

Annual Report 2019 - 20



**INDIAN INSTITUTE OF INFORMATION
TECHNOLOGY RANCHI**



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1. DIRECTOR'S MESSAGE



August 31, 2019 will be a landmark date for Indian Institute of Information Technology, Ranchi (IIIT Ranchi) as on this date it put its foothold in Ranchi and became geographically and administratively independent of its mentor Institute. All academic activities of Autumn Semester 2019-20 started in the interim campus at Science & Technology Campus, Namkum, Ranchi.

Getting started in the new campus was challenging. Nevertheless, with the support of students, faculty and few staff members everything got sorted out in stipulated time.

Initiatives were taken to appoint officers and supporting staff. With the approval of Governing Body, interviews were conducted as per RPN of IIITs. During the period September, 2019 to January, 2020, Registrar, Deputy Registrar, Assistant Registrar, Training Placement & Public Relation Officer, Assistant Executive Engineer (Civil), Junior Engineer (Electrical), Junior Engineer (Networking) and three Junior Assistants joined and are contributing positively in the progress of the Institute.

To build bondage with industry, Institute Industry Interaction – 2020 was organized in February, 2020 which had a positive effect in the training & placement scenario of the Institute. For the first batch of 32 students graduating, 28 offers were made with maximum annual package of 12.5 lakhs and average package of 6 lakhs.

The academic curriculum was fully followed and new laboratory experiments both on hardware and software were designed and engaged. The student activities were enhanced with establishment of student clubs catering to different interests of students. IIIT Ranchi participated in 'Inter IIIT Sports Meet' organized by IIITDM Jabalpur in the last week of February 2020. The institute won twenty nine medals and was adjudged third best team in athletics and table tennis (Girls).

In March, 2020, due to outbreak of COVID 19, pandemic, hostels were vacated and all academic activities went into online mode. The lectures were completed, Mid Semester & Laboratory Examinations was conducted using online portal. Final results were published in time for all semesters.

For 2 – 3 months the activities of the Institute got hampered due to the pandemic, but all efforts are being taken to complete all procedures related to academic, research, and infrastructure so that they can be immediately implemented once the lockdown phase is over.

(Vishnu Priye)
Director, IIIT Ranchi





2. Brief overview

2.1. Brief information of the Institute

Indian Institute of Information Technology Ranchi is an autonomous institute under The (PPP) ACT 2017, setup by the MHRD, Government of India, and Government of Jharkhand along with the industry partners Tata Motors, TCS and CCL on a Public Private Partnership.

The IIIT Ranchi is funded by Government of India (50%), Government of Jharkhand (35%) and Industry Partners (15%). The IIIT Ranchi is expected to meet operating expenses from tuition fees, grants, sponsorships and donations. Additionally, the Government of Jharkhand has lent support to the institute by granting land for setting up the Campus at Ranchi, Jharkhand. IIIT Ranchi is autonomous, not-for-profit, self-sustaining, teaching and research-led education Institution.

The institute is managed by professionals from the area of academics and research, under the guidance of a Board of Governors of the Institute that has representatives of participating Industry partners, eminent academicians & researchers and representatives from Government. IIIT Ranchi will focus on applied research and education in IT and in selected domain areas. IIIT Ranchi will contribute significantly to the global competitiveness of key sectors of the Indian economy and industry.

IIIT Ranchi is committed to academic excellence and good governance.

2.1. Vision and Mission

Vision

To be an acclaimed premier institution of higher technical education devoted to Information Technology (IT) and develop skilled and industry ready manpower in IT and related areas. The technical expertise developed will also incorporate social commitment to support intellectual leaders and innovators of tomorrow in the realms of technology.

Mission

- To educate and train manpower in Information Technology and related application areas at graduate, postgraduate and research levels.
- To nurture creation of new and relevant expertise in IT areas to transfer them to industry for effective utilization.
- To conduct Professional Development Programs for practicing engineers and managers in IT industries.
- To organize programmes for faculty growth and development.



- To establish strong collaborations with private and public- sector industries and government user departments.
- To strongly interact with premier academic and research institutions within the country and abroad for mutual benefit.
- To be in consonance with National Plans in information technology.
- To closely interact with community/society especially local tribal community/ society with a view to development of skills that will make them self-reliant.

3. Administration

3.1. Governing Body

Name & Designation	Serving as
Dr. Rakesh Sarwal Additional Secretary, Dept. of Higher Education Ministry of Human Resource Development New Delhi	Chairperson
Shri Darshana Dabral JS & FA, MHRD New Delhi	Member
Shri Anil Kumar Director, (Finance) MHRD, New Delhi	Member
Shri Prashant Agarwal Director (IIIT/IIITs) MHRD, New Delhi	Member
Prof. P.P Chattopadhyay Director, NIFFT Ranchi, Jharkhand	Member
Dr. R.K Pandey Vice Chancellor, Ranchi University Ranchi, Jharkhand	Member
Dr. K Kesavasamy Head, Academic Interface Programme Tata Consultancy Services Thiruvanthapuram, Kerala	Member



Mr. Ajit Habbu Tata Technologies Limited Pune	Member
Mr. J. Tiwari GM (CSR) Central Coalfields Limited, Ranchi	Member
Prof. Vishnu Priye Director IIIT Ranchi	Member Secretary

3.1. The Senate

Name & Designation	Serving as
Prof. Vishnu Priye Director, IIIT Ranchi	Chairperson
Prof. P.P. Chattopadhyay Director NIFFT Ranchi	Member
Prof. D.K. Singh Director, BIT Sindri	Member
Prof. Gopal Pathak	Member
Dr. Jitendra Kumar Mishra Assistant Professor & Faculty- In-charge, Research & Infrastructure, IIIT Ranchi	Member
Dr. Shashi Kant Sharma Assistant Professor & Faculty In-charge, Academic & Faculty Affairs, IIIT Ranchi	Member
Dr. Santosh Kumar Mahto Assistant Professor & Faculty In-charge, TPO, IIIT Ranchi	Member
Dr. Jaydeep Pati Assistant Professor & Nodal Officer, Admission IIIT Ranchi	Member
Dr. Dhananjoy Bhakta Assistant Professor & faculty In-charge, Website IIIT Ranchi	Member
Dr. Satya Mandal Registrar IIIT Ranchi	Secretary



3.1. Finance committee

Name & Designation	Serving as
Shri. R Subhramanyam Secretary (HE) to the Government of India Ministry of Human Resource Development	Chairperson
Prof. Vishnu Priye Director, IIIT Ranchi	Member
Shri. Anil Kumar Director (Finance), MHRD	Member
Shri. Prashant Agarwal Director (IITs & IIITs) Ministry of Human Resource Development	Special Invitee, Member
Shri. Gopal Ji Under Secretary Planning-Cum-Finance Department (Finance Department) Govt. of Jharkhand	Member
Shri. A.K Goswami GM(F) CA & T, CCL, Ranchi Central Coalfields Ltd.	Member
Dr. Satya Mandal Registrar IIIT Ranchi	Secretary

3.1. Building & Works Committee

Name & Designation	Serving as
Prof. Vishnu Priye Director, IIIT Ranchi	Chairperson
Prof. AKL Srivastava Dean (Planning & Development) NIT Jamshedpur	Member



Dr. Arun Kumar Director (Technical Education) HTE & Skill development, Govt. of Jharkhand	Member
Shri. A.K Goswami GM (F) CA & T CCL Ranchi	Member
Dr. Jitendra Kumar Mishra Assistant Professor & Faculty in-Charge, Research & Infrastructure IIIT Ranchi	Member
Dr. Shashi Kant Sharma Assistant Professor & Faculty In-charge, Academic & Faculty Affairs, IIIT Ranchi	Member
Mr. Anil Jha DGM (Infrastructure) Mecon Limited (Govt. of India Enterprises) Doranda, Ranchi	Member
Prof. P.K. Sadhu Dept. of Electrical engineering, IIT(ISM) Dhanbad Dhanbad	Member
Dr. Satya Mandal Registrar IIIT Ranchi	Secretary

4. Executive Summary

A STEP FORWARD

The Institute in last one year, after the joining the first Director, has focused itself in pursuit for academic and research excellence through new initiatives.

PROLOGUE

The policy makers conceptualized Indian Institute of Information Technology International in Public Private Partnership (PPP) mode to create very strong pool of talent that can cater to the ever growing demands of IT.



5. ACADEMICS

Imparting quality education to develop next generation professional scholar, fit for globally competitive environment, IIIT Ranchi offers UG, PG and PhD programme related to ECE and CSE brunch along with specialization in different emerging field to serve the societal needs of the State of Jharkhand, India and ultimately, the world.

In the Academic year 2019-20, IIIT Ranchi offered how many UG PG and PhD programs. The details of Programs offered by IIIT Ranchi are given below:

S. No.	Courses offered	No. of Courses In 2019-20
1.	4 - Year B.Tech.	02
2.	2 - Year M.Tech. (Proposed)	02
3.	Ph. D.	02
Total		06

5.1. Undergraduate Programmes

The Institute offers 4-years B. Tech. (Honours) in Computer Science & Engineering and Electronics and Communication Engineering. The student strength of various programmes during the Academic year 2019-20 is presented in the subsequent sections.

S. No.	Academic Programs offered	Intake			
		2016-17	2017-18	2018-19	2019-20
1.	4 - Year B. Tech. (Hons.) ECE	30	60	60	65
2.	4 - Year B. Tech. (Hons.) CSE	30	60	60	66

Admission Procedure

Depending on the number of seats allocated by the Joint Seat Allocation Authority (JoSAA) from the list of candidates selected by all India JEE (Main), admission procedure is conducted for the first semester of all undergraduate courses. Seats are filled up on the basis of the All-India Quota of Joint Seat Allocation Authority (JoSAA).



Academic Calendar

The academic session comprises of two semesters, an Odd Semester (July-December), and an Even Semester (January-June). The Academic Calendar approved by the Senate consists of schedule of activities for a session including dates of registration, mid-semester and end-semester examinations, inter-semester breaks.

5.1. Approved M. Tech. Programs (2-Years)

A two- year M. Tech programmes in the following branches of Engineering and Technology is offered during the period

M. Tech (Under Computer Science & Engineering Department)

- ✧ Artificial Intelligence and Data Science

M. Tech (Under Electronics & Communication Engineering Department)

- ✧ Embedded System and Internet of Things (IOT)

Admission Procedure

The M. Tech. admission will be through online/offline counselling based on the GATE score and/or written test and/or interview by the respective departments at IIT Ranchi.

Programme Structure

The first two semesters for M. Tech comprises of theory and practical (laboratory) subjects. The 3rd and 4th semesters have project work. The curricula essentially comprises of project works and seminars. There are various other essential activities which the students must fulfill such as class test, submission of assignments, viva-voce tutorials etc.

5.1. Approved Ph.D. Programs

Ph.D. Programs, both Part Time and Full Time in Computer Science & Engineering.

- ✧ Ph.D. Programs, both Part Time and Full Time in Electronics & Communication Engineering.

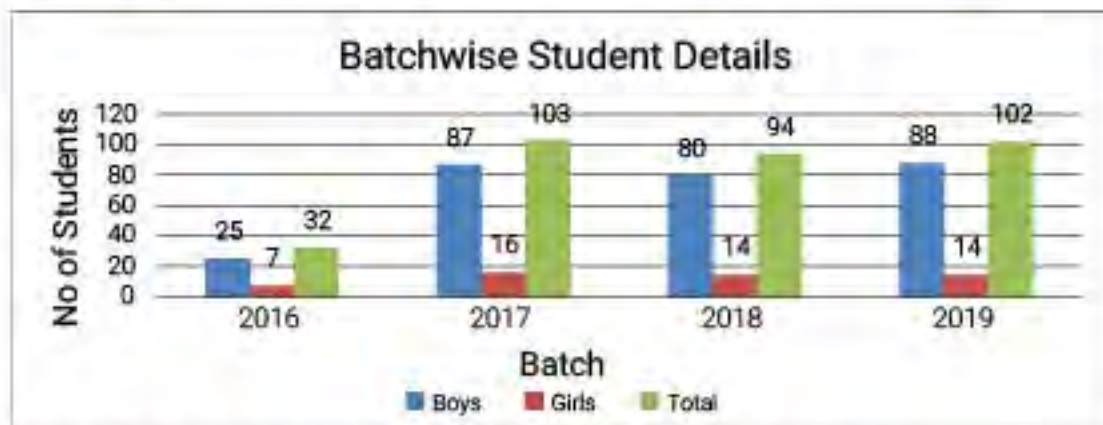
- ✧ Six Part Time Ph.D. programs under Visvesvaraya PhD Scheme for Electronics & IT.

5.1. B. Tech Enrolment

The B.Tech student strength in 2019-20 has gone up to 331. The student strength over last 4 years is given here:

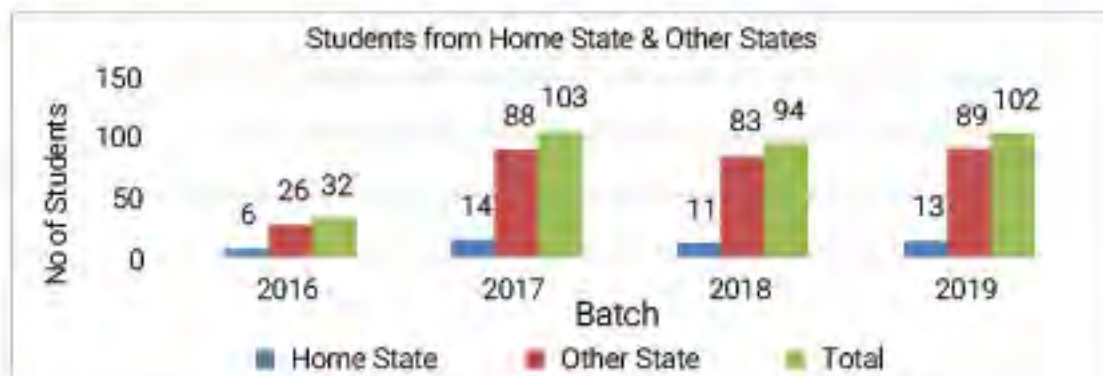


Batch	Boys	Girls	Total
2016	25	7	32
2017	87	16	103
2018	80	14	94
2019	88	14	102



The domicile of admitted students are predominantly distributed nationally in all three academic years as shown in the Chart below.

Batch	Home State	Other State	Total
2016	6	26	32
2017	14	88	103
2018	11	83	94
2019	13	89	102



5.1. Ph.D. Enrolment

The PhD student strength in 2019-20 has gone up to 08. The student strength over last 4 years is given here:



Total Student Strength in Ph.D Programme							
S. No.	Discipline	Batch	2019	2018	2017	2016	Total
1.	Computer Science & Engineering		3	NA	NA	NA	3
2.	Electronics & Communication Engineering		5	NA	NA	NA	5
		Total	8	NA	NA	NA	8
Gen			4	NA	NA	NA	4
EWS			1	NA	NA	NA	1
OBC			3	NA	NA	NA	3
SC			0	NA	NA	NA	0
ST			0	NA	NA	NA	0
PwD			0	NA	NA	NA	0
Male			7	NA	NA	NA	7
Female			1	NA	NA	NA	1

6. RESEARCH AND DEVELOPMENT

6.1. Research Cells Developed

- Machine Learning and Artificial Intelligence:**

The research cell encompasses a broad range of themes covering several aspects of futuristic technology such as emerging technologies based on Deep Learning, Machine Learning, Data Mining and its applications as well as Artificial Intelligence and various algorithms with Artificial Neural Networks and Natural Language Processing etc. using Python and its various libraries, Pandas, Matplotlib, Scikit, PyTorch, TensorFlow etc. which are agnostically based on end-user requirements. In addition, the research cell also focuses on different modes of learning and their applications in Information and Communication Technology.



- **Sensors & IoT:**

The Sensors & IoT research cell aims to nurture research culture in faculties and students by encouraging research in newly emerging and challenging areas of smart sensors, Internet of Things (IoT), energy management, communication systems, distributed sensor devices, advanced user interfaces and smart cities. The cell intends to develop an ecosystem that will lead to the creation of smart spaces and self-aware interconnected 'things' for health, mobility, digital society, food, energy, and environmental applications. The cell also aims to enhance the general research capability of budding technocrats by the way of participating in conferences, seminars, workshops and national/international competitions.

- **Data Science and Bioinformatics**

Data Science Research Cell is to help Students and working professionals develop frameworks and acquire skills to take up roles in data science. Research Domains are

Handling and Management of Database, Data Science Application in Different Domains, Biological Data Analysis, Software Data Analytics, Digital Humanities, Design Thinking Based Product Development.

- **VLSI and Embedded System:**

The research cell encompasses a broad range of themes covering several aspects of futuristic technology such as emerging technologies based on Micro and Nano-electro mechanical devices, sensors, fabrication of MEMS, sensors, supercapacitors, characterization and its system applications as well as Embedded system design from both software and hardware perspective employing Arduino, Raspberry Pi, sensors and actuators etc. which are agnostically based on end user requirements. In addition, research cell also focusses on FPGA implementations, VLSI circuit Design suite, Neuromorphic computing, 3D printing technology.

- **Advance Communication System**

6.1. Laboratories Developed

Analog Communication

Digital Communication

6.1. R&D Facilities extended to the Faculty members

Facilities are extended to faculty members of IIIT Ranchi as per IIIT - PPP Act -2017 and Statutes as well as decisions of the BOG of the Institute/relevant orders from MHRD, New Delhi.



Supports provided for Professional Advancement of Faculty:

- An initiation/start-up grant under 'Faculty Research Scheme' of upto Rs. 5 lakhs are available to the new faculty member on joining, to be used for initial research set up. Possibility of higher start-up grant, based on a proposal for carrying out research project of 3 years duration on selection basis.
- A **Cumulative Professional Development Allowance (CPDA)** of Rs. 3 lakhs for every block period of 3 years (Rupees one lakh per year) is made available to every member of the faculty to meet the expenses for participation in national and international conferences, payment of membership fee of professional bodies and contingent expenses.
- **Research and Development** activities are encouraged in all the Departments. As an Institute currently being set up, faculty members joining the Institute will have the all-important task of **acquiring modern and contemporary equipment and services for their research work and laboratory**. Good facilities also exist for computing.
- The Institute **encourages interaction of the faculty with industry, other research and professional institutions**. Consultancy is encouraged and liberal consultancy policies are in practice.

6.1. Sponsored R&D Projects

Professor Vishnu Priye is the Principal Investigator of the R & D Project No. SERB/F/8784/2016-17 of Department of Science Technology on 'Optical Sensor Based traffic Weighbridge'. The amount of project is Rs 42, 39, 049/- (Forty two lakhs, thirty nine thousand and forty nine only).

6.1. Patent filed:

J. Pati, K. K. Shukla, 'A Device For Modelling Software Clone Evolution Across Different Versions And Method Thereof', 201811016656, Application No. 201811016656 A Date of filing of Application 02/05/2018 (43) Publication Date: 08/11/2019 INDIA

6.1. Research Publications:

International Journals Listed in SCI/SCIE: 13 (Academic Year 2019-2020)

1. S. Agarwal, **J. K. Mishra**, and **V. Priye**, 'Thermal Design Management of Highly Mechanically Stable Wavelength Shifter Using Photonic Crystal waveguide,' **Superlattices and Microstructures**, vol. 142, 106510, 2020.
2. S. Agarwal, **J. K. Mishra**, and **V. Priye**, 'Augmenting Performance of a MEMS Cantilever-Based Photonic Crystal Waveguide for Switching Applications,' **Applied Optics**, vol. 58, no. 31, pp. 8449-8456, 2019.



3. C. P. Gupta, P. K. Jain, U. Chand, **S. K. Sharma**, S. Birla, S. Sancheti, "Effect of Top Electrode Materials on Switching Characteristics and Endurance Properties of Zinc Oxide Based RRAM Device," *Journal of Nano-and Electronic Physics*, vol. 12, no. 1, pp. 1007 (1-5), 2020. (Scopus Indexed, DOI:10.21272/jnep.12 (1).01007).
4. C. P. Gupta, **S. K. Sharma**, B. Bhowmik, K. T. Sampath, C. Periasamy and S. Sancheti, "Development of Highly Sensitive and Selective Ethanol Sensors Based on RF Sputtered ZnO Nanoplates," *Journal of Electronic Materials (Springer)*, vol.48, pp. 3686-3691, 2019. (SCI indexed, Impact Factor: 1.56, DOI: 10.1007/s11664-019-07127-4).
5. C. Barde, A. Choubey, R. Sinha, **S. K. Mahto** and P. Ranjan, "A compact wideband metamaterial absorber for ku band applications," *Journal of Materials Science: Materials in Electronics*, vol. 31, no. 19, pp. 16898-16906, 2020.
6. A. Kumar, **S. K. Mahto**, R. Sinha and A. Choubey, "Dual circular slot ring triple-band mimo antenna for 5g applications," *Frequenz*, 2020, 1 (ahead-of-print).
7. P. Ranjan, C. Barde, A. Choubey, R. Sinha and **S. K. Mahto**, "Wide band polarization insensitive metamaterial absorber using lumped resistors," *SN Applied Sciences*, vol. 2, pp. 1-8.
8. P. Ranjan, A. Choubey, **S. K. Mahto**, R. Sinha and C. Barde, "A novel ultrathin wideband metamaterial absorber for x-band applications," *Journal of Electromagnetic Waves and Applications*, vol. 33, no. 17, pp. 2341-2353, 2019.
9. P. Ranjan, **S. K. Mahto** and A. Choubey, "BWDO algorithm and its application in antenna array and pixelated metasurface synthesis," *IET Microwaves, Antennas & Propagation*, vol. 13, no. 9, pp. 1263-1270, 2019.
10. **D. Acharyya**, R. R. Chaudhuri and P. Bhattacharyya, "Noise analysis and resonant frequency based novel approach for concomitant detection of unknown vapour species type and concentration", *IEEE Transaction on Instrumentation and Measurement*, vol. 68, pp. 3004-3011, 2019. (DOI: 10.1109/TIM.2018.2867893).
11. **R. Kumar**, A. Kumar, P. Singh and N. Kumar, "All-optical pseudo noise sequence generator using a micro-ring resonator," *Frontiers of Optoelectronics*, pp. 1-9, 2020 <https://doi.org/10.1007/s12200-020-0947-9>.
12. P. K. Singh, S. Mondal, A. K. Das, S. K. Mishra, D. K. Singh and **S. K. Singh**, "Production of W-based nanoparticles via spark erosion process along with characterization and optimization for practical application in gas sensor," *Applied Physics-A Material Science & Processing*, vol. 126, Issue 01, pp. 1-13, 2020.
13. M. Das, S. Saraswathi, **R. Panda**, A. K. Mishra and A. K. Tripathy, "Exquisite Analysis of Popular Machine Learning-Based Phishing Detection Techniques for Cyber Systems," *Journal of Applied Security Research*, pp. 1-25, 2020, 10.1080/19361610.2020.1816440



International Conferences: 12

1. N. Jain, R. Kumawat and **S. K. Sharma**, "Effect of Substrate Temperature on the Microstructural and Optical Properties of RF Sputtered Grown ZnO Thin Films," *International conference on Advancement of Nanoelectronics and Communication Technologies 2020*, published by Materials Today Proceedings, vol. 30, no. 1, pp. 93-99, SKIT Jaipur, India, 2020. (DOI: <https://doi.org/10.1016/j.matpr.2020.04.667>).
2. C. P. Gupta, P. K. Jain, U. C., **S. K. Sharma** and S. Birla, S. Sancheti, "Effect of Annealing Temperature on Switching Characteristics of Zinc Oxide based RRAM Device," *Innovative Trends and Advances in Engineering and Technology (ICITAET – 2019)*, SGIRAC Shegaon, Maharashtra, India, Dec. 28-28, 2019. (DOI: 10.1109/ICITAET47105.2019.9170219).
3. C. Barde, A. Choubey, R. Kumar, R. Sinha, **S. K. Mahto** and P. Ranjan, "A novel circular shape ZOR antenna for x-band application," *In Proceedings of the international conference on advances in electronics, electrical & computational intelligence (ICAEEC)*, SSRN, 2020.
4. A. Kumar, **S. K. Mahto** and R. Sinha, "Y-shaped antenna for 5G enabled gadgets and its mimo for smart phone applications," *In 2020 ursi regional conference on radio science (URSI-RCRS)*, IEEE, 2020.
5. R. Sinha, A. Choubey, C. Barde, **S. K. Mahto** and P. Ranjan, "A compact wideband metamaterial absorber for various application of KU band," *In Proceedings of the international conference on advances in electronics, electrical & computational intelligence (ICAEEC)*, SSRN, 2020.
6. C. Barde, A. Choubey, R. Kumar, R. Sinha, **S. K. Mahto** and P. Ranjan, "A novel circular shape ZOR antenna for x-band application," *In Proceedings of the international conference on advances in electronics, electrical & computational intelligence (ICAEEC)*, 2019.
7. C. Barde, A. Choubey, R. Sinha, **S. K. Mahto** and P. Ranjan, "A low profile pentagonal shape zeroth order resonator antenna fork_(a) band applications," *In 2019 photonics & electromagnetics research symposium-spring (PIERS-SPRING)*, IEEE, 2019.
8. R. Sinha, A. Choubey, **S. K. Mahto**, P. Ranjan and C. Barde, "Synthesis of linear array antenna using hybrid iwo/wdo algorithm," *In 2019 photonics & electromagnetics research symposium-spring (PIERS-SPRING)*, IEEE, 2019.
9. **R. kumar**, P. singh and N. kumar, "Alamouti code generator in optical domain using Mach-Zehnder interferometer," *Proceeding of the fourth international conference on microelectronics, computing and communication system lecture notes in electrical engineering* 672.
10. **B. Singh**, K. Kumar, S. Mohan and R. Ahmad, "Ensemble of Clustering Approaches for Feature Selection of High Dimensional Data," *Proceedings of 2nd International Conference on Advanced Computing and Software Engineering (ICACSE)*, 2019.



11. R. Ahmad, M. Asim, S. Z. Khan and B. Singh, "Green IoT - Issues and Challenges," *Proceedings of 2nd International Conference on Advanced Computing and Software Engineering (ICACSE)* 2019.
12. K. Kumar, R. K. Singh, B. Singh, S. Mohan and B. Ram, "Explication of Computer Science Ontology with DSpace," *Proceedings of 2nd International Conference on Advanced Computing and Software Engineering (ICACSE)*, 2019.

National Conferences: 2

1. S. Mahanty, R. Choudhary, A. Kumar, R. Kumar and B. Behra, "Implementation of all-optical even parity checker using the micro-ring resonator structure," *National Conference on Electronics, Communication and Computation (NCECC-2020)*, 2020.
2. S. Mahanty, R. Choudhary, A. Kumar, R. Kumar and B. Behra, "Design of micro-ring resonator based all optical signal routers," *National Conference on Electronics, Communication and Computation (NCECC-2020)*, 2020.

Book Chapters: 06

1. C. Barde, A. Choubey, R. Sinha, S. K. Mahto and P. Ranjan, "A novel zor-inspired patch antenna for vehicle mounting application," *In Ambient communications and computer systems*, Singapore, Springer Singapore, 2019.
2. S. K. Mahto, A. Choubey, R. Sinha and P. Ranjan, "Sidelobe minimization of uniform linear array by position-and amplitude-only control using wdo technique," *In Advances in computer communication and computational sciences*, Springer, 2019.
3. R. Sinha, A. Choubey, S. K. Mahto and P. Ranjan, "Quantum behaved particle swarm optimization technique applied to fir-based linear and nonlinear channel equalizer," *In Advances in computer communication and computational sciences*, Springer, 2019.
4. P. Bhattacharyya, D. Acharyya and Koushik Dutta, "Resistive and Capacitive Measurement of Nano-Structured Gas Sensors: A Comparative Analysis," *in the book 'Environmental Nanotechnology*, Springer Nature, Switzerland, pp. 25-62 2019.
5. D. Acharyya and P. Bhattacharyya, "Functionalization of graphene and its derivatives for developing efficient solid-state gas sensors: Trends and Challenges," *in the book 'Functional Nanomaterials: Advances in Gas Sensing Technologies*, Chapter: 8, Springer, 2019.

6.1. Incubation Centre

Indian Institute of Information Technology (IIIT), Ranchi is taking active initiative to fructify an 'Entrepreneur Culture' by promoting 'Innovation' in Information and Communication Technology (ICT) application in various areas which is unique for the state of Jharkhand in particular and India in general. With a target to reach out to all interested and potential stake holders,



The primary objective of Incubation Centre at IIIT Ranchi, is to provide support and encourage the innovative part of mind of students and alumni of IIIT Ranchi that are getting admission after clearing a very competitive and tough Joint Entrance Examination (Main) – JEE (Main). It will also support students of other nearby institutes, individuals or teams that qualify the criteria laid down by the centre. Moreover, it will actively encourage operation of *Virtual Incubates from anywhere in India*.

7. INFRASTRUCTURAL FACILITIES

7.1. Temporary Campus at Jharkhand University of Technology (JUT) Ranchi:

As per letter no. सू०पौ०/IIIT/SSC-58/2014-206 dated February 28, 2019 Academic Block of

Jharkhand University of Technology has been provided to IIIT Ranchi to conduct its academic and administrative operations from July 2019. The academic block is of three floor building with fully centralized AC. The built up area is 4500 Sq. meter supported by Generator for power supply. The detailed information of academic block is as follows:

1.	Class Room (ECE & CSE)	06
2.	Computer Lab	02
3.	Hardware Lab	05
4.	Faculty Room	08
5.	Director Secretariat	01
6.	Registrar's Office	01
7.	Academic and Examination Section	01
8.	Establishment Section	01
9.	Finance & Account Section	01
10.	Training and Placement Office	02
11.	Student Welfare Office	01
12.	Library	01



13.	Seminar Hall/Board Meeting Room	01
14.	Electrical & Network termination	03
15.	Server room	01
16.	Medical room & dispensary for emergency medical aid	01
17.	Reception/ECE/CSE OFFICE	01
18.	Store Room	01
19.	Washroom (set of Boys, Girls & PwD)	06

7.1. Infrastructural Development:

High-speed Broadband internet facility has been established at transit campus for students, faculties and stakeholders. Infrastructural development for the same are as follows;

SNo	Equipment/Service
1.	Purchase 100 Mbps Leased Line from BSNL
2.	Purchase of 100 Mbps Back-up Bandwidth from PowerGrid
3.	Cisco Manage L2 Switch Digisol Access Point Cat 6 UTP Cable
4.	RouterBoard RB750-GR3
5	HP Laptop 15-DA0400TU Tenda Outdoor Access Point Power Supply SMPS 12 V Power Supply AD-77 Cat 6 Cable 305 mtr PVC Pipe 20MM Saddle Wire Clip-20MM Finolex 2Core Power Cable
6	Network Rack 42 U



7.1. Land for Permanent Campus of IIIT Ranchi:

The Government land as per letter of Circle Office, Kanke is detailed in the table below:

Government Land		
Khata No.	Survey Plot No.	Area in Acres
55	1389	0.01
	1405P	0.58
	1405P	1.05
	1423	14.40
	1424	0.58
	1394/1914P	1.60
	1394/1914	1.80
	1896	1.03
	1375	0.08
	1384	0.02
133	1430	0.17
	1431P	13.00
	1449P	2.52
208	1336P	0.26
	1395	0.01
	1396	0.01
	1400	0.12
267	394	15.00
Total Area		52.24

The details of land procured by Government of Jharkhand and handed over to IIIT Ranchi on 12/02/2019 are as follows:

Khata No.	Survey Plot No.	Area in Acres	Khata No.	Survey Plot No.	Area in Acres
73	1337	0.40	149	1402	0.51
183	1362	0.05	14	1403	0.40
180	1363	0.08	149	1404	0.70



133	1366	0.02	24	1406	0.85
125	1367	0.05	307	1407	0.24
125	1368	0.05	233	1408	0.06
125	1369	0.40	319	1409	0.44
272	1371	0.03	319	1410	0.01
20	1373	0.29	220	1411	0.04
20	1374	0.26	220	1412	0.19
10	1380	0.01	14	1413	0.12
10	1381	0.33	14	1414	0.58
10	1382	0.06	37	1415	0.62
12	1383	0.18	40	1425	0.17
10	1385	0.07	41	1426	0.14
272	1386	0.40	42	1427	0.57
316	1387	0.60	43	1428	0.32
38	1388	0.07	44	1429	0.05
318	1390	0.66	47	1432	0.36
223	1391	0.03	48	1433	0.11
246	1392	0.83	49	1434	0.45
171	1393	0.12	265	1435	0.15
171	1394	0.97	272	1437	0.20
149	1397	0.35	149	1438	0.24
14	1398	0.19	90	1474	0.05
149	1399	0.12	89	1475	0.04
149	1401	0.09	89	1873	0.10
TOTAL					14.40

S.No.	Type of Land	Area in acres
1.	Land of Government of Jharkhand	52.24
2.	Land procured by Government of Jharkhand	14.40
Total		66.64

7.1. Infrastructural Development at Permanent Campus of IIIT Ranchi

The approval for starting the work was given by HTE & SD in July 2019.

The sequence of activities were as follows:

- 1) The land topographical digital survey was conducted by executing agency CPWD.
- 2) The boundary wall preliminary drawings and estimate was proposed by CPWD for availing Administrative Approval and Expenditure Sanction to the institute.
- 3) AA & ES of proposed estimate was provided to the Executing Agency CPWD in Feb'2020 based on which tendering process was started for boundary wall.

7.1. Central Library:

Based on the recommendations from faculty members and students, the Library procures 1163 number of books with reading optimum room capacity of 40 providing a quiet study space for students and researchers. Books racks are procured for the storage of books. For accessing online resources, five computers have been installed. A book Exhibition was held in January 2020.

Services and Facilities:

The library remains open from 08:00 hrs to 18:00 hrs and 360 days around the year for providing user friendly services and facilities.

For the benefits of the students and other staffs, central library has allocated an entire hall for shelving textbooks with finest reading facility.





7.1. Scholarship

A good fraction of students of this institute are awarded with various schemes of Central Govt., State Governments, PSUs, Charitable Trusts/ Organizations.

Time	Name of Scholarship	No of Students
1.	Top Class Education Scheme for SC Students	03
2.	National Fellowship and Scholarship for Higher Education of ST Students - Scholarship (Formally Top Class Education for Schedule Tribe Students) - only for scholarships	03
3.	PMSSS K&K Scholarship	01
4.	Mukhyamantri Medhavi Vidyarthi Yojna	01

Assistantships (M.Tech / Ph.D.):

The Institute provides Assistantship to the students admitted in the M. Tech & Ph. D programme as per the norms of Institute. The student must have cleared GATE and must be a regular non-sponsored student to become eligible for this Assistantship.

8. Training and Placement

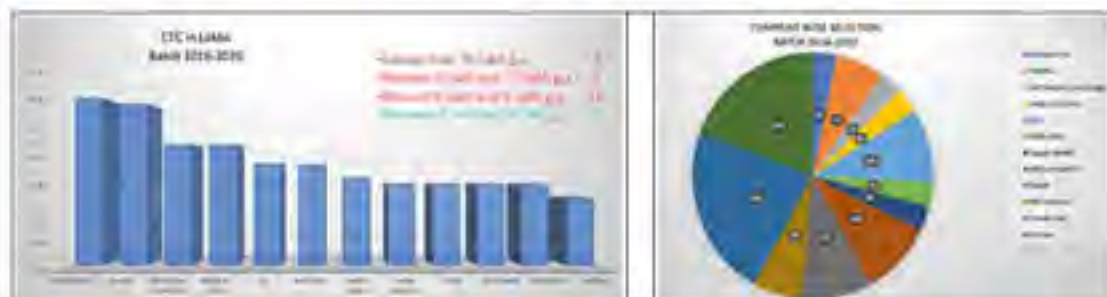
The aim of training and placement cell is to create a platform for students for exploring their creative potential and nurturing the spirit of entrepreneurship and critical thinking. The cell has done excellent work in providing opportunities for students through campus placements in the year 2019-20.

8.1. Placement Statistics

In year 2019-20, the placement activity was conducted for the batch 2016-2020. The placement team had sent invitations to companies and organizations along with relevant information and coordinated accordingly to fix a convenient date for recruitment procedure. A total of 28 placement offers were received from different companies having the highest package of 12.40LPA and average package of 6.90LPA.

The placement statistics of 2016-2020 Batch has been analyzed below

	Total Students	Eligible Students	Placed Students	Students with 1 offers	Students with 2 offers	Students with 3 offers	Total offers
ECE	15	12	9	9	03	00	12
CSE	17	15	11	11	05	00	16
OVERL-ALL	32	27	20	20	08	00	28



9. Student Activities

Students of IIIT Ranchi are involved in organizing various academic and extracurricular activities in association. International endeavour was initiated with acknowledgement of 'Student Chapter of Optical Society of America (OSA)'.

9.1. HOUSE OF GEEKS (HOG)

Technical Society of IIIT Ranchi

In a technology-controlled world, IIIT Ranchi knows what an impactful role technology has on people's lives. HOG plays a major role in helping the students identify and develop their interests towards various technical aspects. Inclination of both Computer Science and Electronics students are paid heed to in the form of various communities like Competitive coding, Web and App Development, Machine Learning, Core Electronics, Intelligence, Internet of Things, Robotics and Embedded system, Society of Photo-Optical Instrumentation Engineers.



Figure: GEEK - A - THON : The Internal Hackathon for Smart India Hackathon



Figure: Workshop of data structure organised by programming club



All communities need someone to help them guide through different phases of their growth and for that there are different prominent clubs under HOG namely:

1. **Technical Communities**

- Programming Club
- Web and App development Team
- Core Electronics Club
- Machine Learning and Artificial Intelligence Team
- Robotics and Embedded System Club
- IOT club

2. **Non-Technical Communities**

- Team CreaXns – Creativity and Graphic Designing Team
- Team Anonymous – Promotion, Public Relation and Advertising Team
- Event Management Team

3. **Student Branches and Club**

- OSA Chapter
- IEEE Student Branch
- Codechef - Chef Chapter

Major Events under HOG in the annual year 2019-2020 are:

DATE	EVENTS
13 th -15 th September 2019	World Robotics Championship – Quadcopter Student from IIIT Ranchi have made a Quadcopter and participated in World Robotics Championship held in Delhi, India.
14 th January 2020	Release of the name of the Techno-Cultural Fest-TriQesta The name of the fest was released in this event.
18 th January 2020	Geek-A-Thon: The Internal Hackathon for Smart India Hackathon In this event, all the qualified participants of Round1 of SIH got 12 hours to implement their submitted ideas. And on that basis, the idea was selected. A judging committee was formed. Dr. K Sridhar Patnalk, a faculty of BIT Mesra was invited as the Chief Judge.
04 th -06 th February 2020	Workshop on Data Structure by CODING BLOCKS Coding Blocks was invited to take a workshop on DSA. It was a 3-day workshop.
04-08 th February 2020	Geek Week An online competitive coding contest held on Slack.

9.2. CULARITI

Cultural Society of IIIT Ranchi

The personality of our students and the way they carry themselves is one of the best examples of how inculcation of soft skills has been a priority in our Institute. Different events by Culariti ensures that the students are well versed with all required skills such as time management, leadership, decision-making, team spirit and an increased sense of responsibility along with good communication and stage presentation skills.

Various clubs under Culariti are:

1. UNMUKT – Debate Club
2. Kriti (Art Club)
3. Litclub (Literary Club)
4. Alfaaz (Poetry Club)
5. Rangbaaz (Drama Club)
6. Estillo (The Fashion Club)
7. Nrityarashi (Dance Club)
8. Saaz (Music Club)



Figure: Diwali Celebration at IIIT Ranchi



Figure: Childrens' day Celebration at IIIT Ranchi



Figure: Constitution day Celebration at IIIT Ranchi



Major Events under Culariti in the annual year 2019-2020 are:

DATE	EVENTS
2nd October 2020	Gandhi Jayanti & Swacchata Diwas: IIIT Ranchi celebrated the 150 th birth anniversary of Mahatma Gandhi to refresh and rejuvenate the young minds with his teachings and philosophy.
27 th October 2019	Diwali Celebration Night The festival is celebrated by making Rangoli, and painting lamps. Later, in the evening Deepawali Puja Celebration was done by lighting earthen lamps.
13 th November 2019	Treasure Hunt In this event, Treasure Hunt game organized to boost the creativity level of students.
13 th November 2019	Online General Quiz Online quiz competition was conducted online and the winners are felicitated with prizes.
14 th November 2019	BAALPAN-Children's Day Celebration Fun Events like Pitto, Pen Fight and Craft Events are conducted in collaboration with the art club (Kriti).
15 th November 2019	Scooby-Doodle-Do: Doodling Competition A doodle Competition was conducted by Culariti.
1 st December 2019	Group Discussion- Hindi & English. Group discussion in Hindi and English are conducted in Collaboration with UNMUKT- Literary & Debating Club
2 nd December 2019	Induction of Various Club & Societies Induction of NRITYARASHI- Dance Club, SAAZ- Music Club, RANGBAAZ- Dramatics Society, ESTILLO- Fashion Club, KRITI- Arts Club, Anchoring Team.
15 th January 2020	Makar Sankranti Celebration: Kai Po Che & Cultural Jamming. On the occasion of Makar Sankranti, a friendly kite flying competition and Cultural Jamming was organised by the art and sports club. The teaser of 1st edition of Cultural-Techno-Management Fest: TRIQESTA was launched in collaboration with House of Geeks- Technical Society.

25-01-2020	Cultural Performances was held to celebrate the 150 th Birth year of Mahatma Gandhi. There were guest performances of Radhey Shyam Tiwari & Prateek Sourav From Ranchi Komediens at JUT Auditorium, interim campus, IIIT Ranchi.
26 th January 2020	Republic Day Celebration The Republic Day is celebrated in IIIT Ranchi with zeal and enthusiasm. The Director of IIIT ranchi hosted the tricolor in the presences of all the faculties, students and staffs which was followed by rastragaan, speeches, poetry, and cultural Performances. The invocation Song of IIIT Ranchi was launched on this eve.
12 th February 2020	Quete D'amour Dumb Charades Cum Quiz competition were organised in Collaboration with UNMUKT.
15 th February 2020	Sham-E-Alfaaz: Poetry Slam. Poetry Slam in Collaboration with UNMUKT in association with ALFAAZ was organised.
9 th March 2020	Holi Milan Samaroh: Holi Celebration The festival of colors is celebrated in the campus of IIIT Ranchi with organic colors. Cultural Performances, Juke Box Dance were also organised on that occasion.

9.3. Sports Society of IIIT Ranchi

A healthy mind resides in a healthy body'. This quote is well understood by the college officials and students alike. Instilling the love of sports and fitness, Sports society of IIIT Ranchi, prides itself with numerous sports clubs having maximal student participation, along with bringing laurels to the institute.



Figure: An inter IIIT sports Meet organised by IIITDM Jabalpur



Figure: IIIT Ranchi Chess Tournament

Major Events under Sports Society of IIIT Ranchi in the annual year 2019-2020 are:

DATE	EVENTS
7 th -10 th November 2019	Vajra The Chess Team of IIIT Ranchi represented our institute in the Sports meet conducted by BIT Mesra
14 th November 2019	Marathon On the Childrens' Day, a marathon was conducted to energize and revive the childhood memories under the event Baalpan. For memorizing the glorious and fun childhood, the pitto and pen fight was organized under the event Baalpan.
16 th -17 th November, 2019	IIIT Ranchi Chess Tournament For the encouragement of the institute's budding chess masters, a chess tournament was organised by the chess team of IIIT Ranchi
26 th January, 2020	Independence Cup A cricket match was organised in our campus between faculties and students.
21 st November 2019	Hocket A fun event organized in the campus for students with fun twistes in the game.



17 th November 2019	Inter tournament Cricket Match It was a match organised between cse and ece students.
29 th February-3 rd March 2020	GUSTO'20 at IIITDM Jabalpur An inter IIIT sports Meet organised by IIITDM Jabalpur with the agenda of winning as many events as possible and making friends with other IIITs.

9.4. Inter IIIT Sports Meet 2020

In the Inter IIIT Sports Meet 2020 at IIITDM Jabalpur held during 29 Feb to 03 Mar 2020, IIIT Ranchi Students excelled and marked their sign of Victory by securing 2nd Runner up position among all 18 IIITs. It was the 2nd time that IIIT Ranchi was participating in such an event and secured 31 medals in 20 sports (Bronze: 8, Silver: 9, Gold: 3).

Detail of secured medals by IIIT Ranchi at GUSTO'20

S.No.	Event	Category	Winner	Medal
1	3000 m	Girls	Kavita Yadav	Gold
2	5000 m	Girls	Kavita Yadav	Gold
3	Mix Relay 100*4	Mix	Prashant Gurjar	Gold
4	Mix Relay 100*4	Mix	Ashish Sharma	Gold
5	Mix Relay 100*4	Mix	Raksha Fauzdar	Gold
6	Mix Relay 100*4	Mix	Jospina Ekka	Gold
7	800 m	Boys	Prashant Gurjar	Silver
8	1500 m	Girls	Kavita Yadav	Silver
9	1500 m	Boys	Prashant Gurjar	Silver
10	5000 m	Girls	Charmi Ashish Meheta	Silver
11	Hurdles 110 m	Boys	Kishore Korlapu	Silver
12	Hurdles 100 m	Girls	Jospina Ekka	Silver



13	Triple Jump	Girls	Jospina Ekka	Silver
14	Table Tennis	Girls	Satya Kumari	Silver
15	Table Tennis	Girls	Yukti Agarwal	Silver
16	Table Tennis	Girls	Shreya	Silver
17	Relay 400*4	Girls	Neha Gaur	Silver
18	Relay 400*4	Girls	Jospina Ekka	Silver
19	Relay 400*4	Girls	Ritu Kumari	Silver
20	Relay 400*4	Girls	Charmi Ashish Meheta	Silver
21	100 m	Boys	Ashish Sharma Bhaky	Bronze
22	200 m	Girls	Raksha Fauzdar	Bronze
23	800 m	Girls	Kavita Yadav	Bronze
24	1500 m	Girls	Ritu Kumari	Bronze
25	3000 m	Girls	Charmi Ashish Meheta	Bronze
26	Hurdles 400 m	Girls	Jospina Ekka	Bronze
27	Javelin	Girls	Labani Sarkar	Bronze
28	Relay 100*4	Girls	Jospina Ekka	Bronze
29	Relay 100*4	Girls	Charmi Ashish Meheta	Bronze
30	Relay 100*4	Girls	Raksha Fauzdar	Bronze
31	Relay 100*4	Girls	Shiwangi Sangwan	Bronze

9.5. Ek Bharat Shreshtha Bharat (EBSB) Activities

Ek Bharat Shreshtha Bharat programme aims to enhance interaction & promote mutual understanding between people of different states/UTs through the concept of state/UT pairing. IIIT Ranchi conducted different activities to promote a sustained and structured cultural connect in the areas of language learning, culture, traditions & music, tourism & cuisine, sports and sharing of best practices, etc.

Major Events under the EBSB cell in the annual year 2019-2020 are:

DATE	EVENTS
2nd October 2019	Swachhta Abhiyan On the occasion of Gandhi Jayanti, the EBSB cell organised a cleanness program through which the whole campus was cleaned and awareness was spread regarding dangers of global warming and ill effects of plastic bags
19 th November 2019	Youth Festival Youth Festival (Ek bharat Shrestha bharat) was conducted in IIIT Ranchi to embrace the diversified variety of Indian culture in order to make a beautiful garland.
20 th January 2020	150th Birth year celebration of Mahatma Gandhi In this event, students participated in cultural events and celebrated Gandhi Ji's 150 th Birth Anniversary
29 th January 2020	Saraswati Puja Saraswati Puja is celebrated by the students of IIIT Ranchi in collaboration with Welfare Society
20 th February 2020	Traditional Event under EBSB It was a group event amongst the students of IIIT Ranchi which culminated all the aspects of Indian society and featured them in their purest form.





10. PERSONEL

Approved Faculty Strength:30

The sanctioned faculty strength as per 4th Governing Body is

Professor	:	04
Associate Professor	:	04
Assistant Professor	:	22

Full-time Faculty Members (2019-20)

The number of faculty members has is shown below:



Approved Non-Teaching Staff Strength : 33

Full Time Non-Teaching Staffs : 09

Registrar : 01

Deputy Registrar : 01

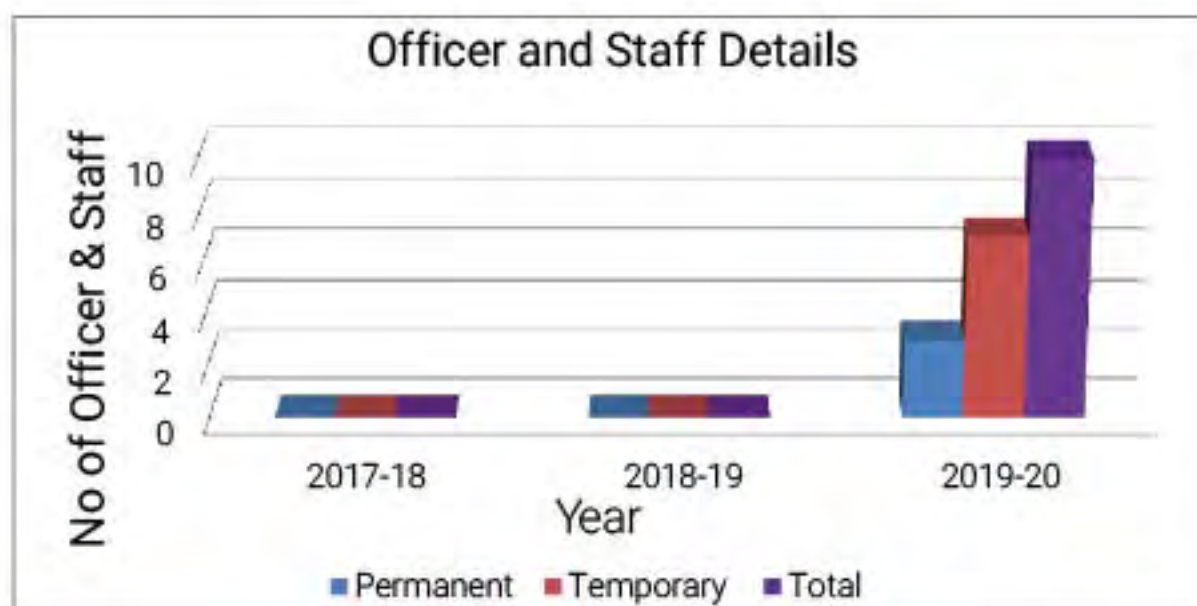
Assistant Registrar : 01

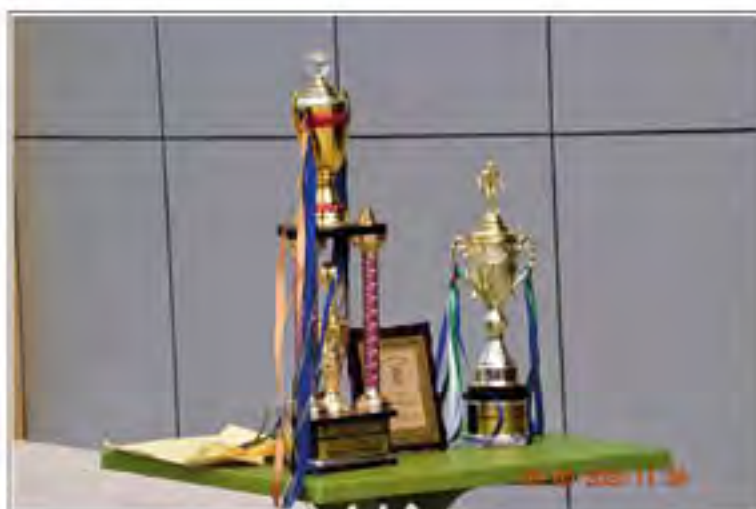
Placement cum Public Relation Officer (contractual) : 01

Junior Engineer (Electrical) contractual : 01

Junior Engineer (Networking) contractual : 01

Junior Assistant (contractual) : 03











INDIAN INSTITUTE OF INFORMATION TECHNOLOGY RANCHI



**Separate Audit Progress Report and Audit
Certificate on the Accounts of
Indian Institute of Information Technology,
Ranchi for the Financial year 2019-20.**





भारतीय लेखापरीक्षा और लेखा विभाग
कार्यालय महानिदेशक लेखापरीक्षा (केन्द्रीय), लखनऊ



INDIAN AUDIT AND ACCOUNTS DEPARTMENT
Office of the Director General of Audit (Central) Lucknow

No, DGAC/LKO/SAR-IIITR (2019-20)/2021-22 / 73

Dated: 17.08.2021

To,

**The Director,
Indian Institute of Information Technology (IIIT), Ranchi
Science 81 Technology Campus,
Shirkha Toli, Namkum Ranchi-834010**

Subject: Separate Audit Report on the accounts of Indian Institute of Information Technology, (HIT), Ranchi for the year 2019-20.

Sir,

I enclose a copy of the Audit Report and Audit Certificate along with audited Annual Accounts of Indian Institute of Information Technology, (HIT), Ranchi for the year 2019-20 for information and necessary action.

2. A copy of each of the documents has been sent to the Secretary to the Government of India, Ministry of Human Resource Development, New Delhi for information and necessary action.
3. The audited Annual Accounts, Audit Report should be duly considered and adopted by the Governing Body (BOG) of the Indian Institute of Information Technology, (HIT), Ranchi in the Annual General meeting before these are laid in the House of parliament.
4. A copy of (i) Resolution of Governing Body adopting the Audit Report and Audit Certificate with audited Annual Accounts, (ii) Date of its presentation before the House of Parliament and (iii) Annual Report of the Institute may be furnished to this office in due course for our records and onward transmission to the Comptroller and Auditor General of India, New Delhi.
5. The Hindi version of this SAR may kindly be furnished to this office within one week.
6. The receipt of this letter with enclosures may please be acknowledged.

Yours faithfully,

Encl: - As above.

Director General of Audit (Central)



Separate Audit Report of the Comptroller and Auditor General of India on the accounts of Indian Institute of Information Technology (HIT), Ranchi for the year ended 31 March 2020.

We have audited the attached Balance Sheet of Indian Institute of Information Technology (HIT), Ranchi for the year as at 31 March, 2020, the Income & Expenditure Account and Receipts & Payments Account for the year ended on that date under Section 19 (2) of the Comptroller and Auditor General's (Duties, Powers and Conditions of Service) Act, 1971 read with Section 28 (1 to 5) of the Indian Institute of Information Technology (Public-Private-Partnership) Act, 2017. These financial statements are the responsibility of the Institute management. Our responsibility is to express an opinion on these financial statements based on our audit.

1. This Separate Audit Report contains the proposed comments of the Comptroller and Auditor General of India (C&AG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards, disclosure norms, etc. Audit observations on financial transactions with regard to compliance with the Laws, Rules, and Regulations (Propriety and Regularity) and efficiency-cum-performance aspects etc., if any, are reported through Inspection Reports/ C&AG's Audit Reports separately.
2. We have conducted our audit in accordance with auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining, on a test basis, evidences supporting the amounts and disclosure in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by the management as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.
3. Based on our audit, we report that:
 - i.) We have obtained all the information and explanations, which, to the best of our knowledge and belief, were necessary for the purpose of our audit.
 - ii.) The Balance Sheet and Income & Expenditure Account and Receipts & Payments Account dealt with by this report have been drawn up in the format approved by the Ministry of Human Resource Department for Central Higher Educational Institutions.



- iii.) In our opinion, proper books of accounts and other relevant records have been maintained by the Indian Institute of Information Technology (IIT), Ranchi as required under Section 28 (1 to 5) of the HIT (PPP) Act, 2017 and Rules and Regulations in so far as it appears from our examination of such books.
- iv.) We further report that:

A Balance sheet

A.1. Liabilities

A.1.1 Current Liabilities and Provisions (Schedule - 3): ₹ 0.55 crore

A.1.1.1. The Institute received recurring grant of ₹1.33 crore from MHRD during the year under the head Revenue. No expenditure was incurred by the Institute out of above grant during the year. Unutilised grant of previous year was ₹3.00 crore. Hence, ₹4.33 crore was to be exhibited under the head current liabilities as unutilized grant. Non-exhibition resulted in overstatement of capital fund and understatement of current liabilities by ₹4.33 crore.

A.1.1.2. As per new format of accounts prescribed by MHRD for central higher educational institutions, Designated/Earmarked/Endowment Funds are funds set aside by the Educational Institution or provided by External Agencies for specific purposes. Where they are set aside by the Institution, the competent authority lays down items of income which could be accounted under the Earmarked fund and the items of expenditure permissible to be met from the fund. Unutilized grants shall not be reckoned as part of Earmarked Funds.

Scrutiny of records revealed that the Institute has shown unutilized grant of ₹21.92 crore under head Designated/Earmarked/Endowment Fund. Unutilized grant should be shown under head current liabilities. This amount should not be added with Endowment fund. This resulted in overstatement of Designated / Earmarked / Endowment Funds and understatement of current liabilities by ₹21.92 crore.



A.2. Assets

A.2.1 Investment (Schedule 5) - ₹ 22.95 crore

- 2.1.1. As per Format of Financial Statement prescribed by MHRD for Central Higher Educational Institutions, investment of own fund in fixed deposit is to be shown under the head Current Assets. The Institute invested ₹22.95 crore during the year from its available fund (Grant of MHRD, State of Jharkhand, Industry partners and Institute's income). The Institute exhibited this under the head 'Investment' instead of 'Current Assets'. This resulted in overstatement of investment and understatement of current assets by ₹22.95 crore.

B General

- B.1. The Institute is established under the Indian Institute of Information Technology (Public-Private Partnership) Act, 2017. As per section II(2)(a) of the Act, the investment of capital required for establishing the proposed Institute is to be borne by the Central Government, the State Government and Industry Partners in the ratio of 50:35:15. As on 31.03.2020, Central Government, State of Jharkhand and Industry Partners contributed ₹8.43 crore, ₹7.44 crore and ₹7.90 crore respectively. As per Memorandum of Understanding (MOU) between Central Government, State of Jharkhand and Industry Partners (Tata Technologies Ltd., Tata Consultancy Services and Central Coalfields Ltd.), Central Government shall contribute fifty percent of the total capital cost of ₹ 128 crore over a period of time for setting up of the Institute including seed money of ₹10 crore which will be released by the Central Government during first financial year. The MOU further states that once the MOA and rules are framed and the HIT is registered, the industry partners shall deposit fifty percent of its contribution in the name of Institute. The remainder contribution would be made by industry partners depending upon the progress of the scheme.

Scrutiny of records revealed that till 31.03.2020 Central Government had deposited ₹ 8.43 crore only and ₹1.57 crore was yet to be deposited towards seed money. Further the Tata Consultancy Services had not deposited ₹3.20 crore (fifty percent of its share of contribution) till 31.03.2020. These facts were not disclosed in Annual Accounts or in Notes to Accounts.



- B.2. As per Rule 230(8) of the GFR 2017, all interests or other earnings against Grants-in-aid or advances released to any Grantee institute should be mandatorily remitted to the Consolidated Fund of India immediately after finalisation of accounts. Hence, the interest earned on Government Grant could not be considered as income of the receiver. The interest earned from Govt. grant may either be refunded or shown as unutilised grant in current liabilities.

The Institute had earned interest of ₹1.55 crore (₹1.11 crore on investment and ₹0.44 crore on Savings a/c) during the year. The Institute accounted the amount of interest earned on grants as its income which is violation of the GFR rule. The schedule of interest earned on grants was not maintained by the Institute separately. As such income was overstated and liability was understated to that extent.

- B.3. No provision for Retirement Benefits on actuarial basis has made in the accounts which is in contravention of AS 15 as well as format of accounts of MHRD.

C Grants-in-Aid

The Institute received ₹4.12 crore from MHRD under the head capital grant during the year 2019-20. Previous year unutilized grant was ₹18.24 crore (MHRD ₹2.98 crore, State of Jharkhand ₹7.44 crore and Industry Partners ₹7.82 crore). Thus, ₹22.36 crore was available under the head capital grant. Out of which the Institute spent ₹0.44 crore during the year leaving a balance of ₹21.92 crore (MHRD ₹6.66 crore, State of Jharkhand ₹7.44 crore and Industry Partners ₹7.82 crore).

The Institute received ₹1.33 crore from MHRD during the year 2019-20 under the head Revenue. Internal revenue generated by the Institute during the year was ₹8.75 crore. The previous year's unutilized grant of the Institute was ₹5.84 crore (MHRD ₹3.00 crore and IRG ₹2.84 crore). Thus, ₹15.92 crore was available with the Institute under the head revenue. Out of which the Institute spent ₹2.78 crore during the year leaving a balance of ₹13.14 crore (MHRD ₹4.33 crore and IRG ₹8.81 crore).

D Management letter

Deficiencies which have not been included in the Audit Report have been brought to the notice of the Institute through a management letter issued separately for remedial/corrective action.



- i.) Subject to our observations in the preceding paragraphs, we report that the Balance Sheet, Income & Expenditure Account and Receipts & Payments Account dealt with by this report are in agreement with the books of accounts.
- ii.) In our opinion and to the best of our information and according to the explanations given to us, the said financial statements read together with the Accounting Policies and Notes on Accounts, and subject to the significant matters stated above and other matters mentioned in the Annexure to this Audit Report give a true and fair view in conformity with accounting principles generally accepted in India.
 - a. In so far as it relates to the Balance Sheet of the state of affairs of the Indian Institute of Information Technology, Ranchi as on 31st March 2020, and
 - b. In so far as it relates to Income and Expenditure Account of the surplus for the year ended on that date.

For and on behalf of the
Comptroller and Auditor
General of India

Place: Lucknow
Date: 17.08.2021

Director General of Audit (Central), Lucknow



Annexure to Report

1. **Adequacy of Internal Audit System:**

The Institute has no Internal audit wing and its own Internal Audit Manual.

2. **Adequacy of Internal Control System:**

Internal control of the Institute is weak in the following areas:

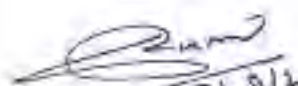
- a. The institute has no internal control manual of its own.
- b. As per Memorandum of Association of HIT Ranchi, the Board of Governors shall ordinarily meet four times during the calendar year. Record, however, revealed that the Board met twice in the financial year 2019-20. Thus shortfall of BOG meeting.
- c. The Institute received a sum of ₹718.40 lakh as tuition fee, alumni fee and misc. fee during 2019-20. But the Institute did not maintain any receipt book, register and did not provide any receipt/challan of receipts. Without receipt book/challan actual money received/due from students could not be ascertained.
- d. Scrutiny of Cash book/Bank book of the Institute revealed that the cash book/bank book had not been authenticated by cashier and DDO.

3. **System of Physical Verification of Fixed Assets and inventories:**

The Institute did not conduct physical verification of fixed assets and inventories/ consumables during the year.

4. **Regular in payment of statutory dues:**

The Institute is regular in payment of statutory dues.


Director (CRA)



INDIAN INSTITUTE OF INFORMATION TECHNOLOGY RANCHI



**ANNUAL ACCOUNTS
FOR THE
FINANCIAL YEAR 2019-20**





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INDIAN INSTITUTE OF INFORMATION TECHNOLOGY RANCHI

BALANCE SHEET as on 31st March 2020

Amounts in Rupees

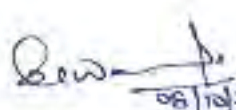
SOURCES OF FUNDS	Sche dule	Current Year 2019-20	Previous Year 2018-19
CORPUS / CAPITAL FUND	01	₹ 15,63,14,158.22	₹ 7,93,98,227.05
DESIGNATED/EARMARKED/ ENDOWMENT FUNDS /CAPITAL GRANT & LOANS	02	₹ 21,92,40,873.00	₹ 18,24,45,710.00
CURRENT LIABILITIES & PROVISIONS	03	₹ 54,90,853.00	₹ 41,28,414.00
TOTAL		₹ 38,10,45,884.22	₹ 26,59,72,351.05

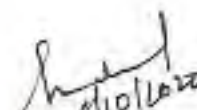
APPLICATION OF FUNDS	Sche dule	Current Year 2019-20	Previous Year 2018-19
FIXED ASSETS	04		
Tangible Assets		₹ 46,09,189.46	₹ 6,90,780.75
Intangible Assets		₹ 15,166.80	-
Capital Works-In-Progress		-	-
INVESTMENTS	05	₹ 22,95,00,000.00	₹ 13,00,00,000.00
INVESTMENTS - OTHERS	06	-	-
CURRENT ASSETS	07	₹ 13,47,14,350.21	₹ 13,50,61,770.30
LOANS ADVANCES & DEPOSITS	08	₹ 1,22,07,177.75	₹ 2,19,800.00
TOTAL		₹ 38,10,45,884.22	₹ 26,59,72,351.05

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08/10/2020
Junior Assitant (Accounts)


08/10/2020
Asst. Registrar


8/10/2020
Registrar


8.10.2020
Director



INDIAN INSTITUTE OF INFORMATION TECHNOLOGY RANCHI

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH 2020

Amounts in Rupees

PARTICULARS	Schedule	Current Year 2019-20	Previous Year 2018-19
INCOME			
Academic Receipts	09	₹ 7,18,39,869.00	₹ 2,89,36,382.00
Grants / Subsidies	10	₹ 1,33,00,000.00	₹ 3,00,00,000.00
Income from Investments	11	₹ 1,11,04,230.00	₹ 45,72,500.00
Interest Earned	12	₹ 44,32,882.00	₹ 49,35,135.00
Other Income	13	₹ 1,31,349.00	₹ 1,66,854.80
Prior Period Income	14	₹ 0.00	₹ 99,000.00
TOTAL (A)		₹ 10,08,08,330.00	₹ 6,87,09,871.80
EXPENDITURE			
Staff Payments & Benefits (Establishment Expenses)	15	₹ 2,03,16,699.00	₹ 58,90,429.00
Academic Expenses	16	₹ 33,79,674.00	₹ 31,31,560.00
Administrative and General Expenses	17	₹ 29,61,569.00	₹ 11,26,884.00
Transportation Expenses	18	₹ 6,00,567.00	-
Repair and Maintenance	19	₹ 5,61,367.00	₹ 1,28,900.00
Finance Cost	20	₹ 3,798.34	₹ 1,781.50
Depreciation	04	₹ 4,73,561.49	₹ 56,009.25
Other Expenses	21	-	-
Prior Period Expenses	22	-	-
TOTAL (B)		₹ 2,82,97,235.83	₹ 1,03,35,563.75
Balance being Surplus / (Deficit) carried to Capital Fund		₹ 7,25,11,094.17	₹ 5,83,74,308.05

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08/10/2020
Junior Assistant(Accounts)

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08/10/2020
Asst. Registrar

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8/10/2020
Registrar

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8.10.2020
Director

**SCHEDULES FORMING PART OF BALANCE SHEET****SCHEDULE 1 - CORPUS / CAPITAL FUND**

Amounts in Rupees

	Particulars	Current Year 2019-20	Previous Year 2018-19
(A)	Corpus Fund/Capital Fund		
Add:	Balance at the beginning of the year	₹ 7,93,98,227.05	₹ 2,02,77,129.00
Add:	Cap-Grant to the extent utilized for Cap. Exp.	₹ 44,04,837.00	₹ 7,46,790.00
Add:	Excess of Income over Expenditure	₹ 7,25,11,094.17	₹ 5,83,74,308.05
	TOTAL	₹ 15,63,14,158.22	₹ 7,93,98,227.05
Less:	Deficit trf from the Income & Expenditure A/c	-	-
	Balance at the year end	15,63,14,158.22	7,93,98,227.05

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08/10/2020
Junior Assitant(Accounts)

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08/10/2020
Asst. Registrar

**SCHEDULE 2 - DESIGNATED / EARMARKED / ENDOWMENT FUNDS/GRANT
BS LOAN**

Amounts in Rupees

Particulars	Current Year 2019-20	Previous Year 2018-19
Balance at the beginning of the year	₹ 18,24,45,710.00	₹ 13,81,92,500.00
Add: Grant from TATA Technologies	-	₹ 2,50,00,000.00
Add: Plan Grant From MHRD	₹ 4,12,00,000.00	₹ 2,00,00,000.00
Less: Payment for Capital Expenditure	₹ -44,04,837.00	₹ -7,46,790.00
TOTAL	₹ 21,92,40,873.00	₹ 18,24,45,710.00

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08/10/2020
Junior Assitant(Accounts)

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08/10/2020
Asst. Registrar



SCHEDULE 3 - CURRENT LIABILITIES & PROVISIONS

Amounts in Rupees

Particulars		Current Year 2019-20	Previous Year 2018-19
A.	Current Liabilities:		
(i)	Sundry Creditors		
	Ashna Enterprises	- ₹	1,79,502.00
	Del Star Marketing	- ₹	14,618.00
	Neutral Publishing House Ltd.	- ₹	18,480.00
	Pankaj Store	- ₹	1,86,882.00
	Steel Craft	- ₹	63,280.00
	Total(A)	₹ -	₹ 4,62,762.00
(ii)	Deposits from Students		
	Caution money payable	₹ 32,60,000.00	₹ 22,60,000.00
	Total (B)	₹ 32,60,000.00	₹ 22,60,000.00
(iii)	Statutory Payable		
	PF subscription	₹ 1,26,000.00	₹ 1,68,000.00
	TDS Payable	₹ 1,09,994.00	₹ 3,30,962.00
	TDS Under GST	₹ 15,841.00	-
	Professional Tax	₹ 25,015.00	-
	NPS	₹ 17,89,149.00	-
	Total (C)	₹ 4,20,65,999.00	₹ 4,98,962.00
(iv)	Other Current Liabilities	₹ 1,34,854.00	-
	Total(D)	₹ 1,34,854.00	-
(v)	Deposit - Others	₹ 30,000.00	-
	Total (E)	₹ 30,000.00	-
B.	Provisions:		
	Salary Payable	- ₹	8,22,370.00
	Honarium to Visiting Faculty & Others	- ₹	60,375.00
	Meeting Exp Payable	- ₹	23,945.00
	Examination Exp payable	-	-
	Advertisement Exp payable	-	-
	Total		₹ 9,06,690.00
GRAND TOTAL (A+B)		₹ 54,90,853.00	₹ 41,28,414.00

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08/10/2020
Junior Assitant(Accounts)

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08/10/2020
Asst. Registrar



SCHEDULE 4- FIXED ASSETS

Amounts in Rupees

S. No.		Asset Name	Gross Block			Depreciation For The Year 2019-20				Net Block			
			Op. Bal. on 01.04.2019	Additions	Deductions	C. Balance	Rate of Depreciation On (%)	Dep. Opening Balance	Depreciation For The Year	Deductions/Adjustments	Total Depreciation	31.03.2020	31.03.2019
1	Land		₹ 1,78,260.0			₹ 1,78,260.0					₹ 1,78,260.0		
2	Site Development												
3	Buildings												
4	Roads & Bridges												
5	Tubewells and Water Supply												
6	Sewerage & Drainage												
7	Electrical Installation & Equipment		₹ 35,500.0			₹ 35,500.0	5.0	₹ 1,775.0		₹ 1,775.0	₹ 33,725.0		
8	Plant & Machinery						5.0						
9	Scientific & Laboratory Equipment		₹ 16,42,512.0			₹ 16,42,512.0	8.0	₹ 1,31,401.0		₹ 1,31,401.0	₹ 15,11,111.0		
10	Office Equipment		₹ 1,61,595.0			₹ 1,61,595.0	7.5	₹ 12,119.6		₹ 12,119.6	₹ 1,49,475.4		
11	Audio Visual Equipment		₹ 24,600.0			₹ 24,600.0	7.5	₹ 1,845.0		₹ 1,845.0	₹ 22,755.0		
12	Computers & Peripherals		₹ 6,61,748.0			₹ 6,61,748.0	20.0	₹ 1,32,349.6		₹ 1,32,349.6	₹ 5,29,398.4		
13	Furniture Fixtures & Fittings	₹ 7,46,790.0	₹ 16,75,344.0			₹ 24,22,134.0	7.5	₹ 56,009.3	₹ 1,81,660.1	₹ 2,37,669.4	₹ 21,84,464.7	₹ 6,90,780.8	
14	Vehicles						10.0						
15	Lib. Books & Scientific Journals						10.0						
16	Small Value Assets		₹ 2,300.0			₹ 2,300.0	100.0	₹ 2,300.0					
TOTAL (A)			₹ 43,61,859.0			₹ 51,28,649.0		₹ 56,009.3	₹ 4,63,450.2		₹ 5,17,159.5	₹ 46,08,189.46	₹ 6,90,780.8
17	Capital Work in Progress (B)												
S. No.	Intangible Assets	Op. Bal. on 01.04.2019	Additions	Deductions	C. Balance	Rate of Depreciation	Depreciation Opening Balance	Depreciation For The Year	Deductions/Adjustments	Total Depreciation	31.03.2020	31.03.2019	
18	Computer Software		₹ 25,278.0		₹ 25,278.0	40.0		₹ 10,111.2		₹ 10,111.2	₹ 15,166.80		
19	E-Journals					40.0							
20	Patents					9YEARS							
TOTAL (C)			₹ 25,278.0		₹ 25,278.0			₹ 10,111.2		₹ 10,111.2	₹ 15,166.80		
GRAND TOTAL (A+B+C)			₹ 44,87,137.0		₹ 51,53,927.0		₹ 56,009.3	₹ 4,73,561.4		₹ 5,27,270.7	₹ 46,24,356.26		

08.10.2020
Junior Assistant (Accounts)

08.10.2020
Asst. Registrar



SCHEDULE 5 - INVESTMENTS

Amount in Rupees

Sl no.		Particulars		Current Year 2019-20		Previous Year 2018-19	
Opening Balance (A)							
1.	F.D. (37969911351)	₹	1,44,30,000.00	₹	1,44,30,000.00		
2.	F.D. (37969927791)	₹	1,00,00,000.00	₹	1,00,00,000.00		
3.	F.D. (37969928343)	₹	1,00,00,000.00	₹	1,00,00,000.00		
4.	F.D. (37969928784)	₹	1,00,00,000.00	₹	1,00,00,000.00		
5.	F.D. (37969929630)	₹	1,00,00,000.00	₹	1,00,00,000.00		
6.	F.D. (37969930099)	₹	1,00,00,000.00	₹	1,00,00,000.00		
7.	F.D. (37969937379)	₹	1,00,00,000.00	₹	1,00,00,000.00		
8.	F.D. (37969938894)	₹	1,35,70,000.00	₹	1,35,70,000.00		
9.	F.D. (37969939285)	₹	1,00,00,000.00	₹	1,00,00,000.00		
10.	F.D. (37969939831)	₹	1,00,00,000.00	₹	1,00,00,000.00		
11.	F.D. (37969946044)	₹	1,00,00,000.00	₹	1,00,00,000.00		
12.	F.D. (37969946838)	₹	1,20,00,000.00	₹	1,20,00,000.00		
Total		₹	13,00,00,000.00				
Current Year (B)							
1.	F.D. (39003226303)	₹	1,99,00,000.00				
2.	F.D. (39003228061)	₹	1,99,00,000.00				
3.	F.D.(39003228389)	₹	1,99,00,000.00				
4.	F.D.(39003231641)	₹	1,99,00,000.00				
5.	F.D.(39003231834)	₹	1,99,00,000.00				
Total		₹	9,95,00,000.00				
TOTAL(A+B)		₹	22,95,00,000.00	₹	13,00,00,000.00		

SCHEDULE 6 - INVESTMENTS- OTHERS

Amount in Rupees

Sl.no	Particulars	Current Year 2019-20	Previous Year 2018-19
TOTAL		-	-

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08/10/2020
Junior Assistant(Accounts)

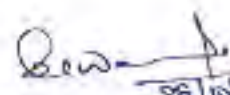
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08/10/2020
Asst. Registrar

**SCHEDULE -7 CURRENT ASSETS**

Amount in Rupees

Sl no.	Particulars	Current Year 2019-20	Previous Year 2018-19
1.	Bank balance with schedule bank		
	SBI Saving Bank (35551469248)	₹ 11,74,73,686.52	₹ 12,90,81,904.30
	SBI Current Account (39114253842)	₹ 4,84,280.69	
	Total	₹ 11,79,57,967.21	
2.	Sundry Debtors		
	NIT Jamshedpur		
	Opening Balance	₹ 14,07,366.00	₹ 14,07,366.00
	Add: Paid During the year	₹ 1,29,537.00	
	Total	₹ 15,36,903.00	
3.	Accrued Income		
	Opening Balance	₹ 41,15,250.00	₹ 41,15,250.00
	Interest accrued on FD during the year	₹ 1,11,04,230.00	
	Total	₹ 1,52,19,480.00	
4.	T.D.S. Recoverable from I.T.Dept.		
	Total		₹ 4,57,250.00
			₹ 4,57,250.00
TOTAL(1 + 2 + 3.)		₹ 13,47,14,350.21	₹ 13,50,61,770.30


08/10/2020
Junior Assistant(Accounts)


08/10/2020
Asst. Registrar



SCHEDULE -8 LOANS, ADVANCES & DEPOSITS

Amount in Rupees

Particulars		Current Year 2019-20	Previous Year 2018-19
1.	Advance to Employees (Non-Interest Bearing)		
	a) Outstanding balance as on 01.04.2019	₹ 2,19,800.00	
	b) Add: Paid during the year	₹ 7,25,149.00	₹ 2,19,800.00
	c) Less: Adjusted during the year	₹ 5,58,125.00	-
	Total	₹ 3,86,824.00	₹ 2,19,800.00
2.	Advance to Employees (Interest Bearing)		
	a) Outstanding balance as on 01.04.2019		
	b) Add: Paid during the year	₹ 83,772.00	
	c) Less: Adjusted during the year		
	Total	₹ 83,772.00	
3.	Deposits		
	a) Outstanding balance as on 01.04.2019	₹ 1,17,36,581.75	
	b) Add: Paid during the year		
	TOTAL (1 + 2)	₹ 1,22,07,177.75	₹ 2,19,800.00

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08/10.2020
Junior Assistant(Accounts)

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08/10/2020
Asst. Registrar



SCHEDULE 9 - ACADEMIC RECEIPTS

Amount in Rupees

Particulars	Current Year 2019-20	Previous Year 2018-19
FEES FROM STUDENT		
A. Academic		
1. Tuition fee	₹ 4,91,73,419.00	₹ 2,87,40,182.00
2. Alumni Membership fee	₹ 2,02,000.00	₹ 1,96,000.00
3. Admission Fee	₹ 2,000.00	
4. Admission Processing Fee	₹ 1,15,000.00	
5. Computer and Internet Fee	₹ 6,62,000.00	
6. Cultural and Technical Fee	₹ 9,93,000.00	
7. Digital Campus Fee	₹ 13,40,000.00	
8. Library Fee	₹ 13,24,000.00	
10. Sports Fee	₹ 6,62,000.00	
11. Student Wellness Fee	₹ 3,31,000.00	
12. Training and Placement Fee	₹ 3,75,500.00	
Total(A)	₹ 5,51,79,919.00	₹ 2,89,36,182.00
B. Examinations		
1. Examinations Fee	₹ 3,31,500.00	-
Total(B)	₹ 3,31,500.00	
C. Other fees		
1. Bus Charges Fee	₹ 6,62,000.00	
2. Electric Charges Fee	₹ 9,45,000.00	
3. Hostel Establishment Fee	₹ 43,06,000.00	
4. Hostel Mess Advance fee	₹ 49,63,500.00	
5. Hostel Room Rent Fee	₹ 37,12,000.00	
6. Medical Insurance Fee	₹ 3,31,000.00	
7. Water Charges Fee	₹ 3,15,500.00	
8. Recruitment Application Fee	₹ 4,67,550.00	
9. Misc Fee	₹ 6,25,900.00	₹ 200.00
Total (C)	₹ 1,63,28,450.00	₹ 200.00
Grand Total(A+B+C+D)	₹ 7,18,39,869.00	₹ 2,89,36,582.00

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08/10/2020
Junior Assistant(Accounts)

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08/10/2020
Asst. Registrar

**SCHEDULE 10 - GRANTS (SUBSIDIES (IRREVOCABLE GRANTS RECEIVED))**

Amount in Rupees

Particulars	Current Year 2019-20	Previous Year 2018-19
Grant Received from Govt. of India Revenue Grant (Recurring)	1,33,00,000.00 ₹	3,00,00,000.00
TOTAL	1,33,00,000.00 ₹	3,00,00,000.00

SCHEDULE 11 - INCOME FROM INVESTMENTS

Amount in Rupees

Particulars	Current Year 2019-20	Previous Year 2018-19
Int on Fixed Deposit	₹ 1,11,04,230.00 ₹	45,72,500.00
TOTAL	₹ 1,11,04,230.00 ₹	45,72,500.00

SCHEDULE 12 - INTEREST EARNED

Amount in Rupees

Particulars	Current Year 2019-20	Previous Year 2018-19
Int on S.B. A/c No. (35551469248)	₹ 44,32,882.00 ₹	49,35,135.00
TOTAL	₹ 44,32,882.00 ₹	49,35,135.00

SCHEDULE 13 - OTHER INCOME

Amount in Rupees

Particulars	Current Year 2019-20	Previous Year 2018-19
Misc. Income	₹ 65,749.00 ₹	28,833.80
License Fee	₹ 45,030.00	
Interest on Income Tax Refund	₹ 20,570.00	
Recruitment Application Fee		₹ 1,38,021.00
TOTAL	₹ 1,31,349.00 ₹	1,66,854.80

SCHEDULE 14 - PRIOR PERIOD INCOME

Amount in Rupees

Particulars	Current Year 2019-20	Previous Year 2018-19
a) Admin Expenses	-	99,000.00
TOTAL	-	99,000.00

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08/10/2020
Junior Assitant(Accounts)

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08/10/2020
Asst. Registrar

**SCHEDULE 15 - STAFF PAYMENTS & BENEFITS (ESTABLISHMENT EXPENSES)**

Amount in Rupees

Particulars		Current Year 2019-20	Previous Year 2018-19
a)	Salary and Wages		
	Contractual (Non-Teaching)	₹ 8,70,574.00	-
	Contractual (Teaching)	₹ 37,31,719.00	₹ 23,13,872.00
	Regular(Non-Teaching)	₹ 21,57,191.00	-
	Regular(Teaching)	₹ 83,40,167.00	₹ 35,76,557.00
	Skilled/Unskilled Worker	₹ 16,87,550.00	-
	Arrear on Salary	₹ 2,24,968.00	-
	Leave Salary & Pension Contribution	₹ 10,67,458.00	-
b)	Allowances & Bonus	-	
	TA to External Expert/Examiners/Officials	₹ 36,279.00	-
	TA to Institute Employees	₹ 11,55,789.00	-
c)	Contribution to NPS	₹ 9,78,230.00	-
d)	Children Education Allowance	₹ 66,774.00	-
TOTAL		₹ 2,03,16,699.00	₹ 58,90,429.00

SCHEDULE 16 - ACADEMIC EXPENSES

Amount in Rupees

Particulars		Current Year 2019-20	Previous Year 2018-19
	Expenses on Seminar & Workshop	₹ 99,979.00	
	Honorarium to Visiting Faculty & Others	₹ 15,01,375.00	₹ 26,73,676.00
	Student Welfare Expenses	₹ 3,49,840.00	
	Admission Expenses	₹ 43,646.00	
	Stipend/means-cum-merit scholarship Others	₹ 7,44,000.00	
	Students medical insurance premium Sport Expenses	₹ 2,84,625.00	₹ 4,57,884.00
	Events National/Rajbhasha/Others	₹ 1,37,880.00	
	Internship Exp.	₹ 15,000.00	
	Training Exp.	₹ 39,834.00	
	Interview Exp.	₹ 1,63,495.00	
TOTAL		₹ 33,79,674.00	₹ 31,31,560.00

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Junior Assitant(Accounts)

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SCHEDULE 17 - ADMINISTRATIVE AND GENERAL EXPENSES

Amount in Rupees

Particulars		Current Year 2019-20	Previous Year 2018-19
A. Infrastructure			
a) Electricity & Power	₹	6,38,769.00	
b) Rent, Rates & Taxes	₹	74,340.00	
c) Security Charges	₹	6,61,650.00	
B. Communication			
d) Telephone, Fax & Internet Charges	₹	1,83,259.00	
C. Others			
e) Advertisement and Publication	₹	3,16,638.00	₹ 3,38,495.00
f) Printing & Stationery	₹	1,28,070.00	₹ 15,683.00
g) Travelling Expenses			₹ 5,99,591.00
h) Meeting Expenses	₹	3,21,855.00	₹ 1,26,426.00
i) Misc Expenses	₹	18,317.00	₹ 40,689.00
j) Hospitality	₹	1,66,707.00	-
k) Magazines & Journals	₹	1,909.00	-
L) Professional Charges	₹	75,520.00	₹ 6,000.00
m) Fooding & Lodging Exp.	₹	30,922.00	-
n) Expenses for expert	₹	10,642.00	-
o) Recruitment Expenses	₹	1,80,969.00	-
p) DOC Expenses	₹	1,52,002.00	-
Total		₹ 29,61,569.00	₹ 11,26,884.00

SCHEDULE 18 - TRANSPORTATION EXPENSES

Amount in Rupees

Particulars		Current Year 2019-20	Previous year 2018-19
a) Vehicle Hire Charges	₹	6,00,567.00	-
TOTAL		₹ 6,00,567.00	-

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08/10/2020
Junior Assistant(Accounts)

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**SCHEDULE 19 - REPAIRS AND MAINTENANCE**

Amount in Rupees

Particulars	Current Year 2019-20	Previous year 2018-19
a) Sanitation and Cleaning	₹ 35,391.00	₹ 14,618.00
b) Repair and Maintenance	₹ 2,39,375.00	₹ 1,14,282.00
c) Campus maintenance Exp.	₹ 34,244.00	-
d) Gardening Exp.	₹ 15,000.00	-
e) Running & Maintenance Exp	₹ 2,37,357.00	-
TOTAL	₹ 5,61,367.00	₹ 1,28,900.00

SCHEDULE 20 - FINANCE COST

Amount in Rupees

Particulars	Current Year 2019-20	Previous year 2018-19
Bank Charges	₹ 3,798.34	₹ 1,781.50
TOTAL	₹ 3,798.34	₹ 1,781.50

SCHEDULE 21 - OTHER EXPENSES

Amount in Rupees

Particulars	Current Year 2019-20	Previous year 2018-19
	-	-
TOTAL	-	-

SCHEDULE 22 - PRIOR PERIOD EXPENDITURE

Amount in Rupees

Particulars	Current Year 2019-20	Previous year 2018-19
Administrative Expenses	-	0
TOTAL	-	-

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INDIAN INSTITUTE OF INFORMATION TECHNOLOGY RANCHI

RECEIPT & PAYMENTS ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2020

Receipts	2019-20		Payments	2019-20	
Opening Balance			Current Liabilities		
Bank Account		12,90,81,904.30	Honarium to Visiting Faculty & Others Payable	60,375.00	
Grant Received			Meeting Exp Payable	23,945.00	
Grant From MHRD (35)	4,12,00,000.00		Sundry Creditors	22,61,543.00	
Grant From MHRD (31)	1,33,00,000.00	5,45,00,000.00	Deposit Others	30,000.00	
Current Liabilities			Deposits From Student	70,000.00	
EMD Deposit	60,000.00		Other Current Liabilities	2,63,654.00	
Deposits From Students	10,70,000.00		Statutory Liabilities	19,61,555.00	
Statutory Liabilities	25,50,362.00		Salary Payable(2018-19)	8,22,370.00	54,93,442.00
Other Current Liabilities	3,98,508.00		Fixed Assets	25,278.00	
		40,78,870.00	Intangible Assets		
Current Assets			Small Value Assets	2,300.00	
TDS Receivable	4,57,250.00		Tangible Assets	44,00,559.00	44,28,137.00
Loans & Advances (Asset)	5,15,616.00	9,72,866.00	Investment		
Fixed Assets			Fixed Deposits	9,95,00,000.00	9,95,00,000.00
Tangible Assets	21,000.00	21,000.00	Current Assets		
Income			NIT Jamshedpur	1,29,537.00	
Academic Receipt	7,37,14,859.00		Deposits (Asset)	1,42,980.00	
Interest earned on SB	44,32,882.00		Loans & Advances (Asset)	1,29,08,327.75	1,31,80,844.75
Other Income	2,75,138.00	7,84,22,889.00	Income		
			Academic Receipt	18,75,000.00	
			Other Income	2,130.00	18,77,130.00
			Expenses		
			Academic Expenses	30,08,727.00	
			Administrative & General Exp	23,45,883.00	
			Repairing & Maintenance	3,59,542.00	
			Transportation Exp.	6,00,567.00	
			Finance Cost	3,798.34	
			Staff payment & Benefit (Establishment Exp.)	1,83,21,491.00	2,46,40,008.34
			Closing Balance		
			Bank Account	11,79,57,967.21	11,79,57,967.21
		26,70,77,529.30			26,70,77,529.30

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08/10-2020
Junior Assitant(Accounts)

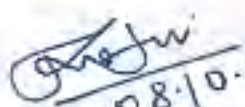
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08/10/2020
Asst. Registrar

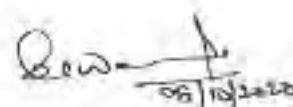


SCHEDULE - 23

SIGNIFICANT ACCOUNTING POLICIES

1. **Basis for preparation of accounts:**
 - i) The accounts are prepared under the Historical Cost Convention and generally on the Accrual method of accounting.
2. **Revenue Recognition:**
 - i) Fees from students are accounted on realization basis.
 - ii) Interest on Investment are accounted on accrual basis.
3. **Fixed Assets and Depreciation:**
 - i) Fixed assets are stated at cost of acquisition including inward freight, duties and taxes and incidental and direct expenses related to acquisition, installation and commissioning.
 - ii) Fixed assets are valued at cost less accumulated depreciation. Depreciation on fixed assets is provided on straight line method.
 - iii) Depreciation is provided for the whole year on additions during the year.
4. **Stocks:** Inventories purchased by various departments/centers/sections are treated as consumed during the year of purchase and booked to revenue expenditure.
5. **Income Tax:** The income of the Institute is exempted from Income Tax under section 10(23C) of the Income Tax Act. Therefore, no provision of Tax is made in the accounts.


08/10/2020
Junior Assistant(Accounts)


08/10/2020
Asst. Registrar



SCHEDULE - 24

Notes to Accounts

1. **Basis for preparation of accounts:** The accounts are prepared under the Historical Cost Convention and generally on the Accrual method of accounting.
2. **Revenue Recognition:** Fees from students are accounted on realization basis.
3. **Contingent liabilities:** Nil
4. **Capital Commitment:** Nil
5. **Current assets loans and advances:** In the opinion of the Institute the current assets and deposits have a value on realization in the ordinary course equal at least to the aggregate amount shown in the balance sheet.
6. All figures mentioned in the annual accounts are in Rupees.
7. Scheduled **01 to 22** is annexed to form an integral part of the Balance Sheet as at 31.03.2019 and the Income & Expenditure for the year ended on that date.
8. Total 66.14 acre land has been allotted free of cost by the government of Jharkhand and handed over on 13.02.2019
9. **Capital & Revenue Grant :** The Details of Capital and Revenue Grant received during FY 2019-20 is as under -

a) Capital Grant received

Dated	Amount(In Rs)
01.10.2019	18,00,000
01.10.2019	1,85,00,000
01.10.2019	9,00,000
29.02.2020	2,00,00,000
Total	4,12,00,000

b) Revenue Grant received

Dated	Amount(In Rs)
01.07.2019	87,50,000
01.07.2019	4,00,000
01.07.2019	8,50,000
01.01.2020	33,00,000
Total	1,33,00,000

8. Previous year figures have been regrouped/re-arranged wherever necessary.

08/10/2020
Junior Assistant(Accounts)

08/10/2020
Asst. Registrar





राज कुमार
IAAS

RAJ KUMAR
IAAS



महानिदेशक लेखापरीक्षा (केंद्रीय)
लखनऊ

DIRECTOR GENERAL OF AUDIT (CENTRAL)
Lucknow-226013

तृतीय तल, ऑडिट भवन,
टी०सी०-३६-ट-१, विभूति खण्ड, गौमती नगर,
लखनऊ-२२६०१० (उ०प्र०)

D.O.NoDGAC/LKO/SAR-IIITR/2019-20/

Dated: August 17, 2021

Dear Sh Vishnu

The Annual Accounts of the Indian Institute of Information Technology, Ranchi for the year 2013-20 have been audited and the Audit Report thereon has been issued vide letter No DGAC/LKO/DSAR-IIITR (2019-20)/2021-22/ Dated: 17. 08.2021.

During the course of audit, certain deficiencies have been noticed which are of relatively minor nature and therefore not included in the Audit Report. These are being brought to your notice for corrective and remedial action.

With Regards

Yours'

Dr. Vishnu Priye,
Director,
The Indian Institute of Information Technology,
Ranchi-834010



1. Loss of interest due to parking of money in saving banks accounts ₹109.45 lakh.

Investment of surplus fund in interest generating safe avenue is an elementary aspect of cash management.

During the examination of Annual Accounts of IIIT, Ranchi it was revealed that ₹1184.93 lakh of surplus fund had been parked in savings bank account from 2016-17 to 2019-2020 (four years) as detailed below:

(₹in lakh)			
Savings Bank A/C No.	Year	Amount parked	Interest earned
35551469248Sch-7	2016-17	1184.24	26.84
Sch - 7	2017-18	1472.33	52.36
Sch-7	2018-19	1290.82	49.35
Sch-7	2019-20	1174.74	44.32
			172.47

Parking of such a huge amount in savings bank account from 2016-17 to 2019-20 earned interest of ₹172.47 lakh only by the institute. Investment of the surplus fund in TDR/Flexi could have fetched higher rate of interest @6 per cent per annum approximately and earned about ₹281.92 lakh (₹1174.74 X 6% X 4 years). Thus the Institute incurred a loss of ₹109.45 lakh during the period for 4/2016 to 3/2020.

2. Understatement of Capital Fund by ₹ 0.02 lakh

The Institute had incurred ₹44.07 lakh from Capital grant during the year for creation of assets but showed ₹44.05 lakh under Capital fund (Sch-1). This resulted understatement of Capital Fund by ₹0.02 lakh.