



INDIAN INSTITUTE OF INFORMATION TECHNOLOGY  
GUWAHATI

P R E S E N T S

5<sup>TH</sup>  
EDITION  
JUN-JUL' 17



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# Herald

Student's Newsletter

*A Reader's Paradise*

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Student's Newsletter of Indian Institute of Information Technology Guwahati

Gopinath Bordoloi (G.N.B.) Road, Ambari, Guwahati - 781001

Contact Us: +91-361-2132460 / 2630015

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# PERMANENT CAMPUS



SHOBHIT BHATNAGAR

● ONLINE



Administration Block



Boys' Hostel



It is a matter of great pride that of all the 20 IIIT's set up by the government of India under the PPP model, IIIT Guwahati will be one of the first to shift to its permanent campus. About 60% of the construction is already over, and it is expected to be completed within the next few months. The authorities are trying that by early 2018, the shifting takes place. IIITG's permanent campus, which is just 4km from the LGBI International Airport, is around 70 acres of land, 60% of which will remain as green cover. The campus is also well-connected by other means of transport as the Railroad and National Highway are also in proximity. At present four major buildings are being constructed viz. the academic-cum-administrative-complex, the boys' hostel having capacity of 400 people, the girls' hostel having capacity of 100 people and 48 flats for faculty residences in two blocks. All the buildings will have the latest network facilities, with high speed internet/Wifi enabled. Apart from these, an electrical substation building, a water treatment plant and four STPs (sewage treatment plants) are also under construction. The IIITG campus promises to be a unique and eco-friendly state-of-the-art institutional area, strategically located adjacent to the IT park proposed by the Govt. of Assam. This will definitely serve as a huge advantage for the institute. The campus will harbour all modern basic amenities needed for a world class academic and IT research environment. IIITG believes in providing holistic, all-round development to its students. It also realizes that a healthy mind demands a healthy body. Therefore, apart from having state-of-the-art infrastructure for academic research, the campus also boasts of a myriad of sports and recreational facilities. A sports field of size 100m x 60m (earth filling for which has already been done), along with provisions for indoor badminton, a volleyball ground, as well as outdoor lawn for tennis, basket ball, squash, and also a gym, are all being constructed for the students and faculty.



Faculty Quarters



Girls' Hostel

IIITG HERALD THANKS SHRI PALLAV BARUAH (EXECUTIVE ENGINEER, IIITG) AND SHRI DINAMONI BORAH (JUNIOR SUPERINTENDENT, IIITG) FOR THEIR INPUTS.

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# A NEW BEGINNING

- Kaustav Goswami



Maybe some things have only beginnings and a 'definitive' end, well that's something saved for you to find out. Think it like where am I? All those feeling that you're down the rabbit hole, well let me tell you, you're right. Maybe you're feeling a bit dizzy lately that "Engineering might not be "my cup of tea" but let me assure you, you'll be someone different when you're done here. So, if you can then you'll like to save your progress here, else there is no point of returning. Others who dreamt of becoming engineers, welcome abroad.



**KAUSTAV GOSWAMI**  
ONLINE

Things will take a sharp turn once your freshers would be over. You'll be able to work directly with your seniors. It's probably one of the biggest features of this institute. You'll be participating in discussions – work related, studies or even fun stuff, you'll figure those out eventually. It's worth mentioning that we did those things too. Collaboration is something that will help you for these years. After all you people will become engineers one day. Pick up small tasks initially, as is the fact that you're 'noobs' in the beginning, so were we.



First of all, let's get the basics. Welcome to Indian Institute of Information Technology Guwahati. We are glad to have you all here. For the next four years, you will be a part of the family. You are currently led by our respected director sir, Prof. Gautam Barua. You'll be tagged 'juniors' till your freshers, so were we, but after that, you'll be same as anyone else in the institute. Initially you'll be gathered around Shine Heaven Hostel Apartments, hopefully this would be the last semester not in the permanent campus. Your schedule will begin by wakeup at not late than seven thirty as you've got a bus to catch. Your semester would be fun, if you think it'll be fun. There would be things which would be little over the head or, really don't know what to say here. But of course, you'll get it once you pick up the pace

You'll become 'pro' one day but till that day you need to build your own self. Here is a thing worth mentioning, as we were told the same that our institution is new, so you need to work hard in your field of interest to achieve the dreams you've dreamt. As you do it you'll become more experienced and thus it will be your pass to a bigger gate.

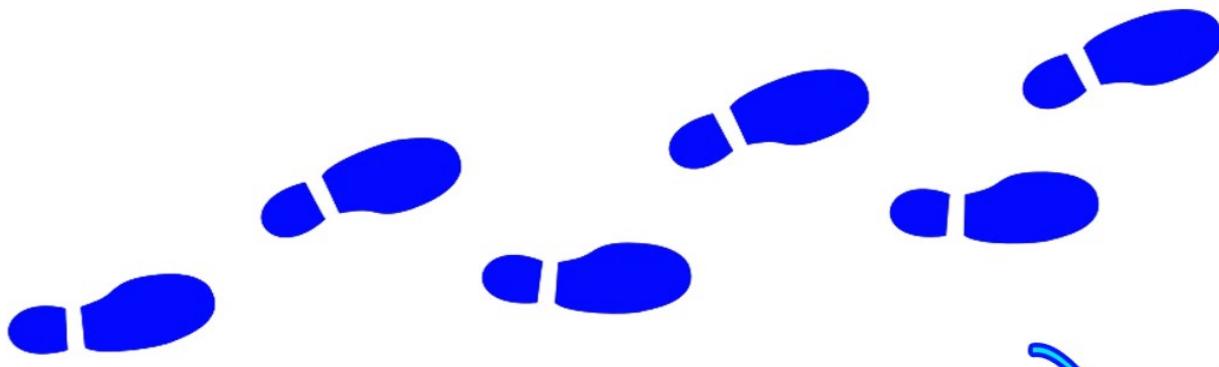
**CONT'D. -**



For fun, you'll have 'plenty' of options. Join clubs, the active ones of course. Build or do things, be it programs, applications, design, electronics or even cultural activities like music, singing or dance. Do it in clubs, groups or even go solo. Play sports, as you'll be able to go to OIL field on weekends. If you're more indoors then play video games, or pick up table tennis, carom, chess or if you have absolutely nothing to do then watch T.V. Also, these activities, except the last maybe, are events in our yearly cultural fest – 'Yuvaan'. For those who don't know, it is our yearly cultural cum technical fest held in Winter Semester, and you're on the Monsoon Semester. We're expanding it too. And if you play as the best in class then you might get selected to represent IIITG in Inter IIIT Sports Meet, a yearly event. As is the tradition, you'll complain about your mess, I mean everyone does, we did, our seniors did, our friends from other institutions did, probably your friends will or are doing do it too. But remember, you'll have to eat. You've simply slim chances otherwise or alternative. If you're more inclined on work related stuff, pick up coding as your hobby.



People say that at engineering colleges, their life began, and is very much true. Whatever you do today will be based on your interest and, once you follow your interest, you'll enjoy what you do. Thus, it commences a long journey ahead. Don't forget your friends, as they have begun their journey beside you. And this friendship shall last long, long enough till a point which is not appreciated by many. Always remember that your institution is young and you are the initial building blocks of it. Make yourself proud, make your professors proud, make your institution proud. Welcome to the family, welcome to IIIT-G.



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# YOGA DAY 2 K I 7



Yoga is not just about the practice of Asanas but a way of life and following this, IIITG celebrated its 3rd International Yoga Day on 21 June 2017, with much enthusiasm and fanfare. The event started with a session of practice of some basic Yogasanas to keep the body and mind fresh. The yoga session was conducted by resource persons of Vivekananda Kendra Institute of Culture (VKIC), Guwahati. It was followed by a short fun-game where every attendant participated and enjoyed thoroughly. Finally, a lecture based on the importance and real meaning of Yoga



**SOURISH DHEKANE**  
ONLINE

enlightened all the participants. The event was blessed by the presence of the Director of the institute Prof. Gautam Barua, the Registrar Dr. Brajendra Nath Raychoudhury along with members of faculty/staff, B.Tech and PhD students. This event depicted that IIITG aims to achieve academic as well as spiritual excellence through the path of Yoga.



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# INTERVIEW

Dr. BIDISHA DASGUPTA

ASSISTANT PROFESSOR AND HEAD;

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING (ECE)

- NILOTPOLA SARMA



NILOTPOLA SARMA  
typing..

**Q. What is your favorite thing about being an Assistant Professor at IIITG?**

I deeply enjoy teaching different subjects and working with students on different topics of my research interest.

**Q. How did you get interested in the field of Electronics and Communication Engineering?**

I was introduced to 'Electronics' during my undergraduate studies. While studying Solid State Physics, Quantum Physics/ Mechanics and Statistical Physics, I got interested in the behavior of the Solid State family. The semiconductor devices, their circuit level implementation and especially the hands-on experiments in the laboratory always attracted me. More exposure and insight into the diverse areas, like VLSI, circuit and devices, different areas of communication (mobile, satellite, optical, radar), RF microwave etc., and I developed more passion towards this subject. Electronics is an integral part of our daily life starting from our household appliances to advanced technological applications. So, I feel that if we want to explore the technology world around us, we must study Electronics.

**Q. What inspired you to be a teacher?**

I remember my schooldays when I was very young and started going to my preprimary school. After returning home from school every day, I used to start my own school with a chalk, a piece of cloth and the door panel (as blackboard) to teach some imaginary students. The same technique I had adopted later on for self-realization of some critical topic in any subject. Also I got inspired from my family and many passionate teachers. All these helped me choose my career option. I was so passionate about teaching that I started my career as a teacher. This profession gives me the opportunity to nurture young minds with immense satisfaction.

**Q. As a woman in the field of engineering and science what advice would you give to women worried about finding their place in engineering?**

In the 21st century, women have been able to conquer different frontiers of science and technology including space visits. So if you have passion and determination, you can overcome any hurdle and reach the goal.



BIDISHA DASGUPTA  
ONLINE

**Q. Do you have any word of advice for your prospective or current students?**

I have realized that the first 25 years of our life form the founding blocks for the rest of our life. In this context, I would like to quote Swami Vivekananda: "Education is the manifestation of the perfection already in man" ..... All the power is within you; you can do anything and everything, believe in that; do not believe that you are weak, stand up and express the divinity within you" ..... You have to grow from the inside out. Nobody can teach you, nobody can make you spiritual. There is no other teacher but your own soul". This is my message for

**Q. You have been a part of IIITG since its initial days. What kind of future do you see for the Institute?**

IIITG is a new institute and it is only 4 years old. Within this short span of 4 years, it has created its own identity among the technical institutions. However, we should not be complacent because we have miles to go!

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# INTERVIEW

ANAMIYA BHATTACHARYA  
ONLINE



Anamiya Bhattacharya is a PhD in the Department of ECE. He was the first General Secretary of Welfare Board of the Students' Gymkhana. He has now joined as 'SC' at ISRO



Palak Kapoor

**Are you enjoying the working environment of ISRO?**

Anamiya BhattaCharya

Yes, I am enjoying the working environment of ISRO.



Palak Kapoor

**Would you like to tell something about what are you doing at ISRO?**

Anamiya BhattaCharya

Actually I have been allotted in one project where I have to do measurements of various kind and I have to analyze the test results using MATLAB.



Palak Kapoor

**How has IIITG impacted your life?**

Anamiya BhattaCharya

I had taken admission in May, 2015 in IIITG as a full-time PhD scholar. The Professors are very good in IIITG and they are very helpful and student friendly. The Mess facilities and Hostel facilities are also good. Perspective Lecture Series is one of the interesting sessions where students can get idea about interdisciplinary topics. I recommend every B.Tech students for



Palak Kapoor

**Last year you were the part of the Gymkhana team. Would you like to suggest any changes in the election procedure**

Anamiya BhattaCharya

No, the procedure is all right. However the team members have to be more active during decision making and they should work together.



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ANAMIYA BHATTACHARYA  
● ONLINE



Palak Kapoor

Any tips for the students who want to get into ISRO.



Anamiya Bhattacharya

Doing work in ISRO is a dream for everyone where they can visualize the practical implementation of theoretical knowledge. I am doing work in Space Applications Centre (SAC) of ISRO, Ahmedabad.

### Overview of the Centre

Space Applications Centre (SAC), is a major research and development centre of the Indian Space Research Organisation (ISRO). It plays a key role in realizing vision and mission of ISRO. Located at Ahmedabad, SAC is spread across two campuses having multi-disciplinary activities. The core competence of the centre lies in development of space borne and air borne instruments/payloads and their applications for national development and societal benefits. These applications are in diverse areas and primarily meet the communication, navigation and remote sensing needs of the country. Besides these, the centre also contributes significantly in scientific and planetary missions of ISRO like Chandrayan-I, Mars Orbiter Mission etc. The facilities at SAC includes highly sophisticated payload integration laboratories, electronic and mechanical fabrication facilities, environmental test facilities, systems reliability/assurance group, image processing and analysis facilities, project management support group and a well-stocked library. SAC has active collaborations with industry, academia, national and international institutes for research and development. The centre also has state-of-art in-house and mobile exhibitions to propagate space technology and applications amongst students and public.



Palak Kapoor

Have you left PhD or you are still continuing it?

Anamiya Bhattacharya

No, I am continuing PhD as a Part Time.



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# INTERVIEW



ANAMIYA BHATTACHARYA

ONLINE



Palak Kapoor

Any memory you want to share with us when you were in IIITG.

Anamiya Bhattacharya

I was in IIITG for 2 years as a regular PhD student where I got opportunity of interactions with high profile Professors. Right now I am continuing my PhD as a part-time as I had joined SAC-ISRO in March, 2017. My supervisor is Dr. Bidisha Dasgupta. She is always supportive and an inspiration to me. I would like to convey my sincere thanks to Director Sir, Registrar Sir and all Professors who are directly and indirectly involved for my success. I had also enjoyed being GS of Welfare board during my stay at IIITG Hostel.



Palak Kapoor

Lastly, what would you like to say to the students through IIITG Herald?

Anamiya Bhattacharya

For achieving anything you should have sharp vision of doing something new and different from others. You should have high ambition in life from the starting of your career. Last but not least you should keep faith in Lord Krishna and remember :-

**"Take Krishna as your Supreme Protector and Krishna will help you in all respects".**

From Srila Prabhupada's letter, Bombay 30 April, 1974.  
Hare Krishna and all the best for your future.



Is sky the limit?

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## Team HERALD

