

Making Your Mark at BITS Pilani

Funding Opportunities at BITS Pilani

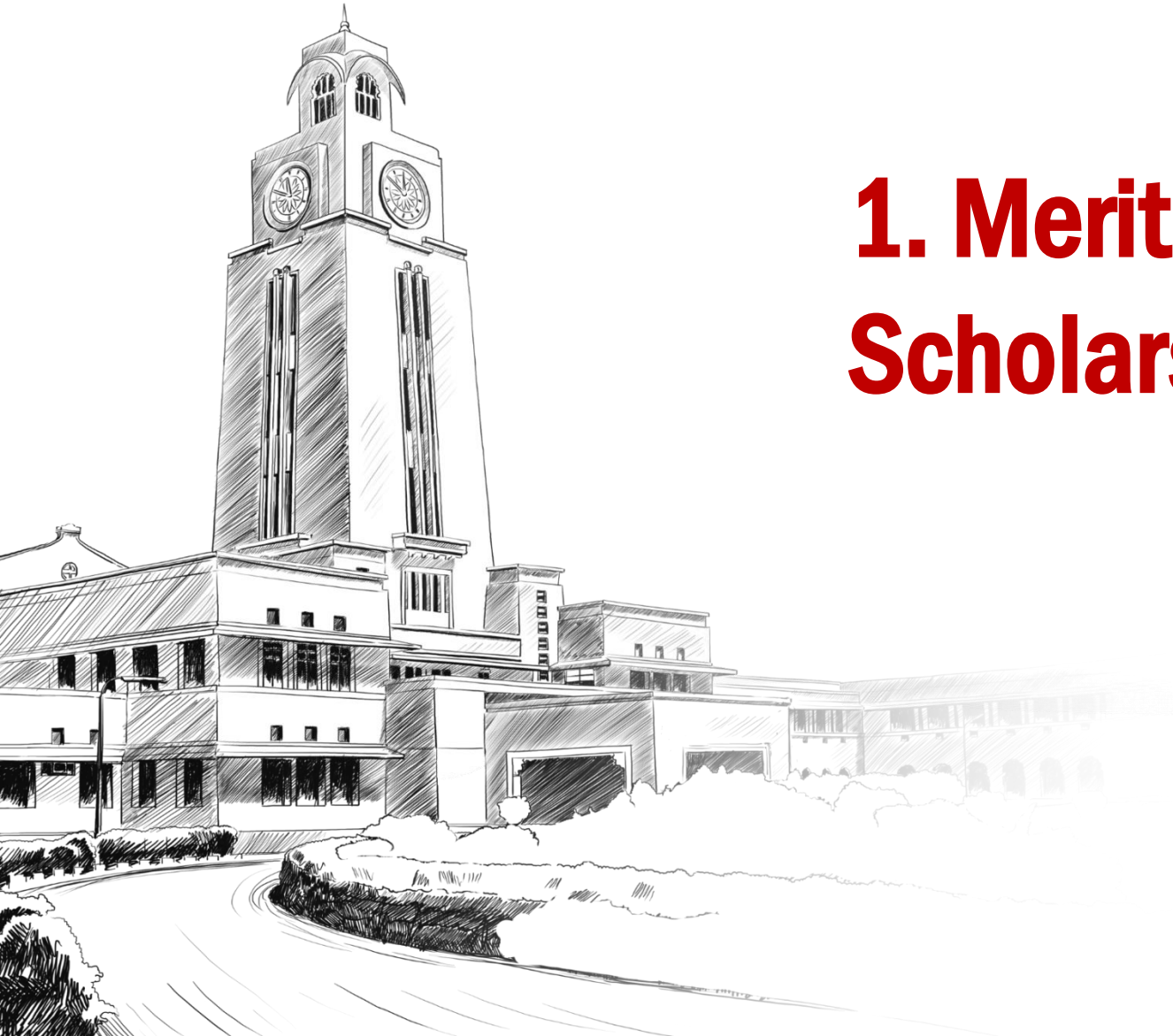




Help BITS Transform

Contribute with Significant Philanthropy

1. **Creating Equitable Opportunities** for BITS Education through First Degree Scholarships for Girl Candidates
2. Development of **Deep Tech Entrepreneurship** through PhD DRIVE
3. **Healthy Living for Pilani Community** through Sewage Treatment Plant (STP) at Vidya Vihar Nagar Palika
4. **Excellence Award** for Women Faculty
5. Support Construction of the **State-of-the-Art Convention Centre** at Pilani



1. Merit-Cum-Needs Scholarship for Girls





Merit & Merit-Cum-Needs Scholarships

Merit

- Open for all students
- Provided to 3% students at the top of their class
- Provided at 2 levels -
 - 1% students get 100% fee
 - 2% students gets 40% waiver

Merit-Cum-Needs

- Open only for students who have financial difficulty
- Provided to 27% meritorious students at 5 levels
 - 3% students get 80% waiver
 - 6% students gets 40% waiver
 - 12% students get 25% waiver
 - 6% students get 15% waiver
 - Select Alumni Funded Scholarships are provided at 100%

Women Scholarships

Why Support Scholarships?

A. Diversity Perspective

- Women form only ~ 16% of the total First Degree Student population
- Only 10% students get scholarships at 80%tuition fee level under Merit Cum Needs (average over last 5 years)
- Current Tuition Fee is Rs. 4.92 Lacs, which may be high for women from families with financial difficulty

IMPACT: A scholarship for girl students will improve female representation in the batch.

B. Ranking Perspective

In NIRF Rankings, we have the following parameters pertaining to Scholarships

B. Percentage of Women (Women Diversity WD): 30 marks

- $WD = 15 \times (N_{WS}/50) + 15 \times (N_{WF}/20)$
- N_{WS} are the percentage of Women students.
- N_{WF} are the percentage of Women Faculty including women members in senior administrative positions, such as Heads of Departments, Deans or Institute Heads.
- Expectation: 50% women students and 20% women faculty.

C. Economically and Socially Challenged Students (ESCS) : 20 marks

- $ESCS = 20 \times f(N_{esc})$
- N_{esc} is the percentage of UG or *PG students being provided full tuition fee reimbursement by the institution to pursue their degree programs.

Total Marks: 100, out of which 30 marks for gender diversity and 20 marks for full tuition fee scholarships

IMPACT: A scholarship that can immediately target point B

Women Scholarships

Proposed Budget – For 1 Female Student

**The Tuition amount for a 4 year program admitted in AY 2023-24 is
~Rs. 23 Lacs.**

- **To Cover 100% Scholarship amount for 1 student through an Endowment* (interest), we would require an amount of Rs. 75 Lacs.**
- **You will have an option of donating 20 Lacs **one time, for 1 student** in reducing capital mode.**

*The fund may be replenished once the interest is unable to meet the fee requirement, or the principal may be used to fund the scholarships

Note;

1. Actual interest rate for Fixed Deposit may vary at the time of investment. Current interest rate is at 7% per annum
2. Fee is subject to increase in future. The fee depicted is an average figure for illustration purpose only.

Select Testimonials

Malavika Ramesh

(Recipient of 1993 Batch 100% Girls Scholarships)



Hails from Calicut, Kerala

Class XII Board exams scored 100%. Board Topper

“I want to become an engineer because that way I can change the world and make my mark on it.”

I chose to study at BITS because the institute adapts faster to changes in the education sector than IITs or any other engineering college in India, and falls under the top-tier engineering colleges in the country.

Rishika Jain

(Recipient of 1986 Batch 100% Scholarships)



Rishika graduated with 100% scholarships in all semesters and she is currently working with Goldman Sachs as an Analyst



2. PhD DRIVE Fellowships





PhD DRIVE Overview

Vision

BITS Pilani would be the forerunner in deep science and technology ventures by PhD scholars

Mission

BITS Pilani shall create 100 deep-tech ventures founded/co-founded by PhD graduates by 2030

Objectives

- **Create ventures in cross disciplinary areas solving society's biggest challenges**
- **Create PhD output with high TRL (>5)**
- **Strengthen overall IP based entrepreneurial ecosystem**
- **Establish BITS' leadership in specific domain areas, India and worldwide**
- **Significantly increase the quality and quantity of research outcomes, both in Academic Research and Intellectual Property**
- **Promote a culture of collaboration through providing a platform for co-founder matching amongst PhD, Masters, and First Degree students**



Target for AY 2023-24

Students to be admitted in the following Centre of Excellences and Labs (not an exhaustive list) in the founder track:

- **Anuradha and Prashanth Palakurthi Centre for Artificial Intelligence Research (APPCAIR)**
- **Centre for Research Excellence in Semiconductor Technologies (CREST)**
- **Centre for Renewable Energy and Environment Development**
- **Centre for Material Science & Technology**
- **Centre for Human Disease Research**
- **MEMS and Microfluidics Lab**
- **Additive Manufacturing and Industry 4.0 Lab**
- **Any other relevant Centre of Excellences and Labs**

PhD DRIVE Fellowships

Proposed Budget – For 1 Scholar

The Fellowship amount for a 4 year program admitted in AY 2023-24 is ~Rs. 37 Lacs.

- **To Cover Fellowship amount for 1 student through an Endowment* (interest), we would require an amount of Rs. 1.1 Cr.**
- **You have an option of donating 32 Lacs one time, for 1 student in reducing capital mode.**

*The fund may be replenished once the interest is unable to meet the fee requirement, or the principal may be used to fund the fellowships

Note;

1. Actual interest rate for Fixed Deposit may vary at the time of investment. Current interest rate is at 7% per annum
2. Fellowship is subject to increase in future as per govt. of India guidelines.



What the World Thinks About PhD DRIVE?

V. Ramgopal Rao, Ph.D. @ramgopal_rao · Aug 18
 BITS Pilani does it again. This time with an innovation in the #PhD programmes. The question we asked ourselves is, why should all PhD programmes in the country be to produce university #professors?

So we devised a new PhD Programme. A #PhD Programme for the #startup track,... [Show more](#)

preneurship.
 It will admit students with expertise in technology and science, having a clear intent to set up a start-up. The programme will include courses in entrepreneurship, incubation program, funding for building a solution or product, and access to BITS alumni network for further investments.
 V Ramgopal Rao, vice-chancellor, BITS Pilani, said, "The world requires our best

162 1,125 4,839 576.9K

Many Venture Capital firms, individuals and experts have reached out to us for being a part of this first of its kind initiative.

Principal solutions engineer- Ex -Intel, Samsung

TODAY

11:22 AM
 Hi Rao Sir
 Good morning!

11:40 AM
 after seeing you post #PHD programme into startup. I am thinking to leave my high paying job (60L/Year), and do something for my country my self Saurabh Shukla - working in cadence design system, EX -Intel, Samsung.

I am interested for below:
 (i) The second track will be to admit students who have an idea for a #deeptech startup and wish to execute their ideas using the resources and mentorship provided by #BITS #Pilani campuses.

3

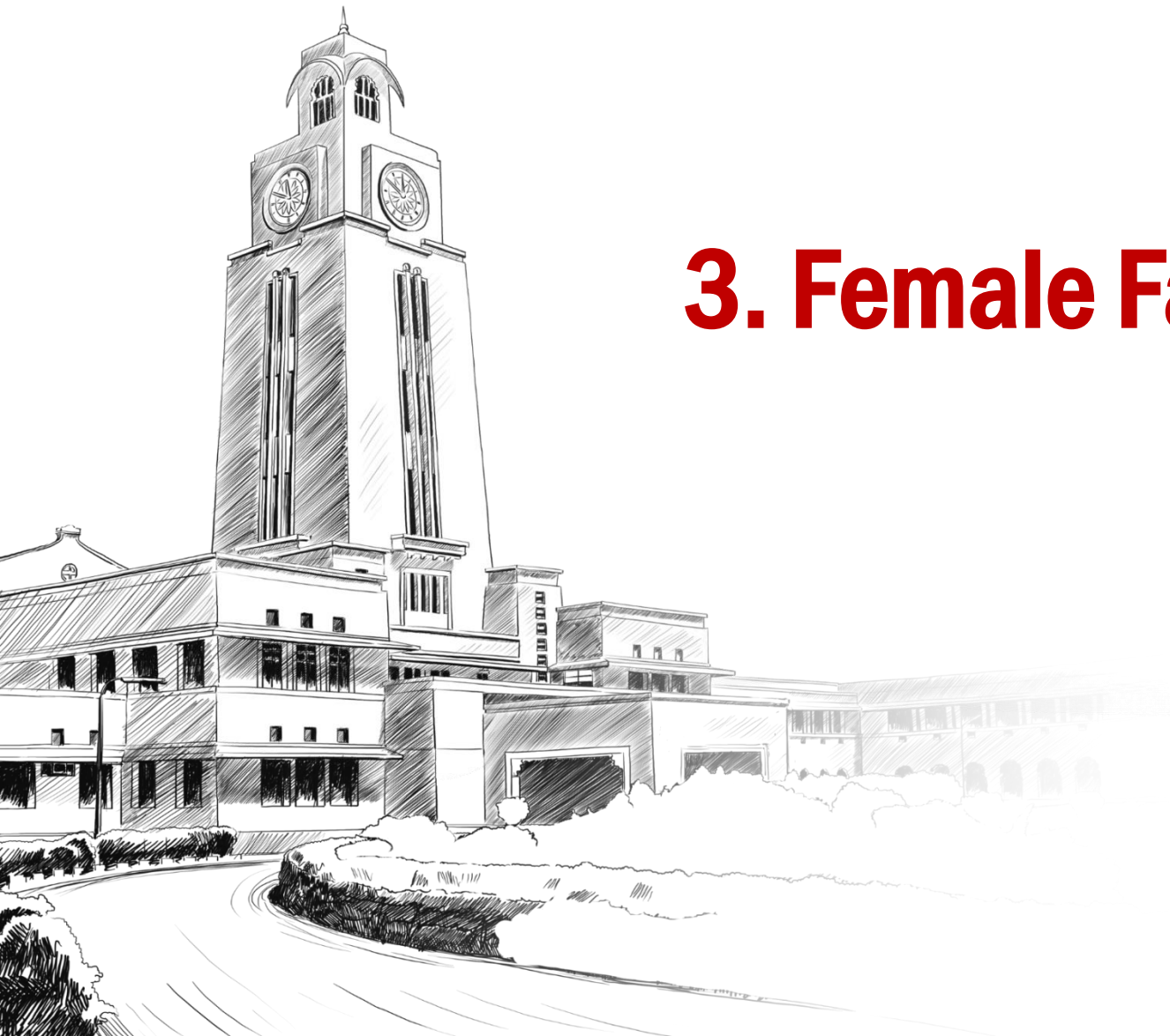
Prof. V Ramgopal Rao · 3:40 PM
 Please await admission notification from BITS. Will be released soon.

Dr. Girish Sapra (Ph.D.) (He/Him) · 1st
 Founder & CEO | Startup Mentor NITI Aayog | R&D Professional | Innovation ...
 1w (edited)

Prof. V Ramgopal Rao Wonderful initiative! This will prove to the World that Ph.D. is the best journey for Entrepreneurship. I am writing a book on the Entrepreneurship mindset development in school and college students. Is there any way with which entrepreneur with R&D experience can contribute to this ground level implementation of this novel initiative?



Half a million views and over 4K Likes on Prof. Rao's Tweet announcing the program



3. Female Faculty Award



Faculty Awards at BITS

Overview

Currently, there are 3 Faculty Awards at BITS, instituted by Alumni as follows:

- 1. Prof. S Venkateshwaran Best Faculty Award:** Given to 1 Faculty, a citation, and an award of Rs. 1 Lac every year. Set up by Karthik V of 1993 batch through a donation of the award amount every year
- 2. Dr. CR Mitra Best Faculty Award :** Given to 1 Faculty, a citation, and an award of Rs. 1 Lac every year. Set up by Prof. V S Rao, former vice-chancellor and Director of BITS Pilani, through a donation of the award amount every year
- 3. Prof. SSR Memorial Best Faculty Award:** Given to 1 Faculty, a citation, and an award of Rs. 1 Lac every year. Set up by N S Parthasarthy, 1978 Batch through and endowment of Rs. 25 Lacs

Faculty Awards at BITS

Assessment

Broadly, the awards committee look at the following criteria before making a decision:

- Innovation in Instruction (creative methods/courses which enhanced the students' understanding and learning)
- Contribution to Research
- Professional Achievement (publications, projects, committee membership etc.)
- Contributions to BITS Pilani (involvement in activities outside the classroom)
- Commitment to student success (success of students in his/her courses, involvement of students in his/her projects/publications)
- Contributions towards neighborhood societal development

Faculty Awards at BITS

Budget

We propose setting up an award exclusively for women faculty members at BITS. We recommend that it may be done as follows:

Donation Amount in Reducing Capital Mode: Rs. 32 Lacs

Award Amount: Rs. 2 Lacs

No. of Awards: 2

No. of Years your fund can award the Faculty: 10 Years

Total No. of Faculty Awarded: 20

Award could be on 1 young professor (Assistant or Associate level) and 1 seasoned professor (Prof. or Senior Prof. level) across BITS campuses



4. Sewage Treatment Plant at Pilani

Sewage Treatment Plant at Pilani Town



- Pilani is a small town, and a home to Birla Institute of Technology & Science. Close to 14,000 people live in this town, without a Sewage Treatment Plant (STP). Along with the local government, we propose setting up a nature based treatment system i.e. a vertical flow constructed wetlands for the treatment of Sewage that is generated in the city, and which currently flows through open nallahs, untreated.



- The solution has been designed by Prof. Srikanth Mutnuri, who has received grants for this solution from Bill and Melinda Gates Foundation and Biotechnology Industrial Research and Council, Government of India. The same solution has been installed at Bogmalo Beach, Goa and In BITS Pilani K.K. Birla Goa Campus.

The total cost of the Project is Rs. 4 Cr. or a similar amount in US Dollars. A scaled down version of this project would cost Rs. 1.5 – Rs. 2 Cr. The Municipality will acknowledge the naming and further maintenance.

Sewage Treatment Plant at Pilani Town



Representative Work of Prof. Srikanth:

Empowered septic tank plant - Hybrid of Vertical Flow Constructed wetland and Electrochemical system at BITS Pilani Goa Campus



Watch his interview here:

<https://www.youtube.com/watch?v=-RI6BZKuCGU>

Sewage Treatment Plant at Pilani Town



Representative Work of Prof. Srikanth:

Vertical Flow Constructed wetland based Wastewater treatment for Hegdewar School, Cujira, Goa





5. Piloni Convention Centre



Pilani Convention Centre - Overview



01

PROPOSAL

Build a state-of-the-art convention center with residential facilities at Pilani campus with Alumni Funding. It will have 92 rooms on 5-levels, with modern outlook and amenities

02

WHY PILANI CONVENTION CENTRE?

At present, BITS is constrained by lack of modern convention centre and residential facilities to host large number of visitors, and thus unable to host large conferences

03

UTILITY AND USAGE

Can host multiple conferences, development programs and alumni reunions, thus building the brand and additional revenue stream.

04

CURRENT PROJECT STAGE

Architect Hafeez Contractor is preparing the structural design, post which necessary regulatory approvals shall be sought; Total Project Cost Estimate: ~ Rs.30 Cr.

About the Facilities – Pilani Convention Centre

Pilani Convention Centre: Would be a 92 room facility with a conference room and a dining area. It would be used for hosting alumni reunions, conferences, and executive training programs. Total area would be ~55,000 Sq. ft.

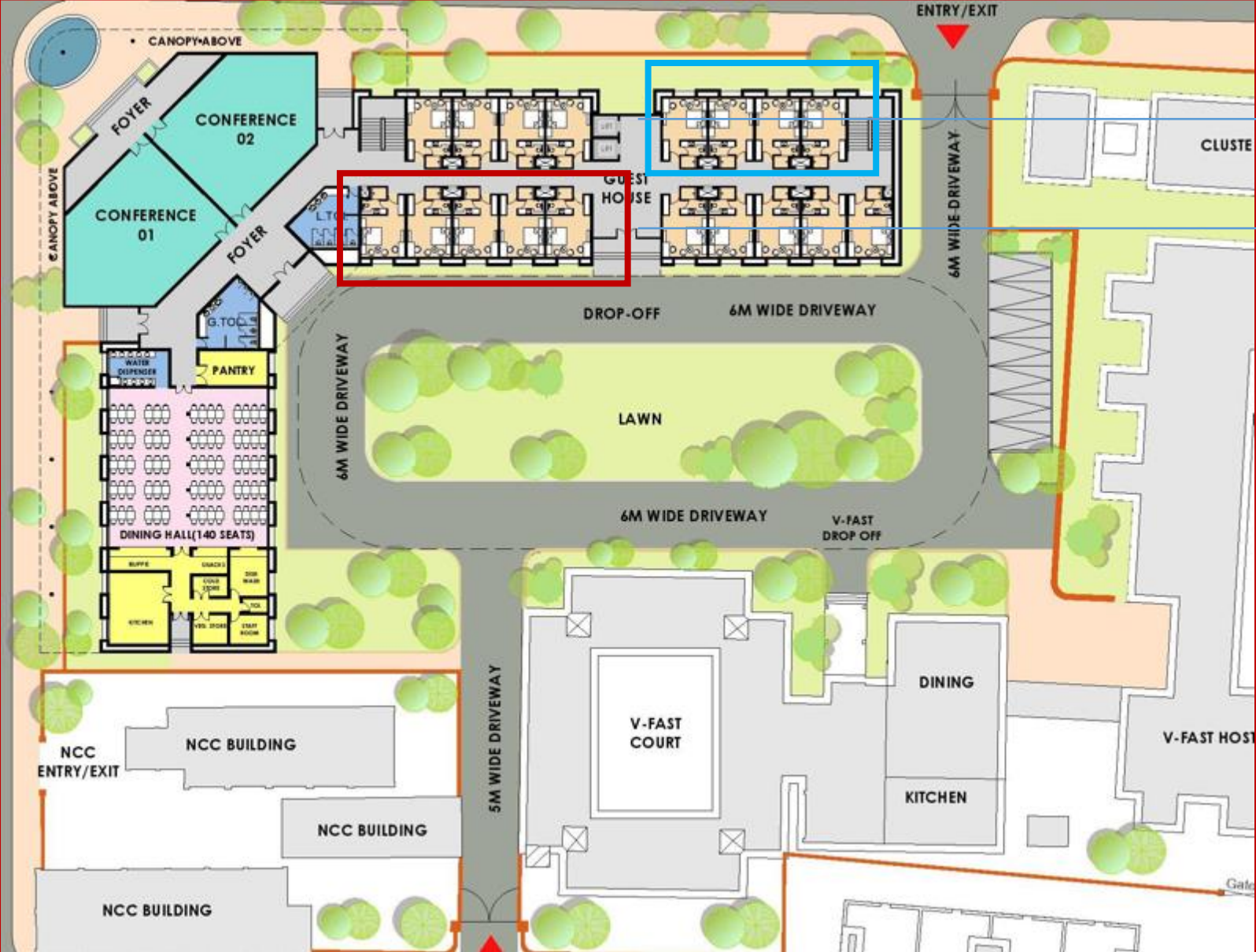
There will be 3 blocks in the Pilani Convention Centre:

- Conference Room and Dining Areas (2 Level)
- Residential Building 1 (G+4 Levels): 46 rooms (~9 Rooms per floor – with two wings of 4 and 5 rooms)
- Residential Building 2 (G+4 Levels): 46 rooms (~9 Rooms per floor – with two wings of 4 and 5 rooms)

Pilani Convention Centre – Residential Centre



Pilani Convention Centre - Wings



- 4 Rooms Wing
(2 wings per floor)
- 5 Rooms Wing
(2 wings per floor)

Pilani Convention Centre – Funding Options

New Guest House to be built entirely from alumni support. Alumni may choose to support from the following options

- **Single Room: Rs. 15 Lacs**
- **A Wing of 4 Rooms: Rs. 45 Lacs**
- **A Wing of 5 Rooms: Rs. 60 Lacs**
- **A Floor: Rs. 1 Cr.**
- **A Residential Block: Rs. 4 Cr.**
- **Custom Donation for any element of the Convention Centre is also possible.**



Benefits on Your Contribution

In addition to the contributions fueling the growth of the institution, alumni can avail the following benefits:



100% tax deduction in India (under 80G), Canada and applicable tax benefits in the United States (through BITSAA International)

Appropriate naming rights and branding opportunity as per applicable policies and guidelines

Mention in relevant documents (such as student bulletin), Annual Reports and BITS Social

Talk to us for more details...

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