegate of Vice Chancellors hosted by the Australian Trade and Investment Commission (Austrade), Australian Consulate, Government of Australia. He acted as a brand ambassador of BITS Pilani and was a panelist on Indian Education System in one of the main sessions of the Universities Australia Education summit 2024 in Canberra, attended by about 1000 delegates representing all Australian Universities.

IPCD awarded travel grants to support students pursuing off-campus thesis work at international universities. A total of 49 students participated in such programs throughout the year. Several students were nominated for international exchange and internship programs, including semester exchanges at

Mälardalen University (Sweden), DAAD WISE Internship (Germany), and Future Research Talent Internship (Australia). K K Birla Goa Campus welcomed international students for both research and semester exchange programs from Italy, Russia, and Croatia. An Australian social scientist was also recruited as a foreign faculty.

### **Alumni Relations Division**

The Alumni Relations Division is dedicated to fostering a strong and vibrant connection between current students, esteemed alumni, and the very heart of BITS Pilani, KK Birla Goa Campus. This past year has been particularly successful in fostering this connection through a diverse range of events, initiatives, and philanthropic contributions.

#### ***Events and Activities:***

- **Celebrating Our Community:** We rekindled the BITS Pilani spirit with the annual BITSians Day celebrations, featuring a trivia quiz and social gatherings. This event brought together alumni from various batches, fostering a sense of nostalgia and connection.
- **Ask Alumni (Almost) Anything:** This unique online series provided students with a platform for unfiltered discussions with accomplished alumni on diverse topics. The series offered valuable insights and facilitated the forging of connections between students and alumni.
- **BITS 2 PHD:** Three BITS alumni - Jineet Desai (CS), Shreya Kapila (Chemical Engineering), and Amit Agarwal (CS) - shared their experiences and offered guidance on pursuing doctoral studies, inspiring current students to consider further education.
- **Guest Lectures and Interactive Sessions:** Throughout the year, distinguished alumni like Dr. Paritosh Ramanan (Assistant Professor, Oklahoma State University), Dr. Mohan (CEO of Fanplay IOT), Kshitij Khandelwal (Founder & CTO of Pixxel), Mr. Narasimha Rao (Synopsys India Pvt. Ltd), and Ankur Omar (CEO of Farmonaut) delivered captivating lectures and interactive sessions, showcasing their expertise and highlighting the impact of a BITS Pilani education.
- **Reunions and Social Gatherings:** The first ever dedicated Reunion event for the batch 2004 was organized in Goa campus, also as part of the 20 years celebration. More than 100 Alumni had participated in the reunion, setting a trend for more reunions in the coming days.

#### **Philanthropy:**

- **Mr. Vaibhav Gajulapalli Memorial Scholarship:** Established by Dr. Sudesh Kumar Gajulapalli and Mrs. Padmaja S. Kumar, this scholarship provides 100% financial support to a deserving male student from a financially disadvantaged background in Mechanical Engineering. This marks the first-ever alumni-based scholarship established at the Goa Campus.
- **Industry Connect:** The division organized events like the BITS ICON Panel Discussion and an online talk by Vikram Joshi (Founder & CTO of Compute.AI) to connect students with prominent alumni leaders and gain valuable industry insights.



- This year we celebrated the remarkable achievements of several alumni, including Govinda Upadhyay (#40Under40 Entrepreneur), recent alumni Akshat Srivastava (recognized by Apple CEO Tim Cook), Shourya Agarwal (founder of Flam, which secured \$4.5 million in funding), Anupama T.V. (IAS officer and Harvard graduate), and the founders of Pixis (Hari Valiyath, Vrushali Prasade, and Shubham A Mishra) who secured \$85 million in funding. Alumni Dilip Ramesh, Sanskriti Dawle, Saif Shaikh, Aman Srivastava, Anuj Srivastava, and Priyesh Srivastava were featured in the Forbes Asia 30 Under 30 list.

### **Teaching and Learning Center (TLC)**

The Teaching and Learning Center (TLC) plays a vital role in supporting and promoting our institution's excellence in teaching and learning. The TLC's initiatives in 2023-2024 demonstrate its commitment to fostering a vibrant and enriching teaching and learning environment for both faculty and students. By recognizing outstanding educators, supporting pedagogical research, and facilitating knowledge-sharing events, the TLC contributed significantly to improving our institution's educational quality.

### ***Faculty Recognition and Development***

- **Teacher's Day Celebration (Samarpan-2023):** On September 5th, 2023, the TLC celebrated Teacher's Day and recognized outstanding faculty contributions through the "Teaching Excellence Award." This year, the awards were presented to:
  - Prof. Rajorshi Sen Gupta (Department of Economics and Finance)
  - Prof. Solano Da Silva (Department of Humanities and Social Sciences)
  - Prof. Abhijit Pethe (Department of Electrical and Electronic Engineering)
  - Prof. Tarkeshwar Singh (Department of Mathematics)
- **Research Grants for Teaching and Pedagogy:** The TLC awarded four research grants to faculty members to support projects focused on improving teaching and learning methodologies. The grant recipients were:
  - Prof. Sarang C Dongdi (Department of Electrical and Electronic Engineering)
  - Prof. Saranya G Nair (Department of Mathematics)
  - Prof. Pravin M Singru (Department of Mechanical Engineering)
  - Prof. Sonal Ayakar (Department of Biological Sciences)
  - Prof. Reena Cheruvalathu (Department of Humanities and Social Sciences)

### **Promoting Best Practices in Teaching**

- **Workshop on Teaching and Learning:** The TLC facilitated a one-day workshop at Don Bosco Engineering College, Margao, on November 17th, 2023. This program aimed to share best practices in teaching and learning. Faculty members, including Prof. Meenal Kowshik, Prof. Radhika Vathsan, Dr Solano Jose Savio Da Silva, Mr Mouli R. B, and Prof. E. S. Kannan, contributed as resource persons.

- Conference on Pedagogy: "Education 2.0: New Horizons in Teaching, Learning and Assessment": In collaboration with TLC from BITS Hyderabad campus and Bhavan's Vivekananda College, Secunderabad, the TLC organized a two-day national conference on pedagogy on January 3rd and 4th, 2024. This conference provided a platform for educators to discuss and explore innovative approaches to teaching, learning, and assessment in the era of Education 2.0.
- Student Engagement Survey: In April 2024, the TLC conducted a student engagement survey among final-year students. The results of this survey will be crucial in understanding student perspectives on their learning experience and identifying areas for improvement in teaching and learning strategies.

### **Faculty Achievements**

The achievements of our esteemed faculty members have been impressive throughout the academic year. Their contributions span across diverse areas, reflecting their dedication to academic excellence and industry engagement. These achievements showcase the outstanding contributions of our faculty members. Their dedication to scholarship, research, and service continues to bring immense recognition to BITS Pilani Goa Campus. A significant number of our faculties were appointed as session chairs in national and international conferences; delivered key notes, invited talks, lectures and poster presentations in conferences; visited universities abroad on various assignments; appointed as external member on advisory committees or board of studies or other research committees; appointed on government initiated special committees or as auditors; appointed as experts in faculty selection panels; organized webinars and seminars; and acted as Reviewers and Guest Associate Editors in reputed journals. A few selected recognitions are listed here.

### **Awards and Recognitions**

- Prof Samit Chattopadhyay, Senior Professor and Shri BK Birla & Shrimati Sarala Birla Chair Professor in the Department of Biological Sciences was conferred upon the prestigious J.C. Bose Award by Department of Science and Technology, Government of India
- Prof Angshuman Sarkar, Department of Biological Sciences, was elected as a Fellow of the Royal Society of Biology, UK. He was also conferred the 'Educationist Par Excellence' award by I.I.H.M., Goa as a part of 'Teachers' Day Celebration 2023'
- Prof Rajesh Mehrotra, Department of Biological Sciences, was elected as a Fellow of the Royal Society of Biology, UK. He was also awarded Dr Sarvepallai Radhakrishnan Distinguished Professor and Researcher Award, 2023, in Plant Genetics and Biotechnology
- Prof Snehanshu Saha, Department of Computer Science, holds a continuing position as an honorary visiting Professor at the Indian Statistical Institute, Bangalore. He was also appointed as an Associate Editor for The Journal of Applied Probability and Statistics. He has been appointment as Associate Editor, Finance Research (Elsevier). Prof. Saha will be acting as the Area Editor-Machine Learning for Finance and Risk Modeling. His appointment as the AE is immediate and is

up to June 2027

- Prof Neena Goveas, Department of Computer Science, was invited as a Senior Research Associate at the International Center for Theoretical Physics
- Prof. Debasis Patnaik, Department of Economics and Finance was awarded the Asian Admirable Achievers Award 2023 for his singular dedication and achievement in his profession by Rifacimento International in July 2023. He was awarded the Leadership Excellence Award 2024 by Reguerdon Inc. Delhi in March 2024
- Prof. Swaroop Joshi, Department of Computer Science, featured on a radio show discussing his work on teaching accessibility.
- Prof. Santonu Sarkar, Department of Computer Science, was selected as the Program Chair for the IEEE International Conference on Cloud Computing (CLOUD) 2024.
- Prof. Arnab K. Paul, Department of Computer Science, Appointed as the General Chair for HiPC 2024. He was also has been appointed to the Review Board of IEEE Transactions on Parallel and Distributed Systems (Q1, IF: 5.3, H-index: 153). Dr. Arnab is the only Indian to be a part of this prestigious board.
- Prof. Veeky Baths, Department of Biological Sciences, was selected as an inductee to the world-class Human Capital Multidisciplinary Research Center. The Human Capital Multidisciplinary Research Center represents a consortium of four leading organizations in human capital research: the National Research University Higher School of Economics, the Russian Presidential Academy of National Economy and Public Administration, the Moscow State Institute of International Relations (University) of the Ministry of Foreign Affairs of the Russian Federation, and the Russian Academy of Sciences N.N. Mikloukho-Maklay Institute of Ethnology and Anthropology.
- Prof Arnab Banerjee, Department of Biological Sciences, was selected as the member of the National Academy of Sciences, India (NASI).
- GreenShift Energy Pvt Ltd led by Dr. Saurabh Patankar of Department of Chemical Engineering and incubated at BITS Goa Innovation Incubation and Entrepreneurship Society (BGIIES) was awarded the best start-up company in Industrial biotechnology including secondary agriculture domain at the Global Bio-India 2023.

#### **Collaborations:**

In this year, the KK Birla Goa Campus forged several collaborations including execution of MoUs with both national and international organizations.

- BITS Goa partnered with Goa Carbon Ltd (GCL), India's leading manufacturer of calcined petroleum coke, to focus on long-term research and development initiatives aligned with Environmental, Social, and Governance (ESG) principles and operational excellence. This collaboration was covered in The Navhind Times on October 17th, 2023.

- A Co-operative Research Agreement was signed with Apollo Tyres Chennai on April 23rd, 2024, for a project titled "Development of bio-based antioxidant for application in tyre rubber compounds-A Sustainable Material". This project focuses on developing sustainable materials for the tire industry.
- The Department of Mechanical Engineering secured its first funded international collaboration. A grant of 6000 Euros was awarded to collaborate with Université Clermont Auvergne (UCA), France, on a project involving 3D Printing & Image Processing (3DP&IP). A research intern from UCA is currently working at BITS Goa under the guidance of Prof. Iniyam Thiruselvam N from March 11th, 2024, to August 23rd, 2024.
- As part of an industry-academia collaboration, a non-disclosure agreement (NDA) was signed with OmniActive Health Technologies Ltd. (OHTL) Mumbai on March 22nd, 2024. This collaboration, led by Prof. Sanjay Kumar, involves critical analysis of OHTL's healthcare products by CSIF, troubleshooting by the Department of Chemistry, and biological evaluation by the Department of Biological Sciences.
- CSIS at BITS Goa is collaborating with the Centre for Development of Advanced Computing ©-DAC) to transition its HPC infrastructure to the cloud. This collaboration aims to enhance scalability, reduce computation times, and foster innovation across various research fields and MoU was duly signed.
- A pre-proposal titled "Quantum Computing Application Development (QCAD)" has been submitted for consideration by the National Quantum Mission, India. This proposal is led by Prof. Indrakshi Ray Chowdhury (BITS Pilani KK Birla Goa Campus) and involves collaboration with various institutes like Saha Institute of Nuclear Physics, IIT Gandhinagar, and IBM Research. As a continuation of this partnership, IBM Quantum invited the team to the Quantum Connect event and offered access to their 100+ qubit hardware for scientific quantum computing research.
- Other collaborators with whom MoUs were signed are listed below:
  - o Andra Pradesh MedTech Zone Ltd., Visakhapatnam
  - o The Polish-Japanese Academy of Information Technology (PJAIT)
  - o Goa University, Goa
  - o MGM Institute of Health Sciences, Navi Mumbai
  - o MIT Academy of Engineering (MITAOE), Pune
  - o Indian Naval Academy Ezhimala, Kerala
  - o All India Institute of Ayurveda, Goa
  - o Council of Scientific and Industrial Research- Central Drug Research Institute (CSIR-CDRI), Lucknow
  - o Dongguk University, Seoul, Korea
  - o Project Management Unit, Directorate of Technical Education, Govt. of Goa

- o National Commission for Indian System of Medicine (NCISM), New Delhi
- o Parvatibai Chowgule college of Arts and Science (Autonomous) Margao Goa.
- o The Directorate of Higher Education (DHE), Government of Goa
- o Daffodil International University, Bangladesh
- o Ruppin Academic Center
- o IvyCap Ventures Advisors Private Limited
- o Pro-Ortho Perfect India Pvt. Ltd.
- o Goethe Institute/Max Muller Bhavan

These collaborations highlight BITS Pilani Goa Campus's commitment to fostering innovation and research excellence through industry and academic partnerships.

## **Conferences, Workshops, Colloquiums**

### **Conferences**

- Department of Biological Sciences
  - o Department hosted the prestigious 92nd Annual Meeting of the Society of Biological Chemists, SBC(I), from 18th-20th December 2023. The extremely successful meet was themed 'Biological Chemistry: Opportunities, Challenges and the Way Forward'. SBC(I) 2023 Annual meeting was an women-centric event, with 50% of the delegates as women. The core team to drive this endeavor included three female faculties: Prof Meenal Kowshik, Prof. Indrani Talukdar and Prof. Malabika Biswas. They were supported by Prof. Suman Kundu and Prof. Samit Chattopadhyay.
  - o Hosted the prestigious international conference on "Frontiers in Genome Engineering" from 14-16 Nov, 2023, in collaboration with CSIR-Institute of Genomics and Integrative Biology (IGIB). The coordinators from the Department were Prof Rajesh Mehrotra and Prof Dibakar Chakraborty.
  - o Conference on International Computational Neuroscience and Bilingualism (ICCNB) 2024. - 26.04.2024 - 27.04.2024. Organized by Prof Veeky Baths
- Department of Chemical Engineering:
  - o CHEMREFERENCE 2023 (National), September 30 - October 2, 2023 (Conveners: Prof Paramita Halder, Prof Mrunalini Gaydhane, Prof S D Manjare, Prof Saurabh Patankar)
- 24th International Symposium, Surfactants in Solution (SIS2024), jointly organized with IISER Pune and ICT Mumbai in association with the Society for Industrial Chemistry and the Indian Society for Surface Science and Technology, June 16-21, 2024. Hosted by Prof Srinivas Krishnaswamy
- Department of Computer Science and Information Systems:
  - o International Conference on Advances in Data-driven Computing and Intelligent Systems (ADCIS 2023), September 21-23, 2023 (Convener and Organizing Secretary: Prof. Snehanshu Saha)
  - o Indocrypt 2023 (International Cryptology Conference), December 10-13, 2023
- Department of Humanities and Social Sciences:

- Conference on Writing Back Sindhi in post-Partition India with reference to Partition Remembrance Day, August 26, 2023 (in association with Prof. Ravi Prakash Tekchandani)
  - International conference "Writing Trust into the History of Capitalism(s)", November 8-9, 2023
  - International Conference on Depth, Surface and Movement: The Indian Ocean Environment, History and Human Agency, December 8-9, 2023
  - IACLALS Conference on Wit, Humour, and the Carnavalesque in Literature and Performance, February 15-17, 2024

### **Workshops**

- GCIR organized a two-day workshop on Grant writing from 3-4 August 2023 for young faculty members. Dr Rajiv Tayal, a Former Advisor at DST and Dr Pradasa Raju, a Former Scientist at DST, were the resource persons.
- Department of Economics and Finance:
  - Workshop on Applied Econometrics (Lecture Series I-V), February-March 2024
- Department of Humanities and Social Sciences:
  - Workshop on Y20 Brainstorming Session Climate Change and Disaster Risk Reduction, August 1, 2023
  - Workshop on G20 University Connect: Engaging Young Minds Lecture Series, August 1, 2023
  - Workshop on Field Ethnography, August 6, 2023
  - International workshop on Public Humanities and Ethnography, November 14, 2023
  - Workshop "Role of Forestry, Agroforestry, and Land Restoration in Achieving Net Zero in the Asian Region", December 12, 2023
  - Workshop on "Collaborative Teaching-Learning Process", May 9-10, 2024
- Department of Mathematics:
  - Three-day International workshop on "Linear Algebra and Related Areas", November 1-3, 2023
  - Two-day workshop on "Mathematical Modeling and Computations for Infectious Disease", April 12-13, 2024
- Department of Physics and CRQIT:
  - Discussion meeting on studying strongly correlated systems using Quantum Technology, August 3-5, 2023
- Department of Biological Sciences
  - One Day Workshop on Biosafety Protocols and Practices, 02.08.2023. Prof Sumit Biswas
  - DBT Builder: Bio-process Technology workshop; 26.09.2023 to 29.09.2023. Prof Srikanth Mutnuri Colloquiums

- The Department of Economics and Finance:
  - Colloquium lecture on "Predictive Modeling of Initial Public Offerings (IPOs) Performance: A Feature Engineering Approach", April 15, 2024 (Conveners: Prof. Rajesh Barik, Prof. Prasad)
- The Department of Computer Science and Information Systems organized Research Showcase Day and PitchIT! Competition, April 13, 2024

### **Students Achievements:**

Students at BITS Goa consistently aim to excel and win accolades from different spheres of their curricular and extracurricular activities. From winning prestigious internships to competitive events globally, BITSians are always at the forefront. Some of the achievements are enlisted:

### **Research and Academics**

- Electrical and Electronics Engineering:
  - Sagnik Das and Arun Raman: Secured 3rd position (overall 4th) in the Shell.ai Hackathon for Sustainable and Affordable Energy: Agricultural Waste Challenge.
  - Nimisha Agarwal, Viraj Kumar, Arun Raman, and Amey Karkare: Won the Best Paper Award at the ACM Global Computing Education Conference for their work on creating refute questions from student code.
  - R. Harishankar, A. Kadambi, and R. Kadlimatti: Received the Best Paper Award at the International Conference on Range Technology for their research on waveform sets for MIMO Radar.
- Chemical Engineering: Krushika Mhalshekar, Mrunalini Gaydhane, and Sharad Sontakke presented their research on photocatalytic degradation of Malachite Green dye at international and national conferences. Krushika also attended a seminar on chromatography.
- Mathematics: Students excelled in research presentations and competitions. Harshavardhan Thodupunoori and Lakshay Girdhar's work on hydrogen storage and lithium-ion batteries was selected for international conferences in Germany. Divyansh Singh secured first place in the Quark National Hackathon, and Ishita A secured second place in a cultural event. Mr. Pabitra Kumar Pradhan received the "Best PhD Theses Award" for his optimization and partial differential equations work.
- Physics: Piyush Priya and Pranav Srikanth secured prestigious international research internships at the University of Ottawa and DESY, Germany, respectively.
- Biological Sciences: Several students secured awards and recognition for their research. Akansha Savardekar, Kavya Chandra, Manideep Burrs, Suhas Karle, and others won awards at conferences and symposiums. Ms. Nivedita Kolvekar was inducted into the organizing committee of a world toxicology congress. Pritish Shukla (PMRF Fellowship), Vijay Hemmadi (Best Thesis Award), and Nayan Mate (Research Paper Award) achieved distinction in their respective fields.
- Humanities and Social Sciences:

- o Sandhya Basu: Won the Emerging Psychologist Program Award and Best Thesis Award from Humanities and Social Sciences
- o Shivani Keny: Secured the Best Paper Award at the International Humanities and Social Sciences Student Research Colloquium.
- o Apoorva Heroor: Selected as a visiting scholar at the Rachel Carson Centre for Environment and Society.
- o Utsarjana Mudsuddi: Awarded the FREETORINO scholarship for a summer school in Italy.

### **Entrepreneurship and Innovation**

- Project Kratos: A team led by Vyomesh Bhatt and Shlok Mehandale secured third place in the autonomous task at the International Rover Challenge 2024.
- Team iGEM won Silver Medal and Best Hackathon Project Trophy in the Giant Jamboree of the iGEM at Paris held from 2nd to 5th Nov 2023. This is the Biggest Synthetic Biology Competition in the World. Team Members including Aniruddha Nayak, Sumiran Kasturi, Rishikesh Panda, Tanish Gupta, Prajwal Nandeesh, Vansh Jain, Aditi Shimpi, Rohit Chebbi, Abhiram Verma, Parv Singhania, Syed Hamadan Ahmad and Ankita Ray Chaudhuri were guided by PI Prof. Sumit Biswas.
- Rohan Khosla was awarded the Diversity Scholarship by the Open Source Robotics Foundation to attend their annual developer conference ROSCon 2023 (18th - 19th October) in New Orleans, USA. Mr. Khosla was one of the 15 participants selected from 11 countries out of 200 applicants including undergrads, masters, PhD students and working professionals.
- Ms. Swarnali Banik, PhD scholar - Department of CSIS and APPCAIR, was awarded the Chanakya Ph.D. Fellowship by the Technology Innovation Hub of IIT Kharagpur Artificial Intelligence for Interdisciplinary Cyber Physical Systems in January 2024.

### **Awards and Recognition**

- Ms. Pranjali Gondhe: Awarded CSIR senior research fellowship.
- Mr. Chandresh Dwivedi: Awarded Best PhD Thesis Award and SERB-FICCI Young Achiever Award for his research on cost-effective carbon-silica fillers.
- Nanda Kumar BV and Soham Kulkarni: Finalists at APCCAS 2023 FPGA Grand Design Contest.
- Prayag Mohanty: Secured fourth position in the Dempo Inter College Business Quiz.
- Rohan Khosla: Awarded a Diversity Scholarship by the Open-Source Robotics Foundation.
- Naitik Verma, Vidit Jain, Ronan Coutinho, and Amogh Malagi: Secured third place in the HACK-AI-THON hackathon.
- Arnav Borkar: Received the HPC Illuminations Pavilion award at SuperComputing 2023.
- Aadi Nesarkar and Veer Shah: Presented a research paper at IEEE CVMI'23.
- Aishwarya Ravindra Parab: Presented a poster on smart contracts at the Student Research



Symposium during HiPC 2023.

- Aditi Anand Shetkar: Participated in the International Research Workshop on Advances in Deep Learning and Applications.
- Lakshmi Menon: Received the Travel Award at the International Conference on Integrated Proteomics.
- Utpal Mallick: Selected for Oral Presentation and received a grant for The International Symposium on Regional Meeting on the Conservation of Asian Horseshoe Crab.
- Several M.Sc. Biological Sciences students: Awarded MITACS, Canada Fellowships.
- Laxman Raikar & Akhil Bhosle: Received Best Teaching Assistant Award from the Chemistry Department.
- Ms. Asmita Gaonkar: Won the Best Poster Award at ChEmference 2023.
- Shaikh Sameer Maulasab, Naik Sankalp Purushottam, and Mayank Parashar: Awarded Best Teaching Assistant Award from TLC.
- Binay Sahu and Sujit Kumar Pradhan: Received Best Teaching Assistant Award from TLC.
- A V S Durga Prasad and Prof. Ch V V S N V Prasad, Department of Economics and Finance received the Best Paper Award at the 15th Global Conference on Business and Social Sciences organized by Global Academy of Training & Research and held at Thailand, 14 - 15 Sept 2023.
- Aditi Prabhune, PhD Scholar won the Best Poster Presentation Award at the 38th International Conference on Solution Chemistry (38th ICSC) held in BELGRADE, SERBIA, 9 - 14 July 2023.
- Anagha B. Patil, a PhD scholar working under the guidance of Prof. R N Panda, Department of Chemistry received the Best Poster Award in the 67th DAE-BRNS Solid State Physics Symposium (DAE-SSPS 2023) held at GITAM University, Visakhapatnam, 20 - 24 December, 2023. Anagha was also awarded 4th Prize in Poster Presentation Competition in National Conference on Advances in Material Science held at Government College of Arts, Science and Commerce, Khandola, Marcela - Goa, 9 - 10 February, 2024.
- Mr. Dilawar Singh Sisodiya, a Ph. D. Scholar, working under the guidance of Prof. Anjan Chattopadhyay, Department of Chemistry, his work on the Photochemistry of Butterfly Crown Ether featured on the Front Cover of the Current Issue of The Journal of Physical Chemistry A
- Golda Godly, a PhD scholar working under supervisor Dr. Yadawananda Neog, Department of Economics and Finance secured 4th prize at the Economics Research Championship, hosted by Indus Business Academy, Bangalore on 09 Dec 2023.
- Manideep Burra, a PhD scholar working under the guidance of Prof. Malabika Biswas, Department of Biological Sciences secured the 1st prize for his poster at the 4th international conference on Bacteriophage Research and Antimicrobial Resistance organized by Centre for Advanced Studies in

Botany, University of Madras, 28 to 30 Sept. 2023.

- Nasla Najeeb, a PhD Scholar working under Prof. Rajiv Chaturvedi has been awarded DST Inspire Fellowship 2023.
- Shamik Prabhu Chodanekar, PhD Scholars of Department of Biological Sciences has been awarded JRF UGC Fellowship, 2022 and Selected for IGCS SUMMER SCHOOL 2023 with Full scholarship.
- Mr. Ankit Thakuri (PhD Scholar - Department of Chemistry) received Best Poster award in TSRP-2024, BARC, Mumbai in January 2024 and Best Oral Presentation award ICLMFA-2024, GNDU, Amritsar in March 2024
- Ms. Devika Nagar (PhD Scholar - Department of Biological Sciences) was adjudged as Topper at the '16S rRNA Gene Sequence Analysis and Whole Genome Analysis for Microbial Identification' workshop organized by the MACS Collection of Microorganisms (MCM), Agharkar Research Institute, Pune and co-hosted by the Association of Microbiologists of India, Pune, 20 to 22 March 2024.
- Ms. Jemi Gandhi (PhD Scholar - Department of Chemistry) was awarded FIRST position for oral presentation with Laxman G. Raikar, KVK Gupta and Prof. Halan Prakash in International workshop on Photo-irradiation and Adsorption based Novel Innovations for Water-treatment, January 22-24, 2024 at CSIR-National Environmental Engineering Research Institute, Nagpur.
- Ms. Komal Paroolkar (PhD Scholar - Department of Mathematics) received the best paper presentation award, at the 6th International Conference on Information Systems and Management Science, 23 - 24 Dec 2023 at IIT Bhilai.
- Mr. Ravishankar P. Desai (PhD Scholar - Department of EEE) received the Best Paper Award at the 20th International Conference on Control and Instrumentation Systems, at MIT, Manipal, October 6-7, 2023.
- Prayag Mohanty (2020A3PS0566G) & Amit Kuvelker (2021A7PS3054G) secured 4th place in Dempo Bizquest 2024, a business quiz organized by Dempo College of Commerce and Economics held on 6 Jan 2024
- Siddhant Kulkarni, Kumarakrishna Valeti and Dr. Hemant Rathore (Faculty Mentor) won the Vimarsh 2023 5G Hackathon (Problem Statement PS08) at IIT Madras, organized by the Bureau of Police Research & Development, Ministry of Home Affairs, Department of Telecom (DoT), and TCoE-India.
- Aryan Kaul, final year student of Department of Chemical Engineering successfully completed his Summer training program on the fabrication techniques of micro/nano systems engineering under the Student Exchange Program between BITS Pilani, K K Birla Goa Campus and Dongguk University, South Korea.
- Pranav M R, BE Computer Science, 2023 Batch was ranked 3rd internationally, in the youth category at the 'International Astronomy and Astrophysics Competition 2024' in July 2024.

#### **Best Thesis Award - 2024 at K K Birla Goa Campus:**

**64 Convocation 2024, K K Birla Goa Campus**

This award has been established to encourage and recognize promising research by doctoral students. It is a testament to the contribution of student's research and creative activity to the development of the University, the various disciplines, and society at large.

The Awardees for 2024:

- Dr. Zantye Pranjita Ganesh, Biological Sciences
- Dr. Debika Gogoi, Chemistry
- Dr. Chandresh Kumar Dwivedi, Chemical Engineering
- Dr. Hemant Rathore, Computer Science and Information Systems
- Dr. Sudhir P R, Economics & Finance
- Dr. Rahul Bajpai, Electrical and Electronics Engineering
- Dr. Sandhya Basu, Humanities and Social Sciences
- Dr. Pabitra Kumar Pradhan, Mathematics
- Dr. Gangipamula Rajavamsi, Mechanical Engineering
- Dr. Aditya Sharma, Physics

### **Outreach**

We function in harmony with the community and state of Goa and the nation. At BITS Pilani Goa Campus, as part of the outreach activities to the community in Goa, we initiated the Faculty Enrichment Internship Program with the Department of Higher Education. With Directorate of Technical Education under the aegis of the Coding & Robotics Education in Schools Scheme we collaborated for introduction of computational thinking principles and practice in school education. We are collaborating with Goa University for facilitating students of Goa University and its Colleges to pursue research and project work at BITS Pilani for 1-2 semesters and providing them an opportunity to fast track into the institute's PhD program. Since 2021, we are partners with the State Government in organizing Manohar Parrikar Vidnyan Mahotsav.

We have helped the Government of Goa to prepare the vision-based knowledge document in the 75th year of Indian Independence and the state action plan on climate change. The technology incubator hubs in BITS Goa work very closely with other incubators in Goa as well as innovators in the state. Our students also engage in community events like beach cleaning. Our research also caters to the needs of the State in domains like environment, climate change, green hydrogen and others. Our teachers reach out to schools and colleges in taking special classes, delivering lectures and serving on various committees. Since last several years, our students have been organizing activities for children from the underprivileged community around our campus. In a heartwarming display of inclusivity and athletic prowess, our students have been hosting annual sports day for specially-abled kids (UDAAN).

Each BITS Pilani, K K Birla Goa Campus department has made significant strides in academics, research, and student development, contributing to their respective fields and fostering a culture of innovation and excellence.

As we celebrate the achievements of our graduating students today, we also look ahead with optimism and confidence. The knowledge, skills, and experiences gained during your (graduation) time at BITS have prepared you to navigate the world's complexities with courage and integrity. As you embark on this new chapter of your life, remember the lessons learned, the friendships forged, and the unwavering support of your mentors and loved ones.

Dear graduates, you are the torch bearers of our legacy, and the world awaits your contributions. Your journey is just beginning, and with the knowledge and experiences gained at BITS Pilani, you are well-equipped to make a significant impact. On behalf of the entire university community, I extend my heartfelt congratulations to each of you on this momentous occasion. May you continue to uphold the values of knowledge, excellence, and service as you embark on new endeavors and make a positive impact on the world.

Congratulations, Class of 2024!

Prof Suman Kundu

Senior Professor and Director

Birla Institute of Technology and Science (BITS) Pilani

K K Birla Goa Campus

## INTRODUCTION OF THE CHIEF GUEST

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***Prof. Govindan Rangarajan***

Prof. Govindan Rangarajan obtained an Integrated M.Sc. (Hons.) in Physics from BITS, Pilani, in 1985 and went on to complete a PhD from the University of Maryland, College Park, USA, in 1990. He worked at the Lawrence Berkeley Lab, University of California, Berkeley, before returning to India in 1992.

Since 1992, Prof. Rangarajan has been a faculty member in the Department of Mathematics at the Indian Institute of Science (IISc), Bengaluru, where he currently serves as the Institute's director. Prof. Rangarajan's research interests lie in the general areas of nonlinear dynamics & chaos and time series analysis, having applications in neuroscience, geophysics and accelerator physics.

Prof. Rangarajan has received widespread recognition for his extraordinary contributions to research. Besides being a Fellow of the Indian Academy of Sciences and the National Academy of Sciences, India, a Homi Bhabha Fellow as well as J.C. Bose National Fellowship Awardee, Prof. Rangarajan has been bestowed with the prestigious title *Chevalier dans l'Ordre des Palmes Academiques* (Knight of the Order of Academic Palms) by the Government of France in 2006.

Prof. Rangarajan was conferred with the Distinguished Alumnus Award by BITS Pilani in 2017 in recognition of his impactful contributions to academic teaching and research.

## BITS RATNA AWARD 2024



**Mr. Pratul Shroff**

Pratul Shroff obtained his B.E. Electrical and Electronics Engineering from BITS Pilani, Pilani Campus in 1976. Pratul is a Serial Entrepreneur with experience of running multiple companies in the last three decades both in USA and India. He founded elnfochips, which grew from 1 person to about 2000 engineers in 2018.

After selling elnfochips, Pratul is full-time involved in leading & managing Dr. K. R. Shroff Foundation that he founded almost 12 years ago. The foundation is run like a company and is involved very heavily into education, advocacy for marginalized communities, water conservation, reforestation and social entrepreneurship.

Pratul also actively mentors entrepreneurs and invests in new-age ventures. He has invested in several leading VC funds and start-ups and mentors founders. He is also actively involved in mentoring several social development entrepreneurs who have started new ventures to create livelihood in rural areas and develop rural economies.

Pratul has won many awards and accolades, including the 'Outstanding IT Entrepreneur of the Year' by Ahmedabad Management Association (AMA) event, Visionary Leadership in the ICT Sector by GESIA, "Man of Innovation Award" by the Electronics Maker Magazine, "Gujarat Ratna" & "Hercules Award" from the Government of Gujarat, amongst others.

The BITS Ratna Award is awarded to Pratul Shroff, in recognition of his outstanding contributions to industry as an Entrepreneur, Corporate Leader, and to BITS Pilani & the society through his philanthropy. Through his achievements, Pratul Shroff has brought glory and laurels to his Alma Mater – BITS Pilani.

## BITS RATNA AWARD 2024



**Mr. Ranvir Trehan**

Ranvir Trehan obtained his B.E. Electrical Engineering from BITS Pilani, Pilani Campus in 1961. Ranvir Trehan is a technologist, an entrepreneur, and a philanthropist. He founded SETA Corporation. By 2004, when it merged with Apptis Inc., SETA had more than 650 technical staff working in 15 offices across three continents with an annual sale of about \$86 million.

He has also served as Vice-Chairman of Apptis Holdings, Inc. He was a department head of Information and Communications Systems from 1985 to 1987, and a member of the technical staff from 1969 to 1985 at The MITRE Corporation, a not for profit think tank serving the US government.

Ranvir has served as a board member of the Wolf Trap Foundation for the Performing Arts; CARE, a global poverty fighting organization; and is a member of the President's Advisory Group at the University of Michigan. Ranvir was appointed by President Barack Obama as a general trustee of the John F Kennedy Centre for the Performing Arts in Washington DC.

The BITS Ratna Award is awarded to Ranvir Trehan, in recognition of his outstanding contributions to industry, to BITS Pilani as well as to the society through his philanthropy. Through his achievements, Ranvir Trehan has brought glory and laurels to his Alma Mater – BITS Pilani.

## DISTINGUISHED ALUMNUS AWARD 2024

### FOR HIS SIGNIFICANT CONTRIBUTIONS IN CORPORATE LEADERSHIP

#### *Mr. Adarsh Nair*



Adarsh Nair obtained his Bachelors in Electrical and Electronics Engineering from BITS Pilani in 2001, an M.S. in Electrical and Computer Engineering from the University of Florida in

2003, and subsequently, an MBA in Strategy, Entrepreneurship, and Marketing from The Wharton School, University of Pennsylvania in 2009.

He is the Co-founder and General Partner at Optica, a quant hedge fund. With over a decade of cross-functional leadership experience across the USA and India, Adarsh has demonstrated a keen ability to drive growth and innovation, evident from his roles at Microsoft, McKinsey, Marchex, and Convoy. His relentless pursuit of excellence continues to shape the future of digital services, creating enduring value for stakeholders globally.

Prior to founding Optica, he served as the Chief Executive Officer of Airtel Digital and the Chief Product Officer of Airtel. He has been instrumental in steering the company's digital evolution, fostering exponential revenue growth, and assembling a robust team of over 1000 professionals dedicated to innovation and excellence.

He drove the digital transformation of Airtel, where 30% of Airtel acquisition and 70% of their repeat revenue moved online. He was also responsible

for driving \$300M of incremental revenue by establishing new businesses, like Airtel Finance and Airtel IQ.

He also spearheaded the expansion of Wynk Music, scaling it to over 75 million users and facilitating 3 billion music streams monthly. Additionally, Adarsh led the successful launch of the Xstream video app, attracting 3 million paid subscribers.

The Distinguished Alumnus Award for the year 2024 in the category of Corporate Leadership is awarded to Adarsh Nair, in recognition of his outstanding contributions to the field of telecom in India. Through his achievements, Adarsh Nair has brought glory and laurels to his Alma Mater – BITS Pilani.

### FOR HER SIGNIFICANT CONTRIBUTIONS IN ENTREPRENEURSHIP

#### *Ms. Anindita Sampath*



Anindita Sampath obtained her Bachelors in Electronics and Instrumentation Engineering from BITS Pilani in 2002 and her MBA in Finance and Economics from the Indian Institute of

Management, Calcutta in 2004. She is the Co-Founder of YogaBars, a leading nutrition brand dedicated to promoting healthier lifestyles. Anindita is currently pursuing a Sloan Fellowship (Masters in Management) from Stanford University Graduate School of Business (2024).

Through YogaBars, Anindita has been a pioneer in the health food industry, inspiring countless



## DISTINGUISHED ALUMNUS AWARD 2024

individuals to embrace healthier choices and prioritize their well-being. Founded in 2013, YogaBars was the first company to introduce preservative- and chemical-free, better-for-you snacking and breakfast options. The company and founder's story have inspired the next generation of food CPG brands and women entrepreneurs. Under Anindita's leadership, YogaBars has achieved remarkable success, securing strategic investments from major industry players, including approximately Rs 255 crore from Indian conglomerate ITC.

Her future focus includes mentoring upcoming entrepreneurs (especially women entrepreneurs) and contributing to the growth of the startup ecosystem.

In recognition of her outstanding contributions to the field of entrepreneurship, Anindita Sampath is awarded the Distinguished Alumnus Award for the year 2024 in the category of Entrepreneurship. Through her achievements, Anindita has brought glory and laurels to her Alma Mater – BITS Pilani.

### FOR HIS SIGNIFICANT CONTRIBUTIONS IN PUBLIC LIFE

*Dr. George Jacob*



Dr. George Jacob obtained his M.Sc.(Tech) in Museum Studies from BITS Pilani in 1986 and pursued higher education at University of Toronto as a Commonwealth Scholar and Yale School of Management. Currently, he is the President & CEO of Smithsonian Affiliated

BayEcoTarium, and oversees a staff of 200 across six institutions.

His contributions to society are multifaceted and far-reaching. He has led over 100 museums and exhibits design-build projects in 14 countries, demonstrating his expertise in creating award-winning educational experiences. Notably, he is the world's youngest science museum Director, has served as the Founding Director of four museums, and is one of the leading authorities in the field. Dr. Jacob serves on the Boards of California Travel Association, US Travel and the International Council of Museums that reflects his commitment to advancing museums and destination development initiatives globally.

His dedication to societal impact is evident through his project leadership for prestigious initiatives like the Smithsonian's 1812 Star-Spangled Banner permanent exhibit. Furthermore, his extensive publication record and authorship of 8 books on the future of museum design highlight his thought leadership in the field.

Throughout his career, Dr. Jacob has been recognized with numerous awards and honors, including the prestigious Late Queen Elizabeth II Platinum Jubilee Medal of Excellence, Louie Kamookak Medal from the Royal Canadian Geographical Society and the Secretary's Award on Environmental Sustainability from the California Museums Association. His visionary leadership and significant contributions to museum design have solidified his position as a leading figure in the global museum community.

The Distinguished Alumnus Award for the year

## DISTINGUISHED ALUMNUS AWARD 2024

2024 in the category of Public Life is awarded to Dr. George Jacob, in recognition of his outstanding contributions to the field of Museum Curation, Creation and Management. Through his achievements, Dr. George Jacob has brought glory and laurels to his Alma Mater – BITS Pilani.

### FOR HIS SIGNIFICANT CONTRIBUTIONS IN ENTREPRENEURSHIP

#### Mr. Goutham Kurra



Goutham Kurra, obtained his Bachelors in Mechanical Engineering and Master of Science in Physics from BITS Pilani in 1998, and a Master of Science in Computer Science from the

University of Cincinnati in 2001.

Goutham is a successful entrepreneur, technologist, and product visionary. Over the decades, Goutham has created innovative products and technologies that have positively impacted tens of millions of lives worldwide. He is the Co-founder of Wisq, a startup that is reimagining the future of leadership development through AI.

Prior to Wisq, He Co-Founded Glint, which became the global leader in Employee Engagement Software, and was acquired by LinkedIn for over \$500 million. Under Goutham's leadership, Glint became a pioneering innovator in HR-tech and won many awards, including Glassdoor's Best Places to Work. Today, in a testament to the impact and durability of his work, Glint continues to be used by thousands of

organizations to help improve engagement, satisfaction, and performance at work.

Earlier, He founded AI/ML consultancy Rock Paper Labs, and helped pioneer algorithmic ad-tech at Turn (acquired by Amobee), and e-discovery at Kazeon (acquired by EMC) among others. He has made significant innovations and contributions across various fields, including HR-tech, the future of work, people science, ad-tech, robotics, and machine learning / AI.

The Distinguished Alumnus Award for the year 2024 in the category of Entrepreneurship is awarded to Goutham Kurra, in recognition of his outstanding contributions to the field of Entrepreneurship. Through his achievements, Goutham Kurra has brought glory and laurels to his Alma Mater – BITS Pilani.

### FOR HIS SIGNIFICANT CONTRIBUTIONS IN CORPORATE LEADERSHIP AND ENTREPRENEURSHIP

#### Mr. Sanjay Nath



Sanjay Nath obtained his BE in Information Technology in 1994 from BITS Pilani, and subsequently an MBA from the UCLA Anderson School of Management in 1999.

Currently, he is the Co-founder and Managing Partner of Blume Ventures.

Sanjay has been instrumental in elevating Blume to become one of the leading Venture Capital funds in India. Under his leadership, Blume

## DISTINGUISHED ALUMNUS AWARD 2024

Ventures has invested in several high-profile startups, such as Grey Orange, Locus, Pixxel, Exotel, Sprinto and Lambdatest, among others, establishing itself as a powerhouse in India's venture capital landscape.

Sanjay's entrée into venture capital began with his involvement with the Mumbai Angels network, where he was an early angel in Inmobi and Tonbo Imaging amongst other innovative startups. His extensive experience spans a management consulting career across PwC and IBM Global Services and product marketing at Sun Microsystems, all based in Silicon Valley.

Beyond his corporate endeavors, Sanjay is deeply committed to fostering entrepreneurship in India. He has actively contributed to various forums and panels, advocating for the growth of India's startup ecosystem. As a former Charter Member of TiE and a board member of the Draper Venture Network (DVN), Sanjay's influence extends across global venture firms. Sanjay's dedication to creating jobs, knowledge, and wealth is matched only by his passion for nurturing entrepreneurship. His decision to focus on the Indo-US venture corridor underscores his commitment to making India a top hub for both venture investing and entrepreneurship.

The Distinguished Alumnus Award for the year 2024 in the category of Corporate Leadership and Entrepreneurship is awarded to Sanjay Nath, in recognition of his outstanding contributions to the field of Entrepreneurship. Through his achievements, Sanjay Nath has brought glory and laurels to his Alma Mater – BITS Pilani.

## FOR HIS SIGNIFICANT CONTRIBUTIONS IN CORPORATE LEADERSHIP

### Mr. Shishir Joshipura



Shishir Joshipura obtained his Bachelors in Mechanical Engineering from BITS Pilani in 1983. He is presently the CEO & MD of Praj Industries. Praj is an India headquartered global

leader in Industrial Biotech, providing sustainable solutions for Energy Transition and Climate Action. Shishir was recognized as one of India's top 100 CEOs by prominent business publications, acknowledging his stellar contributions to industrial growth. He is acclaimed as a catalyst in facilitating sustainable climate action for decarbonizing the transportation sector globally.

Over the last decade, Praj has consolidated its position as a global leader in industrial biotech with path-breaking sustainable solutions in Biofuels and Bio-Chemicals. Under his guidance, Praj's market capitalization has surged sixfold, with profits and revenues seeing a tenfold and fourfold increase, respectively since 2018. One of Praj's groundbreaking achievements under his stewardship, includes the successful voyage of India's first commercial passenger flight using an indigenously produced Sustainable Aviation Fuel (SAF) blend in May 2023.

Previously as CEO of SKF India, he was instrumental in the establishment of a global technology center, underscoring his passion for innovation. Earlier, in his capacity as the Global

## DISTINGUISHED ALUMNUS AWARD 2024

Business Head at Thermax, he ensured a successful foray of cooling and heating business in international markets. Shishir has also served as an Independent Director at SBI Mutual Fund and Thermax Sustainable Energy Services.

Beyond corporate achievements, Shishir is a much sought-after thought leader and speaker at various national and international forums. Shishir is currently the Co-Chair of the CII National Committee on Bioenergy (including Ethanol) and the CII LAC Council for the year 2024-25. Shishir has served as Chairperson of CII Pune Zone 2015-16 and Director and Chairman on the board of the Process Plant and Machinery Association of India (PPMAI) in 2007-2009.

The Distinguished Alumnus Award for the year 2024 in the category of Corporate Leadership is awarded to Shishir Joshipura in recognition of his outstanding contributions to the field of Industrial biotechnology and manufacturing industry. Through his achievements, Shishir Joshipura has brought glory and laurels to his Alma Mater – BITS Pilani.

### FOR HIS SIGNIFICANT CONTRIBUTIONS IN ACADEMIA AND RESEARCH

#### *Prof. Venkataramanan Raman*



Prof. Venkataramanan Raman obtained his Bachelor of Pharmacy from Madras Medical College, University of Madras in 1972, a Master's in Biopharmaceutics and Pharmacokinetics from BITS Pilani in 1974, and a

Ph.D. from the University of British Columbia, Vancouver in 1979.

He is a distinguished academician and researcher in Pharmaceutical Sciences and Pathology, and currently a Distinguished Service Professor at the University of Pittsburgh. At the University of Pittsburgh, he directs the Clinical Pharmacokinetics Laboratory and serves as the Associate Director of Therapeutic Drug Monitoring and Toxicology. He is also a member of the Thomas E. Starzl Transplant Institute, the Magee Women's Research Institute, McGowen Institute for Regenerative Medicine, and a Professor at the University of Hilman Cancer Center and the Department of Pharmacy and Therapeutics.

Dr. Venkataramanan's research primarily focuses on personalizing drug therapy in transplant patients, assessing the functional capacity of the transplanted organs, such as small bowel, liver and kidney in transplant patients, evaluating herb-drug interactions, and optimizing drug therapy in pregnant women with a thorough understanding of the pharmacokinetics and pharmacodynamics. He has played an instrumental role in the development of tacrolimus (FK506), an immunosuppressive drug that is currently used in > 90% of all the transplant patients in the world. His prolific research output includes 450 research publications and 18,629 citations, with an h-index of 65.

His contributions have earned him numerous prestigious awards, such as the University of Pittsburgh Distinguished Service Professor, University of Provost's Award for Excellence in

## DISTINGUISHED ALUMNUS AWARD 2024

Mentoring, Rho chi award for teaching excellence, Rho Chi award for research excellence, Distinguished Investigator award from ACCP, the ACCP-BMS Award for Mentoring in Clinical Pharmacology, and the APhA Tyler Award for Stimulation of Research. Dr. Venkataramanan also serves as the Editor of the American Journal of Analytical Chemistry and as an editorial board member for Therapeutic Drug Monitoring. His extensive research and leadership continue to make significant impacts in the fields of pharmacokinetics and therapeutic drug monitoring.

The Distinguished Alumnus Award for the year 2024 in the category of Academia and Research is awarded to Prof. Venkataramanan Raman, in recognition of his outstanding contributions to the field of pharmaceutical sciences. Through his achievements, Prof. Venkataramanan Raman has brought glory and laurels to his Alma Mater – BITS Pilani.

### FOR HIS SIGNIFICANT CONTRIBUTIONS IN ENTREPRENEURSHIP AND PHILANTHROPY

#### *Dr. Anil Gupta*



Dr. Anil Gupta obtained his Bachelors in Electrical and Electronics Engineering in 1983 from BITS Pilani and he was awarded an honorary Ph.D. by American East Coast University. He is the Founder of Microtek, Okaya and Okaya EV and Author of 3 books, namely (i). Mine the millionaire in you, (ii). The time creation

factory, and (iii). Man on mission.

His organizations have done pioneering work in the fields of UPS, Inverters, Batteries, EV Charging stations, Electric Vehicle and Energy storage systems.

Microtek is number one inverter company of India, selling over 2.5 lakh inverters every month, while Okaya is number four battery company, selling over 1.5 lakh batteries every month. In addition, Okaya has the largest installation base of EV charging stations in India. Okaya EV makes electric two wheelers, electric bikes and electric three wheelers and its components including motors. Microtek and Okaya are creating extraordinary opportunities and making a difference to the lives of 13 crore happy customers across 4,60,000 villages, towns and cities in 42 countries and 5 continents with 3000 plus employees, 43000 dealers and distributors.

Besides this, Dr. Anil Gupta is also working in the areas of software consulting, real estate housing and commercial spaces business. His CSR initiatives are “Power for Poor” and “Pyase ko Paani”, “Education to fatherless children” and “Health for all”.

The Distinguished Alumnus Award for the year 2024 in the category of Entrepreneurship and Philanthropy is awarded to Dr. Anil Gupta, in recognition of his outstanding contributions to diverse business ventures and impactful social initiatives. Through his achievements, Dr. Anil Gupta has brought glory and laurels to his Alma Mater – BITS Pilani.

## DISTINGUISHED ALUMNUS AWARD 2024

### FOR HIS SIGNIFICANT CONTRIBUTIONS IN CORPORATE LEADERSHIP

#### *Mr. Gunender Kapur*



Gunender Kapur obtained his Bachelors in Mechanical Engineering from BITS Pilani in 1981, and subsequently, an MBA from the Faculty of Management Studies, University of Delhi

in 1983. He is currently serving as an Investor CEO at Vishal Mega Mart.

He is a Corporate Leader with a distinguished career spanning over four decades, which he commenced as a Management Trainee at Hindustan Unilever Ltd. (HUL). His trajectory at HUL saw him ascend to pivotal roles, including Marketing Manager and General Manager, before becoming the youngest Manager appointed to the HUL board.

In 2004, He assumed the role of Executive Chairman and CEO at Unilever Nigeria, followed by a tenure as President and CEO at Reliance Retail, where he was part of the startup team. Notably, in 2011, Kapur undertook the role of Investor CEO at Vishal Mega Mart, acquired by TPG Capital during a corporate debt restructuring process. As the CEO for over 12 years, Kapur's vision and execution have been instrumental in orchestrating Vishal Mega Mart's remarkable

turnaround, solidifying his status as a titan in corporate India. Under Kapur's stewardship, Vishal Mega Mart underwent a remarkable transformation, evolving into a fast-growing,

profitable enterprise with revenues exceeding a billion dollars. His strategic leadership resulted in the company's recognition for its significant employment contributions, particularly to differently-abled individuals.

Kapur's achievements have garnered widespread acclaim, with case studies featured in renowned business publications like Forbes and Business World, as well as in books authored by management experts, such as Ram Charan and Anish Batlaw.

The Distinguished Alumnus Award for the year 2024 in the category of Corporate Leadership is awarded to Gunender Kapur, in recognition of his outstanding contributions to the field of Indian retail and FMCG industry. Through his achievements, Gunender Kapur has brought glory and laurels to his Alma Mater – BITS Pilani.

### FOR HIS SIGNIFICANT CONTRIBUTIONS IN ENTREPRENEURSHIP

#### *Mr. Sanjeev Tirath*



Sanjeev Tirath obtained his Bachelor of Engineering in Electrical and Electronics from BITS Pilani in 1983. Sanjeev Tirath is a visionary entrepreneur and business leader, currently serving as

the Founder and CEO of Pyramid Consulting, Inc.

At Pyramid Consulting, Sanjeev has steered the company to global recognition, renowned for providing top-tier talent, cutting-edge technology solutions, and comprehensive training services.

## DISTINGUISHED ALUMNUS AWARD 2024

His visionary approach has propelled Pyramid Consulting to trailblazer status, consistently delivering unparalleled value to clients while prioritizing the satisfaction and growth of consultants and employees.

Sanjeev Tirath's leadership philosophy is centered around a commitment to customer satisfaction, employee empowerment, and operational excellence. Throughout his career, he has proven himself as a dynamic leader, driving growth, fostering innovation, and creating lasting impact in the industry.

He believes his 5 years at BITS, Pilani, the innovative approach to education, and the network he built there enabled him to get a big vision and propelled him towards entrepreneurship.

The Distinguished Alumnus Award for the year 2024 in the category of Entrepreneurship is awarded to Sanjeev Tirath, in recognition of his outstanding contributions to the field of Entrepreneurship. Through his achievements, Sanjeev Tirath has brought glory and laurels to his Alma Mater – BITS Pilani.

### FOR HIS SIGNIFICANT CONTRIBUTIONS IN ENTREPRENEURSHIP

#### Mr. Vinod Saraf



Vinod Saraf, obtained his Master of Management Studies degree from BITS Pilani in 1971. He is currently the Chairman of Vinati Organics Ltd.

He was a Gold Medalist from Rajasthan University, which got him a scholarship to do MBA from BITS Pilani where again he graduated with a Gold Medal.

Vinod embarked on his entrepreneurial journey in 1989 by founding Vinati Organics Limited, focusing on the production of isobutyl benzene, a crucial ingredient for manufacturing Ibuprofen. Under his visionary leadership, Vinati Organics has grown to become the world's largest producer of isobutyl benzene, showcasing his innovative approach and commitment to excellence.

Vinod Saraf's extensive experience, spanning over 40 years in the chemical industry, has been instrumental in shaping the company's success. Today, Vinati Organics, with a market capitalization over USD 2 billion, stands as a testament to Vinod Saraf's entrepreneurial acumen and dedication.

Before establishing Vinati Organics, he was associated with prestigious organizations, such as the Bhilwara Group, Modern Syntex (I) Ltd., and Grasim Industries. He also served as the Managing Director of Mangalore Refinery & Petrochemicals Ltd. (MRPL), further solidifying his reputation as a leader in the industry.

His contributions have been widely recognized, earning him the 2019 HURUN India Self-made Entrepreneur of the Year award and ICC Lifetime Contribution in Chemicals award. His journey from a seasoned industry professional to a trailblazing entrepreneur serves as an inspiration, demonstrating the impact of visionary leadership and the relentless pursuit of excellence in

## DISTINGUISHED ALUMNUS AWARD 2024

transforming industries and creating lasting legacies.

The Distinguished Alumnus Award for the year 2024 in the category of Entrepreneurship is awarded to Vinod Saraf, in recognition of his outstanding contributions to the field of Indian specialty chemical sector. Through his achievements, Vinod Saraf has brought glory and laurels to his Alma Mater – BITS Pilani.

### FOR HIS SIGNIFICANT CONTRIBUTIONS IN ACADEMIA AND RESEARCH

#### *Prof. Sudhir Kumar*



Prof. Sudhir Kumar obtained his Bachelor of Engineering in Electrical and Electronics Engineering and Master of Science in Biology from the Birla Institute of Technology

and Sciences, Pilani, in 1990. He earned his Ph.D. in Genetics from Pennsylvania State University in 1996. He holds the prestigious position of Laura H. Carnell Professor and is the Director of the Institute for Genomics and Evolutionary Medicine at Temple University.

Prof. Kumar is a distinguished academic and researcher in genetics, bioinformatics, molecular evolution, and genomic medicine.

He has been an early leader in exploring the theoretical and empirical intersection of evolutionary biology with computational biology and genomic medicine. His team has developed the MEGA software that enables researchers from diverse backgrounds to harness the

analytical power of modern computational biology. They have also assembled the largest timetree of life, encompassing over 140,000 species, bringing the understanding of evolution to a global audience through a user-friendly TimeTree website.

Highlights of his biological discoveries include the construction of the first molecular timescale of vertebrates, establishing a correlation between continental breakup and early speciation in placental mammals. He has championed the application of phylogenetics to medicine, demonstrating a direct relationship between disease mutations and molecular evolutionary constraints, paving the way for novel diagnostics. In molecular ecology, his collaborative work showed the impact of environmental nutrients on genomes and proteomes and connected island biogeography to metastatic tumor migrations.

His groundbreaking contributions in computational methods, resources, and biological discoveries have garnered over 290,000 citations, with one of his works listed among Thomson Reuters' top-100 most-cited papers of all time.

His accolades include being named a Highly Cited Researcher by Clarivate Web of Science, receiving the Innovation Award in Functional Genomics from the Burroughs Wellcome Fund, and being elected a Fellow of the American Association for the Advancement of Science. His prolific career is further highlighted by his role as Editor-in-Chief of Molecular Biology and Evolution from 2012 to 2022 and his election as



## DISTINGUISHED ALUMNUS AWARD 2024

President of the Society for Molecular Biology and Evolution in 2013.

The Distinguished Alumnus Award for the year 2024 in the category of Academia and Research is awarded to Prof. Sudhir Kumar in recognition of his outstanding contributions to the field of genetics and bioinformatics. Through his achievements, Prof. Sudhir Kumar has brought glory and laurels to his Alma Mater – BITS Pilani.

### FOR HIS SIGNIFICANT CONTRIBUTION TO BITS PILANI AND SOCIETY

#### **Mr. Sudeep Jain**



Sudeep Jain obtained his B.E. (Hons.) in Electrical and Electronics from the BITS Pilani in 1990. He is a 1994 batch Indian Administrative Service (IAS) officer, and currently

serves as the Additional Secretary in the Ministry of New & Renewable Energy (MNRE), Government of India. Throughout his career, he has held significant positions in the Tamil Nadu state administration, including Managing Director of Electronics Corporation of Tamil Nadu (ELCOT), CMD of Tamil Nadu Energy Development Agency (TEDA), MD of Tamil Nadu Minerals Ltd. Sudeep also served as the Senior Deputy Election Commissioner at the Election Commission of India.

Contribution to BITS and the Community

- Led a team to create a Guinness World Record in tree plantation in the draught affected Nagapattinam District in Dec 2002.

- In Jan 2005, he co-founded BITSunami - a Tsunami Rehabilitation Trust of BITS Pilani Alumni Association - that adopted two villages in Nagapattinam for a \$1m Integrated Rehabilitation Project. Bitsunami along with the District Administration re-wrote the previous Guinness World Record in tree plantation (surpassing it by three times) planting 2,54,464 trees in 24 hours in memory of the worldwide Tsunami victims.
- As District Collector of Dharmapuri in 2005, Sudeep was chosen to make a presentation on Good Governance to the Prime Minister of India.
- In 2008, Sudeep turned around Tamil Nadu Industrial Explosives Ltd surpassing its highest-ever productivity achieved 12 years back by 52%.

The Distinguished Services Award is awarded to Mr. Sudeep Jain in recognition of his outstanding contributions to BITS Pilani and society. Through his selfless service, Mr. Jain has positively impacted lives of millions of people across India and the BITSian community.

### FOR HIS SIGNIFICANT CONTRIBUTION TO BITS PILANI AND SOCIETY

#### **Dr. Satya Gupta**



Dr. Satya Gupta is a leading figure in VLSI Design and Semiconductor research. He completed his B.E. in Electrical and Electronics from BITS Pilani in 1983, M. Tech from IIT Delhi, and

## DISTINGUISHED ALUMNUS AWARD 2024

Ph.D. from Old Dominion University.

As President of the VLSI Society of India, he has championed VLSI education and spearheaded the creation of a B. Tech course in Electronic and VLSI Design. Co-founder of the EPIC Foundation, Dr. Gupta has driven initiatives like the "Milkyway" educational tablet and the R-R-R strategy influencing India's Right-to-Repair policy. He has founded five successful semiconductor startups, creating significant economic impact and employment.

Contribution to BITS and the Community

- Dr. Gupta helped in establishing the O-Lab for VLSI Design at BITS Pilani in collaboration with Broadcom in 2005.
- Dr. Gupta has significantly influenced the hiring of BITS graduates in his companies and startups, providing valuable industry exposure and employment opportunities.
- He has assisted the EEE Department at BITS Pilani with PS-II placements in the semiconductor industry, ensuring practical training for students.
- Through the EPIC Foundation, Dr. Gupta has donated educational tablets to support blind, deaf, and tribal children, and made a significant donation to ALFAA (Autistic Children), demonstrating his commitment to social causes.

The Distinguished Services Award is awarded to Dr. Satya Gupta in recognition of his outstanding contributions to BITS Pilani and society. Through his selfless service, Dr. Gupta has positively impacted lives of peoples across the BITSian community.

## FOR HIS SIGNIFICANT CONTRIBUTION TO NATION

**Lt. Gen. Arvind Walia**



Lt. Gen Arvind Walia obtained his B.E. (Hons) in Civil Engineering from BITS Pilani in 1987. He further holds advanced degrees from Madras University and Osmania University. He is

currently the Engineer-in-Chief of the Indian Army. Lt. Gen.

Walia has had a distinguished career marked by key staff appointments and diverse operational experiences, including in Jammu & Kashmir, Arunachal Pradesh, and a UN mission in Africa. His illustrious service record includes roles such as Brigade Major of a Mountain Brigade, Director in the Engineer-in-Chief's Branch, Brigadier Quartermaster in a Strike Corps, Chief Engineer of a Command, and Chief of Staff at a Command Headquarters, showcasing his exceptional leadership and dedication to the Corps of Engineers.

Contribution to the Nation

- Reports to the Army Chief and looks after the operational responsibility of the Indian Army as well as the infrastructure development responsibility of the Army, Navy, Air Force, and the Indian Coast Guard.
- Gen Walia has commanded an independent squadron in the desert sector, his Regiment in Jammu and Kashmir, and an Engineer Brigade along the Western front, besides commanding the MEG & Centre at Bangalore.

## DISTINGUISHED ALUMNUS AWARD 2024

- He has held prestigious staff appointments including Brigade Major of a Mountain Brigade, Director in the Engineer-in-Chief Branch at the Integrated Headquarters of MoD (Army), Brig Q in a Strike Corps, Chief Engineer of a Command and Chief of Staff at Command Headquarter.

The Distinguished Services Award is awarded to Lt. Gen. Arvind Walia in recognition of his outstanding contributions tonation. hroughhis selfless service, Lt. Gen. Walia has positively impacted lives of peoples across India.

### FOR HIS SIGNIFICANT CONTRIBUTION TO BITS PILANI AND SOCIETY

#### Mr. Sundi Natarajan



Sundi Natarajan obtained his B.E. (Hons) in Chemical Engineering from BITS Pilani in 1992. He is the Co-founder of Sparksoft Corporation and a key figure in the entrepreneurial

ecosystem for BITSian startups. With a notable tenure at TiE Washington DC, where he served in various leadership roles, including President and Board member and at TiE Global where he served as a Trustee on the Board, Sundi has made significant contributions to the startup community. Under his leadership, a robust volunteer network has been established, greatly benefiting BITSian entrepreneurs worldwide.

#### Contribution to BITS and the Community

- Sundi has been an active volunteer, organizer, and speaker at all BITS Global Meet (BGM)

editions of Delhi, Hyderabad, Dubai, Goa, and Jaipur. Helped with fundraising, organizing & leading teams, and working with speakers/panelists around content for the BGMs.

- He co-founded BITS Spark, a 100% volunteer organization for, by and of BITSians to help BITSian founders and entrepreneurs with mentoring, advise and angel investments. So far, hundreds of startups have benefited from the mentoring, advising and over 25 ector agnostic startup investments have been made, including Redbus, Grey Orange Robotics, Quizziz, Thinskter Learning, Exotel, Flam, Schmooze, Petmojo, Aasaan Will, Carbon Impact Capital to name a few.

- Active TiE Charter Member for over 19 years, building a robust and sustainable ecosystem o f partners, sponsors, and volunteers in creating ipact in the D.C., MD, VA area.

The Distinguished Services Award is awarded to Mr. Sundi Natarajan in recognition of his outstanding contibutions to BITS Pilani and society Though his selfless service, Mr. atarajan has positively impacted lives of peoples across the BITSian community.

### FOR HER SIGNIFICANT CONTRIBUTION TO BITS PILANI AND SOCIETY

#### Ms. Swati Bhatia



Swati Bhatia obtained her M.Sc. (Tech) in Finance from BITS Pilani in 1997. She is an accomplished executive with over 20 years of experience in

## DISTINGUISHED ALUMNUS AWARD 2024

global financial services and fintech, and currently leads Retail Banking and Transformation at Santander Bank, N.A. Known for her expertise in payments, credit cards, lending, and digital banking, Swati is a data-driven leader with extensive P&L management experience and a broad functional background spanning product development, marketing, customer experience, credit and fraud risk, and operations.

Her career is distinguished by her ability to combine technical depth with strategic agility, leveraging best-in-class technologies to drive business growth. Swati is also recognized for her high-performance leadership and commitment to mentoring and coaching, which elevates team performance and fosters a strong organizational culture.

### Contribution to BITS and the Community

Led her batch' Silver jubilee Reunion fundraising team, demonstrating strong leadership and organizational skills.

- Helped raise \$500K (Rs. 3.5 Cr.) in 2018-19, setting a record for alumni contributions.
- Actively fostered a strong BITSian alumni network, promoting community engagement and support.
- Provides mentorship and guidance to fellow alumni and current students, contributing to their professional growth and development.
- Enabled BITS Pilani to undertake multiple priority initiatives, enhancing the institution's capabilities and resources.

The Distinguished Services Award is awarded to Ms. Swati Bhatia in recognition of her outstanding contributions to BITS Pilani and society. Though

her selfless service, Ms. Bhatia has positively impacted lives of peoples across the BITSian community.

### FOR HER SIGNIFICANT CONTRIBUTION TO BITS PILANI AND SOCIETY

#### *Dr. Shilpa Sambashivan*






Dr. Shilpa Sambashivan obtained her M.Sc. (Hons.) in Biological Sciences from BITS Pilani in 2001, establishing a robust academic foundation for her career in scientific research

and leadership within the biotechnology sector. She is a distinguished figure in biotechnology, currently holding dual roles as Chief Technology Officer and Chief Scientific Officer at Nura Bio, where she is a founding member of the scientific team. With a strong background in neurobiology, Shilpa oversees Nura Bio's cutting-edge capabilities and directs research strategy and preclinical pipeline development. Prior to her pivotal roles at Nura Bio, Shilpa contributed significantly to drug discovery programs for neurodegenerative diseases at Amgen and NGM Biopharmaceuticals.




### Contribution to BITS and the Community

- Led her batch' silver jubilee reunion fundraising team, demonstrating strong leadership and organizational skills.
- Helped raise \$800K (Rs. 6 Cr.) in 2023-24, the highest ever in batch fundraising.
- Helped set up the first bio-incubator at Pilani campus.





## YOUNG ACHIEVERS AWARD- 2024

Sr. No.	Name	
1	Gaurav Chaudhary Indian Youtuber	
2	Aravindhan P. Zonal Director, Narcotics Control Bureau	
3	Vikas Ramachandra Co-Founder, Onward Assist	

## YOUNG ACHIEVERS AWARD- 2024

Sr. No.	Name	
4	Founding team of Pixis Shubham A. Mishra	
	Vrushali Prasade	
	Hari Valiyath	

## YOUNG ACHIEVERS AWARD- 2024

Sr. No.	Name	
4	Founding Team of Thinkerbell Labs Private Limited Sanskriti Dawle	
	Aman Srivastava	
	Dilip Ramesh	
	Saif Shaikh	

## **BITS PILANI, K K BIRLA GOA CAMPUS BEST PHD THESIS AWARDS – 2024**



**Dr. Zantye Pranjita Ganesh**

**Department: Biological Sciences**

Thesis title: *"Design of Octaarginine Functionalized Hydroxyapatite Nano-delivery System for Efficient and Sustained Delivery of siRNA in Embryonic Stem Cells"*

Supervisors: Prof. Meenal Kowshik, Prof. Sutapa Roy Ramanan & Prof. Indrani Talukdar



**Dr. Chandresh Kumar Dwivedi**

**Department: Chemical Engineering**

Thesis title: *"Synthesis, Characterization and Performance Evaluation of Carbon-Silica Dual Phase Filler as a Reinforcing Material in Tire Rubber Compounds"*

Supervisors: Prof. Sampatrao D. Manjare & Prof. Sushil K. Rajan



**Dr. Debika Gogoi**

**Department: Chemistry**

Thesis title: *"Development of Cu / Cu<sub>2</sub>O / CoFe<sub>2</sub>O<sub>4</sub> Nanoparticles Decorated Carbon-based Nanocomposites: Applications in Catalysis and Flexible Supercapacitor Devices"*

Supervisor: Prof. Narendra Nath Ghosh



**Dr. Hemant Rathore**

**Department: Computer Science**

Thesis title: *"Design of Adversarially Robust Android Malware Detection Models"*

Supervisor: Prof. Sanjay K. Sahay



**BITS PILANI, K K BIRLA GOA CAMPUS  
BEST PHD THESIS AWARDS – 2024**



**Dr. Sudhir P.R.**

**Department: Economics and Finance**

Thesis title: *"Assessment of Operational Risk in Non-Financial and Financial Firms"*

Supervisor: Prof. Debasis Patnaik



**Dr. Rahul Bajpai**

**Department: Electrical and Electronics Engineering**

Thesis title: *"NOMA Aided Full-duplex Cooperative D2D Communications for Beyond 5G Cellular Systems"*

Supervisor: Prof. Naveen Gupta



**Dr. Sandhya Basu**

**Department: Humanities and Social Sciences**

Thesis title: *"Effect of Visual Brainwave Entrainment on Cognition of Children with and without Attention-Deficit/Hyperactivity Disorder"*

Supervisors: Prof. Bidisha Banerjee & Prof. Pinit Parmananda



**Dr. Pabitra Kumar Pradhan**

**Department: Mathematics**

Thesis title: *"Lie Group of Transformations, Optimal Systems and Exact Solutions of Certain Hyperbolic Systems of Partial Differential Equations"*

Supervisor: Prof. Manoj Kumar Pandey

## BITS PILANI, K K BIRLA GOA CAMPUS BEST PHD THESIS AWARDS – 2024



**Dr. Gangipamula Rajavamsi**

**Department: Mechanical Engineering**

Thesis title: *"Experimental and Computational Investigations on Hydroacoustic Characteristics of Centrifugal Pumps"*

Supervisors: Prof. Pritanshu Ranjan & Prof. Ranjit S. Patil



**Dr. Aditya Sharma**

**Department: Physics**

Thesis title: *"Classical and Quantum Studies on Non Lorentzian Field Theories"*

Supervisor: Prof. Kinjal Banerjee

## PROF SUMAN KAPUR MEMORIAL BEST PH.D. THESIS AWARD - 2024

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

The award has been constituted by Mr. Sushil Kabra and Mr. Suresh Kabra, brothers of the Late Prof. Suman Kapur, Senior Professor at BITS Pilani, to recognize outstanding research and motivate others to pursue excellence in Biological Sciences or related fields.



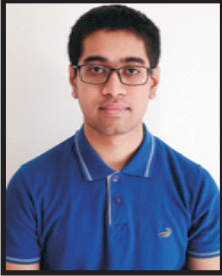


**Dr. Karle Suhas Balasaheb**

**Department: Biological Sciences**

Thesis title: *Investigating the Role of OsTIP1;2 in Oryza sativa L. in Response to Arsenite Stress*

Supervisor: Prof. Kundan Kumar

**LIST OF STUDENTS WHO ARE AWARDED MEDALS**

<b>Sl. No</b>	<b>Name and ID No.</b>	<b>Photograph</b>	<b>CGPA obtained</b>	<b>Position obtained</b>	<b>Type of Medal to be awarded</b>
1	DIXIT DWIJ NITIN 2020A7TS2129G		9.90	FIRST	GOLD
2	RIJUL RADHU 2020A7PS1430G		9.87	SECOND	SILVER
3	SUSHIL NAYAK 2020AAPS0239G		9.81	THIRD	BRONZE

**GRADUATION DATA (94<sup>th</sup> and 95<sup>th</sup> AWARD)**  
**BITS Pilani, K K Birla Goa Campus**  
**CONVOCATION 2024**

S. No.	Programmes	B.E./B.Pharm.	M.Sc.	H.D	Ph.D.	Total
<b>First degrees</b>						
1.	Chemical Engineering	76	-	-	-	76
2.	Electrical & Electronics Engineering	126	-	-	-	126
3.	Electronics & Instrumentation	115	-	-	-	115
4.	Electronics & Communication	120	-	-	-	120
5.	Mechanical Engineering	147	-	-	-	147
6.	Computer Science	262	-	-	-	262
7.	Biological Sciences	-	49	-	-	49
8.	Chemistry	-	53	-	-	53
9.	Economics	-	70	-	-	70
10.	Mathematics	-	61	-	-	61
11.	Physics	-	60	-	-	60
<b>Higher degrees</b>						
1.	M.E. Biotechnology	-	-	4	-	4
2.	M.E. Chemical	-	-	1	-	1
3.	M.E. Embedded Systems	-	-	21	-	21
4.	M.E. Computer Science	-	-	53	-	53
5.	M.E. Microelectronics	-	-	38	-	38
6.	M.E. Design Engineering	-	-	6	-	6
7.	M.E.(Mechanical Engineering)	-	-	13	-	13
8.	M.E. (Sanitation Science, Technology and Management)	-	-	2	-	2
Ph.D		-	-	-	66	66
Total		846	293	138	66	1343

**94<sup>th</sup> and 95<sup>th</sup> AWARD CONVOCATION - 2024**  
**21 July, 2024**  
**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	2013PHXF0010G	KADAM BHUSHAN VINAYAK
2	2013PHXF0101G	MALATI DESSAI
3	2013PHXF0104G	SANDRA MARIA FERNANDES
4	2013PHXF0504G	HENRIQUES MAVIS LILIAN
5	2014PHXF0006G	SUDHIR P R
6	2014PHXF0009G	GAUDE AJAY RAMCHANDRA
7	2014PHXF0409G	KHANOLKAR SHAILESH VIJAY
8	2015PHXF0009G	M.MESQUITA J.L.LOUELLA
9	2015PHXF0016G	MAYUR JARTARKAR
10	2015PHXF0024G	ARUNS. NAIR
11	2015PHXF0404G	AKANKSHA GAVENDRA
12	2016PHXF0003G	ZANTYE PRANJITA GANESH
13	2016PHXF0010G	VERMA DEVIKA AJAY
14	2016PHXF0017G	TANNA SHILPA SHIRISHKUMAR
15	2016PHXF0301G	GREGORY A. ANDERSON
16	2016PHXF0423G	VIVEK CHANDRAN K P
17	2017PHXF0003G	BANDANA
18	2017PHXF0005G	CHANDRASHEKHAR CHAUHAN
19	2017PHXF0010G	BOTCHWAY KING DAVID KWEKU
20	2017PHXF0011G	NAIK VIRAJ GANPAT
21	2017PHXF0013G	POZHIL.S.N
22	2017PHXF0018G	SWETHA RAMESH
23	2017PHXF0019G	ISHITA
24	2017PHXF0022G	SAUMYEN KUNDU
25	2017PHXF0026G	AMAL S SIJU
26	2017PHXF0405G	PATIL PRAJAKTA PRATAP
27	2017PHXF0411G	CHANDRESH KUMAR DWIVEDI
28	2017PHXF0416G	NEHA SARAN
29	2017PHXF0418G	ANBUMUNEE P
30	2017PHXF0422G	DESHPANDE SHREYAS SURESHRAO
31	2017PHXF0423G	ABHIJIT DEY
32	2017PHXF0430G	NEETHU PRAKASHAN
33	2017PHXF0431G	HAJARA ABDUL HAMEED
34	2017PHXF0437G	MANOJ KUMAR HILALPURE
35	2017PHXF0443G	SUMIT KUMAR
36	2017PHXF0444G	PAYEL SARKAR
37	2018PHXF0002G	NAVODIPA BHATTACHARYA
38	2018PHXF0003G	KARLE SUHAS BALASAHEB
39	2018PHXF0006G	NEELA GAYATHRI G
40	2018PHXF0010G	HONEY SRIVASTAVA
41	2018PHXF0015G	NAIK SANKALP PURUSHOTTAM
42	2018PHXF0019G	RAVISHANKAR PRAKASH DESAI

43	2018PHXF0022G	SANDHYA BASU
44	2018PHXF0025G	MONALISA ANAND
45	2018PHXF0026G	P JITENDRA KUMAR SENAPATI
46	2018PHXF0028G	GAYATRI MAHARANA
47	2018PHXF0033G	SOURAV KESHAREE SAHOO
48	2018PHXF0041G	GUPTA SMITA PANCHAM
49	2018PHXF0401G	RENJITH RAJ
50	2018PHXF0403G	SWATI VARUN YADAV
51	2018PHXF0404G	AFROZ FATIMA
52	2018PHXF0405G	ANJLI VARGHESE
53	2018PHXF0406G	APARNA A P
54	2018PHXF0407G	SUJIT KUMAR PRADHAN
55	2018PHXF0414G	KESHAV KAUSHIK
56	2018PHXF0417G	NIVEDITA KOLVEKAR
57	2018PHXF0419G	RAJASHREE YARAGAL R
58	2018PHXF0431G	ADITI PRABHUNE
59	2018PHXF0435G	ASHISH KRISHNA
60	2019PHXF0003G	RAHUL BAJPAI
61	2019PHXF0018G	BHOSLE AKHIL ADINATH
62	2019PHXF0033G	NARESH KUMAR PATRA
63	2019PHXF0041G	RAVI RAJ B M
64	2019PHXF0048G	SIDDHARTH DHURVA PARASHAR
65	2019PHXF0054G	SWAPNA SASI
66	2019PHXF0062G	AMRITA CHASKAR

## HIGHER DEGREE PROGRAMMES

### M.E.(Biotechnology)

67	2022H1290004G	KHAIRNAR MANJIRI RAMESH
68	2022K1290001G	BHARTI PRATIKSHA PRASAD JYOTI
69	2022K1290002G	MURCHANA SARMAH
70	2022K1290003G	GHOSH ABHISEK SUDHIR DAIBAKI

### M.E.(Chemical)

71	2021PH010100G	YOGESH ZABBU JADHAV
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### M.E.(Embedded Systems)

72	2022K1400067G	GAURAV SINGH
73	2022K1400068G	SALINI SV
74	2022K1400069G	KOMMERA TEJITH REDDY
75	2022K1400070G	NIVEDITA ACHARYYA
76	2022K1400071G	SARTHAK SRIVASTAVA
77	2022K1400072G	ASHISH SINHA
78	2022K1400073G	AMBUJ SRIVASTAVA
79	2022K1400074G	SHREYA SHRIVASTAVA
80	2022K1400075G	YASH DEV VASHISHT
81	2022K1400076G	PRATIK KUMAR
82	2022K1400077G	THAKUR SUDHANSHUSHEKHAR SHAILE
83	2022K1400079G	SAYANTAN SARKAR
84	2022K1400080G	ADITYA CHAUHAN
85	2022K1400081G	PIYUSH DUBEY
86	2022K1400082G	AINDRILA CHATTERJEE

87	2022K1400083G	KALUVA SAI PRANEETH REDDY
88	2022K1400084G	AHIRE DHIRAJ MANSARAM
89	2022K1400085G	ABHISHEK MAURYA
90	2022K1400086G	LAGAD PRERANA SAMBHAJI
91	2022K1400087G	NAMAN
92	2022K1400088G	VIBHOR PRABHAKAR

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

93	2022K1030005G	SAWAIKER SHUBHAM RAJARAM
94	2022K1030006G	DIVAS PATHAK
95	2022K1030007G	TELANAKULA VENKATA SAI ROHITH
96	2022K1030009G	PULKIT GOEL
97	2022K1030010G	TALATHI ARYA VIVEK
98	2022K1030011G	CHIRAG CHOUDHARY
99	2022K1030012G	PATWA JEHAN VISPI
100	2022K1030013G	DAMLE AMEY PRADIP
101	2022K1030014G	GAURAV KUMERIYA
102	2022K1030015G	SHLOK JAISWAL
103	2022K1030016G	NAMAN PANDEY
104	2022K1030017G	RAJDEEP DAS
105	2022K1030018G	SREENATH T M
106	2022K1030019G	VARUN MANOHAR KHACHANE
107	2022K1030020G	SAKSHI SINGH TANWAR
108	2022K1030021G	MAHIMA YADAV
109	2022K1030022G	ANANYA KUMARI
110	2022K1030023G	SHAH ARPAN PRINKESHBHAI
111	2022K1030024G	ADITYA JAIN
112	2022K1030025G	SAGAR KAPKOTI
113	2022K1030026G	MADHU M PANDURANGI
114	2022K1030027G	BHARGAV NAGARAJ B
115	2022K1030028G	VAIBHAV AGRAWAL
116	2022K1030029G	MODALA PRATHYUSHA
117	2022K1030030G	TUSHAR KUMAR BARMAN
118	2022K1030031G	NARALA HARI VAMSI KRISHNA
119	2022K1030032G	CHITRESH GOEL
120	2022K1030033G	ADITYA SHRIVASTAVA
121	2022K1030034G	DHIRAJ RAJESH SHARMA
122	2022K1030035G	TARUN RAJ PUROHIT
123	2022K1030036G	SAHERWALA HUSSAIN SEFUDIN
124	2022K1030037G	DHANWATE ATHARVA RAKESH ANITA
125	2022K1030038G	MANISH
126	2022K1030039G	ADIT SAXENA
127	2022K1030040G	TUSHAR JANGHEL
128	2022K1030041G	SHAH DHWANISH KEYURBHAI
129	2022K1030042G	ADWITIYA MISHRA
130	2022K1030043G	JOSYULA RAVI TEJA
131	2022K1030044G	ADITYA AMIT BHATTACHARJEE
132	2022K1030045G	VAISHNAVI RAMANUJAPURAM
133	2022K1030046G	PALYEKAR RIYA SANJAY
134	2022K1030047G	DEEPAK SONI
135	2022K1030048G	AKSHATA ANIL KULKARNI

136	2022K1030049G	VAIBHAV KOSHTI
137	2022K1030050G	SHUBHAM KUMAR
138	2022K1030051G	ANKIT AGGARWAL
139	2022K1030052G	PATHAK SHUBHAM NAVINCHANDRA ME
140	2022K1030053G	AARUSHI SONI
141	2022K1030054G	SANDHYA SINGH
142	2022K1030055G	JALAJ KHARE
143	2022K1030056G	MAYURESH SUHAS WANI
144	2022K1030144G	SANJEEV KUMAR
145	2022K1030145G	TARUN SINGH

**M.E.(Microelectronics)**

146	2022K1230101G	GEDELA PAVAN KALYAN
147	2022K1230102G	PAPPU RITESH
148	2022K1230103G	AAKANKSHA JHA
149	2022K1230104G	ANIMESH PANDEY
150	2022K1230105G	BANGAR GAURAV LAXMINARAYAN
151	2022K1230106G	ABHINAV DIXIT
152	2022K1230107G	KUNCHAM JAYAKRISHNA SAI
153	2022K1230108G	PRANAV SINGH
154	2022K1230109G	PRAVESH KUMAR
155	2022K1230110G	KRITI YADAV
156	2022K1230111G	VENIGANDLA SAI TEJA
157	2022K1230113G	ELE ABHINAV
158	2022K1230114G	SIKARWAR RISHABH MANOJSINGH
159	2022K1230115G	ABHISHEK KUMAR TIWARI
160	2022K1230116G	SOUMYARANJAN PADIHARI
161	2022K1230117G	ANJAN SAHA
162	2022K1230118G	J BHAVANA
163	2022K1230119G	AKASH VERMA
164	2022K1230120G	CHIRANTAN PAUL
165	2022K1230122G	GYAN PRASAD SAHOO
166	2022K1230123G	RAVI CHANDAK
167	2022K1230124G	PANYAM HEMANTH KUMAR
168	2022K1230125G	HIMAN VARMA KALIDINDI
169	2022K1230126G	SOMENDRANATH MAHENDRANATH USGA
170	2022K1230127G	ASHUTOSH CHANDRA CHAUBEY
171	2022K1230128G	CH CHANIKYA
172	2022K1230129G	RITANKAR GHOSH
173	2022K1230130G	SHASHWATA MUKHERJEE
174	2022K1230131G	KULKARNI ANOOP KUMAR
175	2022K1230132G	PRAJJWAL SONI
176	2022K1230133G	VIDHYA B
177	2022K1230134G	DESHPANDE PRANAV VINAY
178	2022K1230135G	RAJASHEKAR N
179	2022K1230136G	DISHA D
180	2022K1230137G	TAGALAPPELLY SAIPREETHAM
181	2022K1230138G	ADITI VYAS
182	2022K1230139G	YATHARTH ANAND
183	2022K1230140G	KOLLA JYOTHSNA



**M.E.(Design Engineering)**

184	2022K1410057G	SUTHAR HITARTH DEEPAKKUMAR
185	2022K1410058G	REEYA KUMARI SHARMA
186	2022K1410059G	SAURABH MALVI
187	2022K1410060G	KAUSTAV BHATTACHARJEE
188	2022K1410063G	SUDHIR KUMAR PANDAVA
189	2022K1410066G	MOHIRE SHARDUL MILIND

**M.E.(Mechanical Engineering)**

190	2022H1060143G	AAYUSH GARG
191	2022K1060089G	BALESHPRASAD BASAVARAJ AIDUDDI
192	2022K1060090G	AFIFAH ZAYNAB M
193	2022K1060091G	SAROJ CHANDRA BISWAL
194	2022K1060092G	ELDRIN C WILSON
195	2022K1060093G	ARUN BHASKAR KARANAYIL ANIL
196	2022K1060094G	DHURAIVEL R
197	2022K1060095G	ALFRED JOHNSON
198	2022K1060096G	BAJI ATHARVA SHRIKRISHNA
199	2022K1060097G	PRAKHAR SHARMA
200	2022K1060098G	ABHIROOP RAUTH
201	2022K1060099G	JATIN GARG
202	2022K1060100G	KRISTAM VAMSI KRISHNA

**M.E. (Sanitation Science, Technology and Management)**

203	2022H1510141G	ANUJ THAPLIYAL
204	2022H1510142G	KATPALLIWAR MEENAL RAJENDRA

**FIRST DEGREE PROGRAMMES****B.E. (Chemical)**

205	2019A1TS1128G	DHRUV KANSAL
206	2019B1A10129G	SWARNIM KISHOR BARAPATRE
207	2019B1A10886G	TARUN VARGHESE MATHEW
208	2019B1A10910G	ADITYA AMIYA PANDA
209	2019B1A11081G	DEEPAK SADHWANI
210	2019B2A10746G	OHRI NIKHIL RAJESH
211	2019B2A10927G	VALLURI SAI YESHWANTH REDDY
212	2019B2A10930G	PRANAV UPADHYAY
213	2019B2A10948G	SHUJA JAMEEL SIDDIQUI
214	2019B2A10973G	YASH SAINI
215	2019B2A11052G	VIDUSHI BANSAL
216	2019B2A11056G	RISHABH SINGH
217	2019B2A11078G	SHAIKH ZAINAH RAHEMAN
218	2019B2A11097G	RONIT CHANDNANI
219	2019B2A11114G	ARYA JAISWAL
220	2019B3A10092G	DHRUV BHARGAVA
221	2019B3A11103G	DILSHER SINGH MINHAS
222	2019B4A10791G	RICHA GUPTA
223	2020A1PS0645G	MEDHA HEBBAR
224	2020A1PS0792G	WARUNE SHAUNAK SALIL
225	2020A1PS0822G	KARODE PRAKHAR VISHAL

226	2020A1PS0836G	TANMAY YADAV
227	2020A1PS1182G	PANGARKAR VIRAJ SUJEET
228	2020A1PS1185G	HARSH RANJAN
229	2020A1PS1318G	NIKHIL RAJENDRA SHAH
230	2020A1PS1322G	VARUN S MOHAN
231	2020A1PS1331G	KAVYA
232	2020A1PS1572G	CHINMAY MURAGESH SABANE
233	2020A1PS1578G	VISHWAJEET SINGH
234	2020A1PS1620G	GRUDHANTI ADBUTH REDDY
235	2020A1PS1906G	AYUSHMAAN KUSHWAHA
236	2020A1PS1914G	TRIPATHI ROHINI BHARAT VISHAL
237	2020A1PS1915G	VIVSWAN PADMESHYA
238	2020A1PS1925G	SAYANTAN KARMAKAR
239	2020A1PS1931G	AVNEESH ROHIT PAI
240	2020A1PS1939G	DEVNAS SHENOY PAYYANUR
241	2020A1PS1948G	GHAWAT PRANAV ARUN
242	2020A1PS1958G	VED GURUDATT ZATEKAR
243	2020A1PS1963G	BENDE NIKUNJ VINOD
244	2020A1PS1964G	ANANYA RAMANATHAN IYER
245	2020A1PS1970G	SUKHRANI SAIEESH KAPIL
246	2020A1PS1975G	ISHIKA BHARDWAJ
247	2020A1PS1977G	ARYAN KUHAD
248	2020A1PS1979G	BASUDEBA JHA
249	2020A1PS1983G	CHAITANYA KANDARI
250	2020A1PS1984G	AMAN KONAR
251	2020A1PS1987G	ISHAN KUNDU
252	2020A1PS1992G	ABHIMANYU CHADHA
253	2020A1PS1996G	TUSHANKAA VASKAR BARAI
254	2020A1PS2009G	NIVID H. KHER
255	2020A1PS2010G	NOYONIKA GHOSH
256	2020A1PS2015G	SHWETABH VATS
257	2020A1PS2029G	KARTIK SENGUPTA
258	2020A1PS2046G	ARCHITA SRIVASTAVA
259	2020A1PS2049G	JAIN SARTHAK GAURAV
260	2020A1PS2052G	SHRAVANI KULKARNI
261	2020A1PS2062G	ANOUSHKA THAKUR
262	2020A1PS2064G	ISHIKA PRAHARAJ
263	2020A1PS2070G	AYUSH SHIVAM
264	2020A1PS2077G	RANGA YASH GOPAL
265	2020A1PS2083G	ABIJITH SARATH MENON
266	2020A1PS2086G	SAUMYA AJAY KUMAR
267	2020A1PS2089G	AMAN RAHMAN
268	2020A1PS2090G	KOUSTAV PANDA
269	2020A1PS2092G	PRATUL GARG
270	2020A1PS2105G	TIGMANSHU
271	2020A1PS2111G	ARKADIP PATRA
272	2020A1PS2112G	SANSKAR MOHAPATRA
273	2020A1PS2119G	DEVANG UMESH SHARMA
274	2020A1PS2126G	KARTIK CHOPRA
275	2020A1TS1650G	BANDODKAR RISHABH HEMANT
276	2020A1TS1962G	ROHINI NIVEDITA PADMANABHUNI

277	2020A1TS1969G	SWAPNIL SHUKLA
278	2020A1TS2048G	PRADHAN ANUJ GIRISH
279	2020A1TS2058G	SHRUTI SEN
280	2020A1TS2093G	ARYA KULKARNI

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

281	2019A3B30392G	G.K.KIRUTHIK SRINIVAAS
282	2019B1A30428G	PENUGONDA HITESH REDDY
283	2019B1A30921G	SATYAJIT AVADHOOT KUMTHEKAR
284	2019B1A30958G	ROSEN GARG
285	2019B1A30999G	AGRAWAL PRATHAMESH BIPIN
286	2019B1A31073G	PRIYANSHU NOUGRAHIYA
287	2019B1A31077G	RIYANSHI AGRAWAL
288	2019B1A31086G	MATHARU ROSHAN SINGH AVTAR SINGH
289	2019B1A31118G	HARSH GARG
290	2019B1A31135G	JADHAV PRADNYA RAJENDRA
291	2019B2A30906G	MOHD AKHLAD ANSARI
292	2019B2A30942G	ADWIK VERMA
293	2019B2A30974G	RUDRA BANSAL
294	2019B2A30975G	BISWAJIT BENGANI
295	2019B2A30991G	PURVI SINGH
296	2019B2A30992G	JAYANT LAL DAS
297	2019B2A31049G	POORVI GARG
298	2019B2A31063G	SACHIT PANT
299	2019B2A31069G	AKSHAT KUMAR
300	2019B2A31070G	JINAN AHMED SARMADI
301	2019B2A31080G	SHAMBHAVI SUMEDHA
302	2019B3A30009G	PRIYAL SETHIA
303	2019B3A30278G	BHAVYA SINGHAL
304	2019B3A30486G	GUPTA SACHIT VIKAS
305	2019B3A30490G	OWAIS ALI
306	2019B3A30567G	GURMEHAR SINGH KATHPALIA
307	2019B3A30574G	A SRIVATHSA
308	2019B3A30588G	MEDHAVI RAJVANSHY
309	2019B3A30605G	SHUBHAM SHARMA
310	2019B4A30184G	PAURUSH PUNYASHEEL
311	2019B4A30263G	MALAV THAKKAR
312	2019B4A30667G	SURAJ CHOUBEY
313	2019B4A30757G	ANUBHAV DHAL
314	2019B4A30780G	SINGH YOGESH AJAY
315	2019B4A31109G	SHAH MOKSHIT HARESH
316	2019B5A30196G	HARSH PRAVIN DABHADE
317	2019B5A30234G	PULKIT GUPTA
318	2019B5A30280G	AKSHAT SHISODIA
319	2019B5A30707G	OM TAYAL
320	2019B5A30810G	AYUSHI KAUL
321	2019B5A30825G	ABDUL JAWAD KHAN
322	2019B5A30828G	RISHIRAJ RAJKHOWA
323	2019B5A30853G	MS. ANUPAMA SHARMA
324	2019B5A30888G	SANSKRITI AGARWAL
325	2019B5A30895G	DEVANSH SHARMA

326	2019B5A30901G	ARYAN GUPTA
327	2019B5A31038G	PATIL YASHRAJ DEEPAK
328	2020A3PS0420G	TANISH GUPTA
329	2020A3PS0443G	RUSHIL PARIHAR
330	2020A3PS0445G	SHYAM SASIDHARAN PODUVAL
331	2020A3PS0468G	PRAKHAR GARG
332	2020A3PS0487G	CHANDRAGIRI VEDAANTA PRASAD
333	2020A3PS0497G	SINGH AAYUSHRAJ ANUJ
334	2020A3PS0513G	ABHISHEK R BHAT
335	2020A3PS0519G	AJAY KRISHNA GURUBARAN
336	2020A3PS0520G	ABHIJEET KAR
337	2020A3PS0522G	SHRIVATSA MAHESHWARI
338	2020A3PS0529G	PARAG GOYAL
339	2020A3PS0543G	JOSHI SIDDHANT TUSHAR
340	2020A3PS0550G	PIYUSH UPADHYAY
341	2020A3PS0551G	AYUSH GUPTA
342	2020A3PS0554G	RISHIK RACHA
343	2020A3PS0560G	AKHIL A BINU
344	2020A3PS0561G	RUDRARAJU VENKATA ASHISH VARMA
345	2020A3PS0567G	BANSAL ARIHANT ALOK
346	2020A3PS0574G	ARIJEET SINHA
347	2020A3PS0575G	AKSHAY KESHWANI
348	2020A3PS0586G	SHRISH DWIVEDI
349	2020A3PS1001G	ANANYA KRISHNA SARVA
350	2020A3PS1054G	ROHIT BEVINAHALLY
351	2020A3PS1069G	AKASH RANJAN
352	2020A3PS1089G	KHUSHI P S
353	2020A3PS1092G	MUTTINENI PRAPUL
354	2020A3PS1099G	VARADA TIRUMALA VASU
355	2020A3PS1100G	SHARAD AGARWAL
356	2020A3PS1251G	RAGHAVAN AADITYA GIRISH
357	2020A3PS1252G	SHREYASH SINGH
358	2020A3PS1257G	HARSH SINGH
359	2020A3PS1283G	ANKIT BHATTACHARYA
360	2020A3PS1297G	AMBEKAR SOUMITRA SUDHIR
361	2020A3PS1445G	SIMRAN MISHRA
362	2020A3PS1446G	PAGE TEJAS HEMANT
363	2020A3PS1447G	AKKINEPALLI ASHRITH DESHMUKH
364	2020A3PS1448G	YASH JIWANI
365	2020A3PS1449G	GOSAR SIDDH ATUL
366	2020A3PS1450G	MOHAN VIVEK
367	2020A3PS1451G	ISHAN GUPTA
368	2020A3PS1452G	JAIN ARAV VINAY
369	2020A3PS1453G	SIDDHARTH PALIWAL
370	2020A3PS1495G	CHETAN KESHAV GHODKE
371	2020A3PS1602G	PRANAV G
372	2020A3PS1603G	HARISH KRISHNA A
373	2020A3PS1607G	RISHABH M CHUGH
374	2020A3PS1608G	JASKEERAT SINGH AHLUWALIA
375	2020A3PS1611G	MEDHA R S
376	2020A3PS1749G	MANAN UPPADHYAY

377	2020A3PS1750G	CHIRAG AGRAWAL
378	2020A3PS1751G	VANSH PALIWAL
379	2020A3PS1754G	TUMMALAPALLI DINESH
380	2020A3PS1756G	ISHAN ABHAY YAGNIK
381	2020A3PS1757G	VISISHT BHARDWAJ
382	2020A3PS1758G	ADITYA AGARWAL
383	2020A3PS1759G	SHAH BHAVYA ASHISH
384	2020A3PS1761G	HARISH BHARDWAJ
385	2020A3PS1764G	ARYAN SALUJA
386	2020A3PS1765G	MILIND SINGH RAO
387	2020A3PS1766G	SUMEDHA PANJA
388	2020A3PS1767G	SAUMYA SHRIVASTAVA
389	2020A3PS1768G	BADAL CHANDHARIYAVI
390	2020A3PS1769G	DAKSH CHAUHAN
391	2020A3PS1770G	ANURAG
392	2020A3PS1771G	SIDDHANT OJHA
393	2020A3PS1832G	SIDDHANT SINGH VATTSA
394	2020A3PS1965G	SATWIK SAHU
395	2020A3PS2002G	SAMEER BANSAL
396	2020A3PS2056G	ANSH SRIVASTAVA
397	2020A3PS2095G	HRISHIKESH EKNATH PATIL
398	2020A3PS2128G	KRISHNA PRASHANTH SURA
399	2020A3TS0429G	SHEJWALKAR ASHWIN HEMANT
400	2020A3TS0501G	THETE IRAWATI RAHUL
401	2020A3TS0566G	PRAYAG MOHANTY
402	2020A3TS1412G	SHINGOTE SAHIL SUBHASH
403	2020A3TS1431G	VIKRAM VAIDYANATHAN VENKATRAMAN
404	2020A3TS1444G	PRAMATH BALISAVIRA GURUPRASANNA
405	2020A3TS1760G	SUCHETAN R S
406	2020A3TS2081G	PRAGGYA SHARMA

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

407	2018B1A80620G	NISHIT DUA
408	2019A8PS0448G	GANDHI SIDDHARTH MANDAR
409	2019B1A80957G	GUJAR VEDANT MILIND
410	2019B1A80967G	ROHIT R
411	2019B1A80969G	B SHREYAS BHAT
412	2019B1A80980G	AGRAY CHETTIAR
413	2019B1A81000G	NIPUN GUPTA
414	2019B1A81007G	MAITHILI BANGINWAR
415	2019B1A81068G	JAVIN BACHANI
416	2019B1A81075G	AANSH AGARWAL
417	2019B1A81095G	ANKUSH MAHANTY
418	2019B1A81134G	VISHESH GUPTA
419	2019B1A81136G	PRAKHAR JAIMAN
420	2019B2A80070G	SHITOLE OMKAR SANDEEP
421	2019B2A80169G	MEHAK SAREEN
422	2019B2A80524G	ISHA RASTOGI
423	2019B2A80730G	SIDDHARTH RATHI
424	2019B2A80917G	VEDANT NEGI
425	2019B2A80925G	BAGDI DHANASHREE KAMAL

426	2019B2A80938G	HIMANSHU SINGH
427	2019B2A81071G	KAMAT GOPALI MADAN
428	2019B2A81072G	DIVYAM AGARWAL
429	2019B2A81088G	SAYAN SAMANTA
430	2019B3A80592G	SAUMYA AVASTHI
431	2019B3A80600G	SUSHMITHA SATHISHA NAYAK
432	2019B3A80606G	NITIN ARUL
433	2019B3A80713G	SARANSH GUPTA
434	2019B4A80006G	NALIN NARENDRASINGH RAJPUT
435	2019B4A80106G	YASH KASLIWAL
436	2019B4A80254G	ABHIGYAN BAJPAI
437	2019B4A80282G	RAJAT GARG
438	2019B4A80722G	NAYAN JAIN
439	2019B4A80762G	JOEL JACOB VARGHESE
440	2019B4A80767G	ADITYA TOMAR
441	2019B4A80795G	VARADA R
442	2019B4A80800G	DARSHAN PRAVIN BHANGALE
443	2019B4A80815G	ABHINAV GOYAL
444	2019B4A80869G	HRISHIT GUPTA
445	2019B5A80258G	ARINDAM BANDI
446	2019B5A80283G	YASH GUPTA
447	2019B5A80558G	P H CHERIYAN
448	2019B5A80769G	MURUDKAR KAUSTUBH MANDAR
449	2019B5A80894G	SATVIK SINGH
450	2020A8PS0331G	AMOGH PATWARDHAN
451	2020A8PS0357G	SAKUNDE ATHARVA UMESH
452	2020A8PS0441G	GAURAV BASU
453	2020A8PS0552G	KESHAV RATHI
454	2020A8PS0553G	SAPALE OM SHAILESH
455	2020A8PS0562G	ABU ZAR TALIB ABU TALIB ANSARI
456	2020A8PS0712G	SHIKHAR SRIVASTAVA
457	2020A8PS0715G	BARATH M
458	2020A8PS0718G	PRAKHAR AGARWAL
459	2020A8PS0728G	VAISHNAV PRASAD R K
460	2020A8PS0881G	UTSMAY KUMAR
461	2020A8PS1114G	PRANAV V C
462	2020A8PS1125G	VAISHNAVI BHARADWAJ
463	2020A8PS1131G	KANTIA ISHAN VIKAS
464	2020A8PS1139G	KOTA VENKATA KRISHNA SURYA
465	2020A8PS1144G	PUNGLIA SHAANIL SANJAY
466	2020A8PS1248G	RAHUL BAJAJ
467	2020A8PS1280G	AADITYA RAJ
468	2020A8PS1286G	KUNAL BHAKRI
469	2020A8PS1301G	AAYUSH NAYAK
470	2020A8PS1455G	HARSHIT BANSAL
471	2020A8PS1478G	RAJIMWALE JANHVI MANOJ
472	2020A8PS1479G	ZAVERI JASH SANJIL
473	2020A8PS1480G	ASHUTOSH PANDEY
474	2020A8PS1484G	DIVEKAR ROHAN VIVEK
475	2020A8PS1488G	ARYAN KOHLI
476	2020A8PS1490G	AMAN DUDEJA

477	2020A8PS1491G	HARSH TIWARI
478	2020A8PS1494G	RUDRANIL DAS GUPTA
479	2020A8PS1501G	PARTH FALGUN CHOKSHI
480	2020A8PS1502G	JHA ABHINAV ANAND
481	2020A8PS1506G	ANSH GUPTA
482	2020A8PS1507G	TANMAY KHANDELWAL
483	2020A8PS1512G	DARSHAN MOHAN KHADE
484	2020A8PS1609G	RAJDEEP DAS
485	2020A8PS1612G	SAGAR KULKARNI
486	2020A8PS1613G	PATIL KUNAL SANJAYKUMAR
487	2020A8PS1755G	VEDAANT RATH
488	2020A8PS1772G	RISHI JAIN
489	2020A8PS1773G	KUMAR NAMAN
490	2020A8PS1774G	DHANANI NAITIK NILESH
491	2020A8PS1777G	DASMOHAPATRA AKANKSHA BIPIN
492	2020A8PS1778G	VIBHAV PANDEY
493	2020A8PS1780G	AVIRAL SINGHAL
494	2020A8PS1782G	ARNAV SARAF
495	2020A8PS1783G	RISHIT THAKUR
496	2020A8PS1786G	RACHIT CHAUDHARY
497	2020A8PS1789G	SANKALP SINGH
498	2020A8PS1791G	AKSHAT KUMAR
499	2020A8PS1792G	ABHIMANYU MALIK
500	2020A8PS1793G	ARYAMAN MEHROTRA
501	2020A8PS1795G	SUYASH IYENGAR
502	2020A8PS1797G	ANANTH RAGHAV
503	2020A8PS1798G	ROCHISHNU PRAMANIK
504	2020A8PS1800G	AMAAN SADRIWALA
505	2020A8PS1802G	NISHKARSH JAIN
506	2020A8PS1803G	P V S CHIRAG
507	2020A8PS1804G	SAMANWITA MUKHERJEE
508	2020A8PS1806G	SHAH SOMARDH RAJIV
509	2020A8PS1807G	ROUNAK BHATIA
510	2020A8PS1808G	MUPPALANENI VINAYAK SURYA TEJA
511	2020A8PS1926G	RISHABH BIJOY DOWERAH
512	2020A8PS1995G	AYUSH SHARMA
513	2020A8PS2013G	AGARWAL ASHUTOSH
514	2020A8PS2036G	SAKSHI GUPTA
515	2020A8PS2039G	AMRIT KUMAR SINHA
516	2020A8PS2057G	BHADRI AVANI MANGIRISH
517	2020A8PS2085G	ARJUN NAG
518	2020A8TS1300G	GHOTAVADEKAR ATHARVA AJAY
519	2020A8TS1489G	POTDAR DHRUV PANKAJ
520	2020A8TS1801G	SWARNAB GARANG
521	2020A8TS2054G	SNEHA SARASWAT

**B.E.(Electronics and Communication)**

522	2018B5AA0684G	AYUSH AARYAN
523	2019AAPS0247G	SARTHAK CHAKRABARTI
524	2019AAPS0264G	ABHIMAAN PATIL
525	2019B1AA0949G	RAGHUVEER R M

526	2019B1AA0962G	ADITYA SINGH
527	2019B1AA0990G	AYUSH RAJGARIA
528	2019B1AA0998G	KARTIKEYA KAMAL JAIN
529	2019B1AA1074G	AYUSH HIRANWAR
530	2019B1AA1090G	JATIN CHOPRA
531	2019B1AA1093G	ISHAAN SINGH
532	2019B2AA0918G	ADITYA KUMAR SINGHAL
533	2019B2AA1065G	TUSHAR SHARMA
534	2019B2AA1089G	UDAY SEHGAL
535	2019B2AA1111G	SHUBHAM CHANDRA
536	2019B3AA0148G	DARAK HARSH PURUSHOTTAM
537	2019B3AA0197G	RAKSHIT AJMERA
538	2019B3AA0227G	ADARSH GOYAL
539	2019B3AA0445G	ANAMAYA KARORIA
540	2019B3AA0488G	MANAS CHATURVEDI
541	2019B3AA0528G	TUSHAR KABRA
542	2019B3AA0530G	ANURAG BAJPAI
543	2019B3AA0535G	HRUTHVIK M
544	2019B3AA0547G	VARUN SUNIL SHETTY
545	2019B3AA0602G	BAHETI SANKET KHUSHALCHAND
546	2019B3AA0657G	PRIKSHIT
547	2019B4AA0172G	GAURI MISHRA
548	2019B4AA0194G	ISHITA VERMA
549	2019B4AA0262G	VANSH PRASHANT JEJANI
550	2019B4AA0693G	DHRUVA RAJA
551	2019B4AA0704G	SHIVAM VIKRAM CHADHA
552	2019B4AA0735G	ESHAAN JAIN
553	2019B4AA0749G	MADHAV SINHA
554	2019B4AA0790G	RANADE CHINMAY ANIRUDDHA
555	2019B4AA0819G	SAYAN CHATTOPADHYAY
556	2019B4AA0834G	TRIVEDI YASH SAMEER
557	2019B5AA0408G	RACHIT MOTWANI
558	2019B5AA0656G	ANIKET BHUYAN
559	2019B5AA0739G	VATSALA TRIPATHI
560	2019B5AA0768G	ANIRUDH SINGH
561	2019B5AA0773G	DHRUV SHARMA
562	2019B5AA0896G	KARTIK CHOUBISA
563	2019B5AA0902G	TAMBAT SARVESH MANOJ
564	2019B5AA1040G	BHUVAN S V
565	2020AAPS0197G	ADITYA SHIRISH KAMAT
566	2020AAPS0205G	PATIL ADITYA KIRAN
567	2020AAPS0239G	SUSHIL NAYAK
568	2020AAPS0248G	H R VEDANTH
569	2020AAPS0302G	DESHPANDE ATHARV MAHESH
570	2020AAPS0306G	KUMAR AAYUSH
571	2020AAPS0317G	BHANDARI SANYAM PRAVEEN
572	2020AAPS0321G	DAKSH GOEL
573	2020AAPS0327G	SWAYAM SIDHANT PAL
574	2020AAPS0334G	KUMAR KRISH
575	2020AAPS0352G	VISHESH GUPTA
576	2020AAPS0353G	DESHMUKH ABHISHEK DHANAJI



577	2020AAPS0378G	PUJALA ESWARDEEP
578	2020AAPS0385G	PATIL SHREYAS SAMUDRAVIJAY
579	2020AAPS0395G	HRIDAY ANIL KHURANA
580	2020AAPS0396G	GAURAV CHATURVEDI
581	2020AAPS0410G	POORNIMA K
582	2020AAPS0422G	PRIYANSHU PANDEY
583	2020AAPS1018G	HRITHIK JAYASANKAR
584	2020AAPS1019G	KARVE AVANI ABHIJIT
585	2020AAPS1020G	SAKETH VARMA AVANIGADDA
586	2020AAPS1021G	PRANAV LEKSHMINARAYANAN
587	2020AAPS1022G	ANUSHA RAO
588	2020AAPS1023G	PRABHU SALONI SANTOSH
589	2020AAPS1025G	AGRAWAL NIDHI VIJAY
590	2020AAPS1026G	SIDAARTH BALAJI
591	2020AAPS1027G	ANISH NANDIGAMA
592	2020AAPS1029G	AMOGH RAI
593	2020AAPS1030G	VIHAL J ROTTI
594	2020AAPS1031G	RUSHIL GERA BATRA
595	2020AAPS1039G	SIDDHARTH SINGH
596	2020AAPS1040G	BHANDARKAR DHANASHREE SAMIR
597	2020AAPS1045G	ISHITA KUMARI
598	2020AAPS1051G	DEBANSHU MISHRA
599	2020AAPS1052G	JULIO GUSTAVO FERNANDO SA
600	2020AAPS1058G	SHIRADHONKAR MIHIR ASHISH
601	2020AAPS1065G	AKSHAT AGRAWAL
602	2020AAPS1071G	VEDANTH PARTHASARATHY
603	2020AAPS1075G	ADVITIYA ARORA
604	2020AAPS1237G	ARNAV MISHRA
605	2020AAPS1239G	SHAH KRISH VIPUL
606	2020AAPS1275G	YASH VARDHAN GUPTA
607	2020AAPS1400G	KIKANI DHRUV KALPESH
608	2020AAPS1405G	AMIREDDY VINAY KUMAR REDDY
609	2020AAPS1406G	JALTARE ANISH
610	2020AAPS1407G	JITARTH BHAVESH PATEL
611	2020AAPS1410G	TANISHQ GUPTA
612	2020AAPS1413G	PARIKSHIT GUPTA
613	2020AAPS1418G	PAI ADITYA DEEPAK
614	2020AAPS1422G	SHUBHI BHANDARI
615	2020AAPS1423G	NEEV SIKKA
616	2020AAPS1425G	NIRMAY KISHOR NAIK
617	2020AAPS1429G	SOMAN YASH NILESH
618	2020AAPS1434G	PAREKH VATSAL HARSHESH
619	2020AAPS1438G	EDWIN JOSEPH
620	2020AAPS1441G	ASHUTOSH KARANAM
621	2020AAPS1442G	NITIN SHEKHAWAT
622	2020AAPS1598G	PUNEET TYAGI
623	2020AAPS1737G	KAPRE AADITI AJAY
624	2020AAPS1738G	AHUJA ABHAYPREET SINGH PARAMJIT SINGH
625	2020AAPS1739G	ABHAY RAJ MISHRA
626	2020AAPS1740G	KUSHANT SUDHIR AGRAWAL

627	2020AAPS1741G	CHITHAMBARASH S E
628	2020AAPS1742G	RASIK SHYAM
629	2020AAPS1743G	JAVERI SAHIL LOKESH
630	2020AAPS1744G	AAYUSH
631	2020AAPS1747G	RISHABH KUMAR BHAKTA
632	2020AAPS1748G	ABHIJAY SINHA
633	2020AAPS1981G	RAVAL PRIYANSHU VIBHASHKUMAR
634	2020AAPS2116G	RITVIK RAO ALLENI
635	2020AATS0308G	AGARWAL HIMANISH
636	2020AATS0330G	RISHAV MUKHERJI
637	2020AATS0363G	MANAN ARORA
638	2020AATS1024G	RAJE ANSHUL RAJESH
639	2020AATS1047G	SIDHAANT SACHIN THAKKER
640	2020AATS1424G	ANOUSHKA CHAKRABARTY
641	2020AATS1745G	PATNI TANAY PANKAJ

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

642	2018A4TS1011G	ARPIT GUPTA
643	2018B1A40927G	ARSH KHAN
644	2019A4PS0536G	PAMPATTIWAR OMKAR AVINASH
645	2019A4PS1107G	RITAM BISWAS
646	2019B1A40801G	OJASWE GUPTA
647	2019B1A40814G	DHRUV DEHLAN
648	2019B1A40870G	MANAN MEHULBHAI SHAH
649	2019B1A40933G	RAHUL SHANDILYA
650	2019B1A41084G	DEV RUPESH MEHTA
651	2019B1A41092G	PRAKHAR AGARWAL
652	2019B1A41117G	ABHEESH BHARDWAJ
653	2019B2A40048G	CHIRAG GARG
654	2019B2A40132G	VIDISHA WAHAL
655	2019B2A40897G	DAMLE YASH RAJENDRA
656	2019B2A40898G	AMOGH SINHA
657	2019B2A40908G	AKSHAY KHANNA
658	2019B2A40912G	ASHWIN V VENKATESH
659	2019B2A40916G	ALLU HARI KRISHNA
660	2019B2A40936G	AKSHAT SINGHAL
661	2019B2A40995G	ABHINAV VERMA
662	2019B2A41057G	BUDI ADITYA BHAT
663	2019B2A41079G	B RAMCHARAN
664	2019B2A41082G	MUKUND GARG
665	2019B2A41115G	SANYAM AGARWAL
666	2019B3A40386G	SARANG VINEESH
667	2019B3A40435G	ABHIJEET ANIL KUMAR
668	2019B3A40546G	ARJUN ARIHANT
669	2019B3A40572G	ADYA TEWARI
670	2019B3A40644G	V R SHYAM SUNDER
671	2019B4A40003G	HERAMBH KRISHNAA S
672	2019B4A40074G	VARUN LENKA
673	2019B4A40410G	UTKAL SINGH
674	2019B4A40685G	AYUSH KUMAR SINGH
675	2019B4A40748G	SWAYAMBHU STHITAPRAGNA BHOI

676	2019B4A40787G	VINDESHWARI PRASAD
677	2019B4A40799G	MANUROOP SINGH GILL
678	2019B4A40811G	KARTIK UPADHYAY
679	2019B4A40830G	SHRUTI PANDEY
680	2019B4A41041G	ABHINAV RAJA
681	2019B5A40232G	SAURABH KALRA
682	2019B5A40453G	SAKSHAM MIDHA
683	2019B5A40497G	ACCHYUT JOLLY
684	2019B5A40617G	N KARTHIKEYA KOUSHIK
685	2019B5A40792G	VANAMA BHASKARA SAI RUPESH
686	2019B5A40809G	PAUL JACOB
687	2019B5A40852G	SHINDE GAURAV RAJENDRA
688	2019B5A40903G	ANAND PRATAP SINGH
689	2019B5A40905G	ANKIT ANAND
690	2019B5A41039G	ARYAN RITESH NIGAM
691	2019B5A41042G	ASHISH KUMAR SINHA
692	2020A4PS0771G	DARSH MENON
693	2020A4PS1094G	PINGLE PRATHAMESH RAHUL
694	2020A4PS1111G	AGARWAL YASH
695	2020A4PS1116G	VAIBHAV JOSHI
696	2020A4PS1137G	DESHPANDE YASH RAHUL
697	2020A4PS1189G	AYUSH KISHOR HINSU
698	2020A4PS1191G	BAIBHAV PADHY
699	2020A4PS1196G	VIDIT DAMELE
700	2020A4PS1200G	WANGE ANURAAG MANGESH
701	2020A4PS1264G	NIKHIL SRIVASTAVA
702	2020A4PS1334G	ASHISH ANAND
703	2020A4PS1356G	DHRUV SAWANT
704	2020A4PS1364G	ABHIMANYU
705	2020A4PS1473G	JADHAV JAYKUMAR LAXMAN
706	2020A4PS1483G	MITESH BHARDWAJ
707	2020A4PS1486G	HARSH SIHAG
708	2020A4PS1487G	GODBOLE MADHURA DILIP
709	2020A4PS1556G	TANDON SHAURYA GAGAN
710	2020A4PS1558G	ARYAMA AVADH
711	2020A4PS1564G	RAVULA AKSHAY REDDY
712	2020A4PS1567G	PRANAV TRIVEDI
713	2020A4PS1591G	ANISH CHANDRASHEKHAR PARALIKAR
714	2020A4PS1619G	RUNWAL AYUSH PRASHANT
715	2020A4PS1625G	AVINAB NEOGY
716	2020A4PS1631G	SATYAM JHA
717	2020A4PS1632G	JOSEPH KURIAN
718	2020A4PS1649G	THOMAS BIJU
719	2020A4PS1651G	KARRI SAI AKSHIT
720	2020A4PS1811G	SUBHRANGAM BHARALI
721	2020A4PS1813G	SIDDHARTH UPADHYAY
722	2020A4PS1814G	PUNEET MALL
723	2020A4PS1815G	SHIVANG SINGH
724	2020A4PS1817G	PRAGUN SHARMA
725	2020A4PS1822G	NEHA JOHN ELUVATHINGAL
726	2020A4PS1823G	VINEET KUMAR

727	2020A4PS1825G	CHITILAPPILLY MELVIN GEORGE
728	2020A4PS1826G	SARANSH GOEL
729	2020A4PS1827G	PARTH SINGHAL
730	2020A4PS1829G	AYUSH KUMAR
731	2020A4PS1834G	PRATHAM CHANDRA JHA
732	2020A4PS1835G	G RAHUL
733	2020A4PS1836G	AYUSH DAS
734	2020A4PS1838G	RUCHIT TARUN AGRAWAL
735	2020A4PS1841G	MYDEO ROHIT PRASAD
736	2020A4PS1848G	PATEL VRAJ PARIMAL
737	2020A4PS1858G	ADITYA PRATAP SINGH TOMAR
738	2020A4PS1866G	DEV BAJAJ
739	2020A4PS1867G	ANIRUDHA SHUKLA
740	2020A4PS1869G	ANUKARSH SAXENA
741	2020A4PS1870G	GAURAV VIJIT NAIR
742	2020A4PS1873G	ADITYA VERMA
743	2020A4PS1880G	ROHAN KANNA
744	2020A4PS1882G	TURLAPATI PRADYUMAN T B S RAO
745	2020A4PS1883G	DIWAN OM KIRAN
746	2020A4PS1888G	CHINMAY RANKA
747	2020A4PS1894G	AMAN SHARMA
748	2020A4PS1897G	KSHITIJ TIWARI
749	2020A4PS1898G	PRITESH JAIN
750	2020A4PS1900G	SHREYANSH PATHAK
751	2020A4PS1901G	SHLOK SINHA
752	2020A4PS1902G	ARYAMAN JOSHI
753	2020A4PS1903G	PUNYA TEWANI
754	2020A4PS1904G	VENKATA NAGA SAI BHARATH THATHA
755	2020A4PS1928G	NITISH KARTHIKEYAN
756	2020A4PS1935G	PACHPANDE NISHIT CHANDRASHEKHAR
757	2020A4PS1938G	KILLEDAR PRATHAMESH VINAYAK
758	2020A4PS1940G	ADITYA RAMAKRISHNAN IYER
759	2020A4PS1941G	PRANSU KUMAR PRASUN KUMAR
760	2020A4PS1945G	RACHIT HEGDE
761	2020A4PS1946G	GAIDHANI VEDANT RAVINDRA
762	2020A4PS1952G	EKANSH GUPTA
763	2020A4PS1972G	YASH VIJAYKUMAR CHAVAN
764	2020A4PS1985G	AMBALGI PUSHKARAJ VINAY
765	2020A4PS1986G	MALLICK AMMAR AHMED ABSAR AHMED
766	2020A4PS1988G	AKASH SUMEET BODHANKAR
767	2020A4PS1990G	PATEL ROHIT HITESH
768	2020A4PS2001G	WANI SHREYAS SAKHAHARI
769	2020A4PS2006G	DHYEY BHATT
770	2020A4PS2022G	SANTHOSH SIVAKUMAR
771	2020A4PS2026G	ROEHIT GUPTA
772	2020A4PS2078G	S UMASHANKAR
773	2020A4PS2104G	NAFDE SHOUNAK SADANAND
774	2020A4PS2107G	ADITYA MAKHIJA
775	2020A4PS2108G	SHIRASKAR SOHAM VIJAY
776	2020A4PS2130G	ANNIKET JAIN
777	2020A4PS2131G	KANHA MISHRA

778	2020A4TS0521G	ISHAN TANDON
779	2020A4TS1002G	SANDESH KANTIMAHANTI
780	2020A4TS1481G	ASHISH BARDIA
781	2020A4TS1505G	KISHNANI JATIN RAMESH
782	2020A4TS1810G	MAMIDISETTI VENKATA SIDDARTH
783	2020A4TS1819G	DARSHNA SONGARA
784	2020A4TS1824G	ISHAN SATHISH SUVARNA
785	2020A4TS1850G	ANNAMDEVULA MOHAN MANOBHIRAM
786	2020A4TS1879G	PARANDEKAR ADITYA JAYDEEP
787	2020A4TS1885G	AADITHYA IYER
788	2020A4TS2061G	URVI MARCHINO

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

789	2018B5A70873G	KOTHARI DARSHAN HARISH
790	2018B5A70898G	AADITEE JUJAL
791	2019A7PS0157G	ATHARVA AGRAWAL
792	2019A7TS0119G	DIP TURKAR
793	2019B1A70855G	HEMANT SURESH BAJPAI
794	2019B1A70994G	SHREYAS SANTOSH PAWAR
795	2019B1A71085G	VINEET VATSAL
796	2019B1A71099G	SHAMEEK KUMAR BARANWAL
797	2019B1A71116G	SHELAR MRUNMAY MOHAN
798	2019B1A71119G	VIKRAM ADITYA MUNNALAL
799	2019B2A70007G	AVIRAL SRIVASTAVA
800	2019B2A70911G	JYOTISHMAN KASHYAP
801	2019B2A70932G	GOLAS SAMRIDDHI
802	2019B2A70989G	APARAJITA GUHA
803	2019B3A70206G	ARYAN UDESHI
804	2019B3A70248G	SADASHAY KANUNGO
805	2019B3A70252G	PARTH GOYAL
806	2019B3A70256G	MADHAV BAJAJ
807	2019B3A70269G	MALI WAL YASH LALIT
808	2019B3A70277G	SHASHWAT SHARMA
809	2019B3A70289G	ARMAAN CHOWFIN
810	2019B3A70320G	HIMANSHU DAGA
811	2019B3A70417G	ISHITA KHICHAIR
812	2019B3A70426G	KOLLI AKASH
813	2019B3A70441G	ROHAN GOYAL
814	2019B3A70449G	LAKSHYA SINGH
815	2019B3A70463G	ANIKET SHAHA
816	2019B3A70474G	AVNI GARG
817	2019B3A70478G	SINGH ADITYA ANIL
818	2019B3A70494G	SHREYAS ATHREYA
819	2019B3A70506G	RITVIK RAJKUMAR AGRAWAL
820	2019B3A70537G	AKHIL VENKATASAI KAPPAGANTULA
821	2019B3A70543G	JAI KHATRI
822	2019B3A70544G	HARITARTH BHARDWAJ
823	2019B3A70551G	AKSHAY KRISHNA D
824	2019B3A70554G	RAGHAV MANGALAPALLI
825	2019B3A70557G	SOMASEKHARA AKASH VEMALI
826	2019B3A70559G	CHITVAN AGRAWAL

827	2019B3A70561G	PATEL VEDANT ALKESH
828	2019B3A70562G	KSHIRSAGAR SHREYAS SUBHASH
829	2019B3A70563G	AKSHAT SRIVASTAVA
830	2019B3A70565G	NANDHINI R SHENOY
831	2019B3A70578G	ISHAN KOTHARI
832	2019B3A70603G	ARYAN JAIN
833	2019B3A70608G	VAYUN LOHANI
834	2019B3A70611G	TARUN CHORDIA
835	2019B3A70612G	SRAJAN GUPTA
836	2019B3A70613G	PURU NARAYAN
837	2019B3A70615G	SAWANT AYUSH VINOD
838	2019B3A70624G	SIDDHARTH TRIPATHY
839	2019B3A70674G	MOHTA ANSH KRISHNAKANT
840	2019B3A70785G	RISHABH RAVINDRA AGARWAL
841	2019B3A70798G	SHIKHAR SAHAY
842	2019B4A70031G	KHASNIS HARSHIT HANMANTRAO
843	2019B4A70071G	ANEESHA JAIN
844	2019B4A70109G	MANAS LOHANI
845	2019B4A70193G	UNNAT JAIN
846	2019B4A70198G	MANAS AGARWAL
847	2019B4A70266G	TUSHAR SHRIMALI
848	2019B4A70331G	MOTA PREYANK BHAVESH
849	2019B4A70620G	KHARE NEEL YASHODHAN
850	2019B4A70663G	AASHUTOSH PANDEY
851	2019B4A70689G	TYAGI KUSH PRAVEEN
852	2019B4A70690G	PRONOMA BANERJEE
853	2019B4A70708G	PARAB CHINMAY ABAJI
854	2019B4A70718G	SARANSH PRUTHI
855	2019B4A70719G	UTKARSH OMER
856	2019B4A70727G	ROHIT RAJESH JAIN
857	2019B4A70734G	ROHAN KHOSLA
858	2019B4A70737G	SAKSHAM BANSAL
859	2019B4A70755G	RISHI KHANDELWAL
860	2019B4A70759G	DHAIRYA MISHRA
861	2019B4A70796G	SARTHAK KRISHNA
862	2019B4A70802G	SHRUTI RASTOGI
863	2019B4A70806G	SHIVAM SAWLANI
864	2019B4A70874G	CHINTAN SHARMA
865	2019B5A70261G	ADITI SETHI
866	2019B5A70275G	LAKSHYA GUPTA
867	2019B5A70317G	KULKARNI DARSHAN VINAYAK
868	2019B5A70411G	SNEHASISH KUMAR SHARMAH THAKUR
869	2019B5A70420G	SHAH NEIL JAYESH
870	2019B5A70638G	NARESH CHAVAN
871	2019B5A70640G	ASTITVA SEHGAL
872	2019B5A70641G	GUPTA DEVESH PRAVEENKUMAR
873	2019B5A70652G	YASHEE SINHA
874	2019B5A70706G	NIRMAN BHARTI
875	2019B5A70720G	SIDHANT CHOUDHARY
876	2019B5A70742G	VIVEK SUBRAMANIAM R
877	2019B5A70774G	PRATYUSH SINGH

878	2019B5A70786G	KAVISH PRAKASH SANGANERIA
879	2019B5A70818G	PRANAV ARVIND BHILE
880	2019B5A71110G	ADITYA AGARWAL
881	2020A7PS0001G	TENDULKAR ANIKET MINESH
882	2020A7PS0010G	AMITAVA CHAKRABARTI
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884	2020A7PS0061G	SOHAN S DESAI
885	2020A7PS0084G	GARVIT SETHI
886	2020A7PS0088G	ANSH LALCHANDANI
887	2020A7PS0098G	METUKURU YOGESH
888	2020A7PS0101G	GIDWANI MOHAK HARISH
889	2020A7PS0103G	NAMAN AGGARWAL
890	2020A7PS0104G	PARTH SHARMA
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892	2020A7PS0106G	PAI VENKATESH AJIT
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897	2020A7PS0116G	AKHIL BANSAL
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899	2020A7PS0119G	NABAR OMKAR ASHISH
900	2020A7PS0120G	AGRAWAL MONIT MADHUR
901	2020A7PS0124G	YASH AHIRRAO
902	2020A7PS0126G	PANKHEDKAR ASHISH MILIND
903	2020A7PS0127G	SURYANSH SINGHAI
904	2020A7PS0130G	MILIND KUMAR PRASAD
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911	2020A7PS0141G	RISHAM BINDRA
912	2020A7PS0142G	S RAVI SANKER
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914	2020A7PS0146G	SHREYA NEHRA
915	2020A7PS0148G	NAISHADH SHETH
916	2020A7PS0152G	YASH AGRAWAL
917	2020A7PS0154G	ADITYA KHILLAN
918	2020A7PS0171G	SATYAM BANSAL
919	2020A7PS0179G	AVI GOYAL
920	2020A7PS0413G	VIVAN MAITREYA
921	2020A7PS0953G	RAHUL M. BIJU
922	2020A7PS0954G	JHAVERI DHRUVIT PARAG
923	2020A7PS0957G	ALWIN HELOR
924	2020A7PS0958G	SARTHAK NAHTA
925	2020A7PS0960G	AGRIM RAI
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928	2020A7PS0963G	SHAURYA AGARWAL

929	2020A7PS0964G	HARSHIT SAMAR
930	2020A7PS0965G	ALIMCHANDANI VEDANT RAVI
931	2020A7PS0966G	DEEPAK KUMAR JHA
932	2020A7PS0967G	VISHESH AGRAWAL
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934	2020A7PS0969G	VARDAAN KAKAR
935	2020A7PS0970G	MUKHERJEE ANIRUDH DEBADEEP
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937	2020A7PS0972G	ADVAIT NARESH JISHNANI
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953	2020A7PS1004G	SHAH RUSHABH JIGNESH
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970	2020A7PS1368G	PATEL TANMAY CHETAN
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1030	2020A7PS1735G	Y S G AKSHAY

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1034	2020A7TS0096G	PRANEETH B
1035	2020A7TS0143G	BHARATH SHRIDHAR HEGDE
1036	2020A7TS0153G	MANE ATHARV MAHESH
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1042	2020A7TS1016G	PRATYUSH BADRI
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1045	2020A7TS1697G	SIDDHAVATAM ROHAN SAHAY
1046	2020A7TS1706G	S I HARINI
1047	2020A7TS1717G	SAHIL AGARWAL
1048	2020A7TS1719G	GOWAIKAR SHREEYASH MUKUL
1049	2020A7TS1723G	CHITNIS SOHAM ROHIT
1050	2020A7TS2129G	DIXIT DWIJ NITIN

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

1051	2018B1A40927G	ARSH KHAN
1052	2018B1A80620G	NISHIT DUA
1053	2019B1A10129G	SWARNIM KISHOR BARAPATRE
1054	2019B1A10886G	TARUN VARGHESE MATHEW
1055	2019B1A10910G	ADITYA AMIYA PANDA
1056	2019B1A11081G	DEEPAK SADHWANI
1057	2019B1A30428G	PENUGONDA HITESH REDDY
1058	2019B1A30921G	SATYAJIT AVADHOOT KUMTHEKAR
1059	2019B1A30958G	ROSEN GARG
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1063	2019B1A31086G	MATHARU ROSHAN SINGH AVTAR SINGH
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1065	2019B1A31135G	JADHAV PRADNYA RAJENDRA
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1069	2019B1A40933G	RAHUL SHANDILYA
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1097	2019B1TS0981G	MANSI PAI
1098	2020B1PS1032G	ARCHIS KELKAR
1099	2020B1TS1033G	ROHIT CHEBBI

**M.Sc.(Chemistry)**

1100	2019B2A10746G	OHRI NIKHIL RAJESH
1101	2019B2A10927G	VALLURI SAI YESHWANTH REDDY
1102	2019B2A10930G	PRANAV UPADHYAY
1103	2019B2A10948G	SHUJA JAMEEL SIDDIQUI
1104	2019B2A10973G	YASH SAINI
1105	2019B2A11052G	VIDUSHI BANSAL
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1107	2019B2A11078G	SHAIKH ZAINAH RAHEMAN
1108	2019B2A11097G	RONIT CHANDNANI
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1110	2019B2A30906G	MOHD AKHLAD ANSARI
1111	2019B2A30942G	ADWIK VERMA
1112	2019B2A30974G	RUDRA BANSAL
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1117	2019B2A31063G	SACHIT PANT
1118	2019B2A31069G	AKSHAT KUMAR
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1127	2019B2A40916G	ALLU HARI KRISHNA
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1150	2019B2AA1089G	UDAY SEHGAL
1151	2019B2AA1111G	SHUBHAM CHANDRA
1152	2020B2TS1953G	ANAGHA RAJESH

**M.Sc.(Economics)**

1153	2019A3B30392G	G.K.KIRUTHIK SRINIVAAS
1154	2019B3A10092G	DHRUV BHARGAVA
1155	2019B3A11103G	DILSHER SINGH MINHAS
1156	2019B3A30009G	PRIYAL SETHIA
1157	2019B3A30278G	BHAVYA SINGHAL
1158	2019B3A30486G	GUPTA SACHIT VIKAS
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1160	2019B3A30567G	GURMEHAR SINGH KATHPALIA
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**M.Sc.(Mathematics)**

1223	2019B4A10791G	RICHA GUPTA
1224	2019B4A30184G	PAURUSH PUNYASHEEL
1225	2019B4A30263G	MALAV THAKKAR
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1267	2019B4A80722G	NAYAN JAIN
1268	2019B4A80762G	JOEL JACOB VARGHESE
1269	2019B4A80767G	ADITYA TOMAR
1270	2019B4A80795G	VARADA R
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1277	2019B4AA0693G	DHRUVA RAJA

1278	2019B4AA0704G	SHIVAM VIKRAM CHADHA
1279	2019B4AA0735G	ESHAAN JAIN
1280	2019B4AA0749G	MADHAV SINHA
1281	2019B4AA0790G	RANADE CHINMAY ANIRUDDHA
1282	2019B4AA0819G	SAYAN CHATTOPADHYAY
1283	2019B4AA0834G	TRIVEDI YASH SAMEER

**M.Sc.(Physics)**

1284	2018B5A70873G	KOTHARI DARSHAN HARISH
1285	2018B5A70898G	AADITEE JUJAL
1286	2018B5AA0684G	AYUSH AARYAN
1287	2019B5A30196G	HARSH PRAVIN DABHADE
1288	2019B5A30234G	PULKIT GUPTA
1289	2019B5A30280G	AKSHAT SHISODIA
1290	2019B5A30707G	OM TAYAL
1291	2019B5A30810G	AYUSHI KAUL
1292	2019B5A30825G	ABDUL JAWAD KHAN
1293	2019B5A30828G	RISHIRAJ RAJKHOWA
1294	2019B5A30853G	MS. ANUPAMA SHARMA
1295	2019B5A30888G	SANSKRITI AGARWAL
1296	2019B5A30895G	DEVANSH SHARMA
1297	2019B5A30901G	ARYAN GUPTA
1298	2019B5A31038G	PATIL YASHRAJ DEEPAK
1299	2019B5A40232G	SAURABH KALRA
1300	2019B5A40453G	SAKSHAM MIDHA
1301	2019B5A40497G	ACCHYUT JOLLY
1302	2019B5A40617G	N KARTHIKEYA KOUSHIK
1303	2019B5A40792G	VANAMA BHASKARA SAI RUPESH
1304	2019B5A40809G	PAUL JACOB
1305	2019B5A40852G	SHINDE GAURAV RAJENDRA
1306	2019B5A40903G	ANAND PRATAP SINGH
1307	2019B5A40905G	ANKIT ANAND
1308	2019B5A41039G	ARYAN RITESH NIGAM
1309	2019B5A41042G	ASHISH KUMAR SINHA
1310	2019B5A70261G	ADITI SETHI
1311	2019B5A70275G	LAKSHYA GUPTA
1312	2019B5A70317G	KULKARNI DARSHAN VINAYAK
1313	2019B5A70411G	SNEHASISH KUMAR SHARMAH THAKUR
1314	2019B5A70420G	SHAH NEIL JAYESH
1315	2019B5A70638G	NARESH CHAVAN
1316	2019B5A70640G	ASTITVA SEHGAL
1317	2019B5A70641G	GUPTA DEVESH PRAVEENKUMAR
1318	2019B5A70652G	YASHEE SINHA
1319	2019B5A70706G	NIRMAN BHARTI
1320	2019B5A70720G	SIDHANT CHOUDHARY
1321	2019B5A70742G	VIVEK SUBRAMANIAM R
1322	2019B5A70774G	PRATYUSH SINGH
1323	2019B5A70786G	KAVISH PRAKASH SANGANERIA
1324	2019B5A70818G	PRANAV ARVIND BHILE
1325	2019B5A71110G	ADITYA AGARWAL
1326	2019B5A80258G	ARINDAM BANDI

# Oath

*“On this solemn occasion, convocation 2024 at Goa, and in the presence of my teachers and family, I pledge to use my knowledge and experience gained at BITS Pilani K K Birla Goa Campus 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, honest and devotion, and thereby bring glory to my family, my Alma mater, my profession and my county”.*

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