

ANNUAL REPORT 2014▶2015



INDIAN INSTITUTE OF INFORMATION TECHNOLOGY GUWAHATI



ANNUAL REPORT
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1. INTRODUCTION

The Institute was established as a Society in 2013 and the first batch of students were admitted in August 2013, classes commenced on August 26 2013. The Institute has been established in not-for-profit public-private partnership (NP-PPP) mode. The Central Govt. is to contribute 57.5% of the capital expenditure, the Assam State Govt, 35%, and industry partners 7.5%. An MOU among the Stake holders and Rules of the Society, govern the functioning of the Institute.

The second batch of UG students joined the Institute in August 2014. A PhD programme was started in January 2015. Faculty and Staff recruitments took place during the year. There were 118 UG students and 5 PhD students as of March 31 2015.

Classes and the office continued to function from two floors of a building in the campus of the Assam Textile Institute, GNB Road, Guwahati.

Students and faculty stayed in hired flats in Shine Heavean Flat Complex, Baghorbori, Guwahati. 32 flats were taken on lease in the complex.

70 acres of land in Sontola, Guwahati, about 4 km from the airport was handed over to the Institute on October 30 2014.

M/S Hindustan Prefab Ltd, New Delhi were appointed, on nomination basis, as the Project Management Consultants. M/S Mriduanjali Ltd, Noida, were appointed the architects for the first phase of construction through a tendering process.

2. THE STATE STEERING COMMITTEE

The State Steering Committee oversaw the affairs of the Institute and provided assistance to facilitate action from the State Government on matters concerning the Institute. The following were the members of the State Steering Committee in 2014-15:

1.	Shri Tarun Gogoi Hon'ble Chief Minister, Assam	Chairman
2.	Mr. S. Ramadorai Chairman, National Skill Development Agency, Finance Dept., Govt. of India	Vice Chairman
3.	Dr. Himanta Biswa Sarma Hon'ble Minister for Education Department, Govt. of Assam	Member
4.	Chief Secretary Govt. of Assam	Member
5.	Shri Ranjit Barthakur Advisor (Investment) to the Hon'ble Chief Minister of Assam	Member

6.	Additional Chief Secretary Revenue & Disaster Management Govt. of Assam	Member
7.	Additional Chief Secretary Finance Department Govt. of Assam	Member
8.	Additional Chief Secretary Power Department Govt. of Assam	Member
9.	Principal Secretary Planning & Development Govt. of Assam	Member
10.	Principal Secretary Information Technology Department Govt. of Assam	Member
11.	Commissioner & Secretary Finance EC(III) Department, Govt. of Assam	Member
12.	Commissioner & Secretary Education (Higher/Technical) Department, Govt. of Assam	Member Convenor
13.	Commissioner & Secretary PWD (Buildings), Govt. of Assam	Member
14.	Commissioner & Secretary PWD (Roads), Govt. of Assam	Member
15.	Managing Director Assam Electronics Development Corporation Ltd. (AMTRON), Govt. of Assam	Member Co-Convenor and Ex-Officio Secretary
16.	Director, IIT Guwahati, Representative of Govt. of India, Ministry of HRD, New Delhi	Member
17.	Deputy Commissioners of Kamrup & Kamrup (Metro)	Member
18.	Prof. Rajeev Sangal Director, IIT, BHU	Member
19.	Prof. M.S. Ananth Ex-Director, IIT, Chennai	Member
20.	Shri O.P. Bhatt Ex-Chairman, State Bank of India	Member
21.	Dr. Devi Shetty Chairman, Narayana Hrudalaya Private Limited, Bangalore	Member
22.	Shri Madhavan Nambiar Former Secretary to Govt. of India, Ministry of Civil Aviation	Member
23.	Prof. Satish Tripathi President, University of Buffalo, State University of New York	Member
24.	Representative of the Industry Partners	Member
25.	Director Technical Education, Govt. of Assam	Member
26.	Director, IIIT Guwahati	Member

3. THE BOARD OF GOVERNORS

The following were members of the Board of Governors in 2014-15:

1. Mr. S. Ramadorai, Chairman
2. Ms. Amita Sharma, Addl Secretary, MHRD (till September 2014); Mr. Amarjeet Sinha, Addl. Secretary, MHRD (from September 2014)
3. Mr. Subhash C. Das, Addl Chief Secretary, Dept. of Higher Education, Govt. of Assam (till November 2014); Mr. Rajiv Bora, Principal Secretary, Dept. of Higher Education, Govt. of Assam (from November 2014)
4. Prof. Gautam Biswas, Director IIT Guwahati
5. Prof. A Srinivasan, Dean, IIT Guwahati (till November 2014); Prof. Subhash Mishra, Dean, IIT Guwahati (from November 2014)
6. Prof. Anjan Dutta, Dean, IIT Guwahati; Prof. Debabrata Chakraborty Dean, IIT Guwahati (from November 2014)
7. Mr. Varun Sharma, Oil India Ltd (from September 2014)
8. Dr. K. Kesavasamy, TCS Ltd, (from September 2014)
9. Mr. Hemant Kanoria, Srei Infrastructure Finance Ltd (from September 2014)
10. Prof. Dhruva Saikia, Vice Chancellor Cotton State University
11. Prof. N. Deshpande, Director, NIT Silchar
12. Prof. Gautam Barua, Mentor Director, IIIT Guwahati, Secretary.

4. BUILDING AND WORKS COMMITTEE

The Building and Works Committee of the Institute was established by the Board in its fourth meeting held on February 23 2015. The members were as follows:

1. Mentor Director, Chairman
2. Mr. Amarjeet Sinha or his nominee, Additional Secretary, Govt of India
3. Mr. Rajiv Bora or his nominee, Principal Secretary, Govt. of Assam
4. Dr. K. Kesavasamy or his nominee
5. Prof. Anjan Dutta, Former Dean Institute Works, IIT Guwahati
6. Chief Engineer Buildings Assam State PWD, or his nominee
7. Dr. Ferdous Barbhuiya, IIIT Guwahati
8. Mr. Kamalasan Goswami, OSD, IIIT Guwahati
9. Executive Engineer, IIIT Guwahati, Secretary.

5. THE SENATE

The Senate of the Institute was constituted by the Board in its second meeting held on 18th August 2014. The composition was as follows:

The Director of the Institute (Chairman of the Senate)

All Faculty members at the level of Assistant Professors and higher. Prof. Vasudev Verma, IIIT Hyderabad

10. Prof. Ashwin Srinivasan, IIIT Delhi
11. Prof. M. G. P. Prasad, IIT Guwahati
12. Dr. Sugata Sanyal, TCS Mumbai
13. A faculty from Gauhati University to be appointed by the Director
14. A faculty from Cotton College State University to be appointed by the Director
15. Assistant Registrar in charge of Academics, Non Member Secretary.

6. STUDENT DETAILS

	Male	Female	General	OBC	SC	ST	Total
B.Tech CSE 2013	30	0	15	9	5	1	30
B.Tech ECE 2013	19	9	10	9	7	2	28
B.Tech CSE 2014	29	4	16	9	5	3	33
B.Tech ECE 2014	23	4	15	7	4	1	27
PhD 2014 CSE	5	0	0	0	0	0	5
PhD 2014 ECE	1	0	0	0	0	0	1
English	1	0	0	0	0	0	1
Total	108	17	56	34	21	7	125

7. FACULTY

The following were the faculty members as of March 31 2015:

1. Gautam Barua (on secondment from IIT Guwahati), CSE
2. Ferdous Ahmed Barbhuiya, CSE
3. Sandip Karmakar, CSE
4. Moumita Roy, CSE
5. Rakesh Matam, CSE
6. Bidisha Dasgupta, ECE
7. G. Aruna, ECE,



8. Sounak Roy, ECE
9. Anil Mahanta (Visiting: January 2015 onwards), ECE
10. J. Anuradha, Mathematics
11. Gautam Kalita, Mathematics
12. Suranjana Barua, English
13. Hari K. Choudhury, Economics

Lecturers:

1. Gitimoni Saikia (CSE)
2. L. Nirman Singh (CSE)
3. Sanjay Moulik (CSE)
4. Amarnath Yadav (ECE)
5. Mansoor Khan (ECE)

8. STAFF

The following were the staff as of March 31 2015:

1. Mr. Kamalasan Goswami, Officer on Special Duty (OSD)
2. Mr. Souvik Choudhury, Assistant Registrar (Admin)
3. Mr. Mriganka Dutta Saikia, Assistant Registrar (Finance and Accounts)
4. Mr. Pallav Baruah, Executive Engineer
5. Mr. Birabrata Seal Junior Technical Superintendent (JTS)
6. Mr. Prasenjit Deka, JTS
7. Mr. Kishore Kumar Das JTS
8. Mr. Hirak Jyoti Nath JTS
9. Mr. Manjit Bora, Junior Superintendent, on secondment from IIT Guwahati
10. Mr. Avishek Dutta, Junior Assistant, on secondment from IIT Guwahati
11. Mr. Pankaj Das, Junior Attendant, on secondment from IIT Guwahati
12. Ms. Sweetly Tamuli, Junior Superintendent
13. Mr. Bhaskarjyoti Bora, Junior Superintendent
14. Mr. Dinamoni Borah, Junior Superintendent
15. Mr. Churchill R Marak, Junior Superintendent
16. Mr. Navajit Kalita, Junior Superintendent
17. Mr. Nayanjyoti Baishya, Junior Superintendent.

9. RESEARCH AND DEVELOPMENT

The following Consultancy projects were undertaken in 2014-15 by IIIT Guwahati with Prof Gautam Barua as the Consultant:

1. Hewlett-Packard Lectures - ₹1.48 lakhs

2. Assam Govt. Finance Department Egov Unit – IT Consultancy – ₹5,000 for every two hours.
3. Assam Govt. Finance Department Commissioner of Taxes – IT Consultancy – ₹5,000 for every two hours.
4. National Insurance Academy, IT Consultant, ₹5,00,000.00 for two years.

The following papers were published with one of the authors giving IIIT Guwahati as his / her affiliation:

1. Rakesh Matam, Somanath Tripathy, Swathi Bhumireddy: Provably secure Peer-link establishment protocol for wireless mesh networks. ICACCI 2014: 1636-1642
2. Swati Singhal, Rakesh Matam, Nitin Rakesh, Storage vs Repair Bandwidth for Network Erasure Coding in Distributed Storage Systems” in International Conference on Soft Computing Techniques & Implementations (ICSTI 2015).
3. Neeru Chauhan, Nitin Rakesh, Rakesh Matam, Assessment of VM allocation and VM Placement Strategies, in CSI-2015.
4. M Mukherjee, P Kumar, R Matam, A PHY-layer framework of multirate transmission for ultra-dense networks in 5G Communications, Signal Processing, and their Applications (ICCSA), 2015
5. M Mukherjee, P Kumar, R Matam, A study on Non-contiguous Carrier Interferometry code for Cognitive Radio Communications, Signal Processing, and their Applications (ICCSA), 2015.
6. Mithun Mukherjee, Lei Shu, Vikas Kumar, Prashant Kumar, Rakesh Matam: Reduced out-of-band radiation-based filter optimization for UPMC systems in 5G. IWCMC 2015: 1150-1155
7. Mithun Mukherjee, Vikas Kumar, Gagnesh Kumar, Prashant Kumar, Rakesh Matam: Reduced Out-of-Band Radiation-Based Filter Optimization for UPMC Systems in 5G. VTC Spring 2015: 1-5
8. Moumita Roy, F. Melgani, A. Ghosh, E. Blanzieri, and S. Ghosh, Land-cover classification of remotely sensed images using compressive sensing having severe scarcity of labeled patterns, IEEE Geosciences and Remote Sensing Letters, vol. 12, no. 6, pp. 1257-1261, 2015.
9. G. Aruna, Performance analysis of MRC receiver with channel estimation error and co-channel interference in Nakagami-m fading channel, International Conference on Computational Intelligence and Computing Research (ICIC), December 2014.
10. Goswami, K. and Choudhury, H.K. , To grow or not to grow? Factors influencing the adoption of and continuation with Jatropa in North East India. Renewable Energy, 81, pp. 627 – 638, 2015.



10. CAMPUS

The Government of Assam handed over 200 bighas (about 70 acres) of land for the campus of the Institute in Bongora and Sontola villages in Kamrup (rural) district. The site is next to the proposed IT Park of the Govt. of Assam. It is about 4 km from the airport. The Master Plan for the campus was prepared by the Architect and it is enclosed at Appendix 1. Phase I of the construction plan envisages the following major buildings:

1. Academic-cum-Administration Building
2. 400 seater Boys' Hostel
3. 100 seater Girls' Hostel
4. 48 Faculty residence flats
5. Utilities – Electrical, Power, Sewerage.

Construction is planned to begin at the end of the monsoon season, in October – November 2015.



Mentor Director Prof. Gautam Barua inspecting land filling work at permanent campus site.

11. IIITG LIBRARY

The IIITG Library is stocked with a good number of books and online journals to cater to the needs of the students, research scholars, faculty members and all other staff.

The overall collections of IIITG Library are as given below-

Books : 411

CD/DVD : 13

Online Resources : a) IEEE – 170 journals, 2695 Conference Proceedings

b) ACM – 48 journals, 12 magazines, 1003 Conference Proceedings.



IIITG LIBRARY

12. SUMMARY OF ACCOUNTS

Summary of Annual Accounts 2014-15.

Item	Recurring	Non- Recurring
Balance B/F from FY 2013-14	21613313.00	264867.00
Expenditure 2014-15	32656403.00	20787096.00
Grant-in-Aid 2014-15	10000000.00	246500000.00
Balance carried over	NIL	225977771.00
Fees collected in 2014-15	11981225.00	-



APPENDICES

i). Appendix 1– Campus Master Plan





ii). Appendix 2– A summary of the Annual Accounts for 2014-15

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY GUWAHATI GUWAHATI, ASSAM

BALANCE SHEET AS AT 31ST MARCH 2015

(AMOUNT IN ₹)

	SCHEDULE	CURRENT PERIOD		PREVIOUS PERIOD	
SOURCES OF FUNDS					
DESIGNATED FUNDS	1		1,97,19,134.00		57,93,217.00
CAPITAL FUND	2		26,46,47,741.00		4,19,13,425.00
CURRENT LIABILITIES AND PROVISIONS	3		23,31,242.00		2,68,857.00
TOTAL			28,66,98,117.00		4,79,75,499.00
APPLICATION OF FUNDS					
FIXED ASSETS	4				
TANGIBLE ASSETS		3,03,29,990.00		1,96,81,133.00	
INTANGIBLE ASSETS		54,000.00		54,000.00	
CAPITAL WORK-IN-PROGRESS		26,56,536.00	3,30,40,526.00	-	1,97,35,133.00
INVESTMENTS - OTHERS	5		19,66,92,200.00		-
CURRENT ASSETS	6		4,96,67,243.00		2,75,30,449.00
LOANS, ADVANCES AND DEPOSITS	7		72,98,148.00		7,09,917.00
TOTAL			28,66,98,117.00		4,79,75,499.00
NOTES ON ACCOUNTS	16				

In terms of our separate report of even date.

For Indian Institute of Information Technology Guwahati

For M. Saquei & Co., Chartered Accountants
Firm Registration No.303126E

Reefat Saquei Partner
(Membership No.058118)

Mentor Director

Guwahati; 19th June, 2015



INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2015

(AMOUNT IN ₹)

	SCHEDULE	CURRENT PERIOD	PREVIOUS PERIOD
INCOME			
Grants and Donations	8	1,00,00,000.00	3,00,00,000.00
Other Incomes	9	-	1,21,067.00
TOTAL (A)		1,00,00,000.00	3,01,21,067.00
EXPENDITURE			
Staff Payments and Benefits	10	1,35,28,563.00	19,72,792.00
Academic Expenses	11	1,64,737.00	3,10,161.00
Administrative and General Expenses	12	92,99,130.00	41,78,240.00
Transportation Expenses	13	39,31,924.00	4,48,562.00
Repairs and Maintenance	14	32,70,913.00	11,76,820.00
Other Expenses	15	35,70,417.00	-
TOTAL (B)		3,37,65,684.00	80,86,575.00
Balance being excess of Income over Expenditure (A - B)		(2,37,65,684.00)	2,20,34,492.00
Transfer to / from Designated Fund		-	-
Balance being Surplus / (Deficit) carried over to Balance Sheet		(2,37,65,684.00)	2,20,34,492.00
NOTES ON ACCOUNTS	16		

In terms of our separate report of even date.

For Indian Institute of Information Technology Guwahati

For M. Saquei & Co.,
Chartered Accountants
Firm Registration No.303126E

Mentor Director

Reefat Saquei Partner
(Membership No.058118)

Guwahati; 19th June, 2015



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INDIAN INSTITUTE OF INFORMATION TECHNOLOGY GUWAHATI
GUWAHATI, ASSAM

RECEIPT AND PAYMENT ACCOUNT FOR THE PERIOD ENDED 31ST MARCH 2015

(AMOUNT IN ₹)

	SCHEDULE	CURRENT PERIOD	PREVIOUS PERIOD
RECEIPT			
Grants and Donations		25,65,00,000.00	5,00,00,000.00
Registration and Admission Fee		1,19,81,225.00	56,72,150.00
Other Income		900.00	1,21,067.00
Current Liabilities			
Deposit from Students		-	1,80,000.00
Statutory Liabilities		739.00	-
Other Current Liabilities		22,41,646.00	88,857.00
TOTAL		27,07,24,510.00	5,60,62,074.00
PAYMENT			
Staff Payments and Benefits		1,35,28,563.00	19,72,792.00
Academic Expenses		1,64,737.00	3,10,161.00
Administrative and General Expenses		92,99,130.00	41,78,240.00
Transportation Expenses		39,31,924.00	4,48,562.00
Repairs and Maintenance		32,70,913.00	11,76,820.00
Transfer to Designated Fund - R & D		49,387.00	-
Acquisition of Fixed Assets		1,68,75,810.00	1,97,35,133.00
Current Liabilities			
Deposit from Students		1,80,000.00	-
Investments			
In Term Deposits with Banks		19,66,92,200.00	-
Current Assets			
Receivables		2,76,555.00	80,000.00
Loans and Advances			
Advances Recoverable		44,28,974.00	5,84,667.00
Deposits		1,66,078.00	1,25,250.00
TOTAL		24,88,64,271.00	2,86,11,625.00
OPENING BALANCE		2,74,50,449.00	-
EXCESS OF RECEIPT OVER PAYMENT / (EXCESS OF PAYMENT OVER RECEIPT)		2,18,60,239.00	2,74,50,449.00
CLOSING BALANCE		4,93,10,688.00	2,74,50,449.00


In terms of our separate report of even date.

For Indian Institute of Information Technology Guwahati

For M. Saquei & Co., Chartered Accountants
Firm Registration No.303126E

Reefat Saquei Partner
(Membership No.058118)
Guwahati; 19th June, 2015

Mentor Director



Indian Institute of Information Technology Guwahati
Ambari, Gopinath Bordoloi (G.N.B.) Road
Guwahati-781001, India