



भारतीय सूचना प्रौद्योगिकी संस्थान, रांची Indian Institute of Information Technology, Ranchi

Science & Technology Campus, Namkum, Ranchi - 834010, Jharkhand

Annual Report 2021-22



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DIRECTOR'S MESSAGE



In the Academic Year 2021-22, the pandemic situation came under control and the institute campus arose from 2 - year hibernation with Final Year students joining during October 18 – 20, 2021 and later all students joined in February 14, 2022. The classes started in physical mode. Under the aegis of Chairperson, BoG and fully constituted BoG with distinguished members from Academia and Industry, gave impetus and direction to tread a path of brand building and achieving excellence. It was decided that IIIT Ranchi should have a brand in itself by evolving in the field of 3D – Design Thinking, Digital Technology and Data Science. To start with, IIIT Ranchi is on the verge of launching Executive M Tech programs for working professionals in Design Thinking, Electrical Communicating Vehicles, Data Science & AI, and Embedded system & IoT.

The prevalent B. Tech (H) program was re-organized and both B Tech and B Tech (H) were launched. The B Tech (H) course was offered to students achieving 8.50 CGPA after 4th Semester and they have to earn extra 12 credits to be eligible for Honours degree. With revised syllabi approved by Senate and BoG, 4 B. Tech / B Tech (H) courses were launched and number of student seats allocated for fresh admission was increased to 270 from 150.

As the number of students increased, hostel accommodation at campus of Jharkhand University of Technology (JUT), Namkum, Ranchi became insufficient. With hectic effort and support of Government of Jharkhand, the campus at Jharkhand Urban Planning Management Institute (JUPMI), Dhurwa, Ranchi, with hostel and residential facilities was allotted to IIIT Ranchi that became active with about 300 students of final, third and second years. For the first year freshers, academic building and hostels were retained in the JUT campus.

In the permanent campus of IIIT Ranchi at Sanga Village, Kanke, Ranchi, mutation was done in the name of institute for the government and private lands allotted by Government of Jharkhand. Boundary wall is completed for approximately 2.10 kms of 2.90 kms of perimeter. Meanwhile, the CPWD have finalized the tender for the first phase of constructions that encompasses Boys Hostel, Girls Hostel, Academic and Administrative buildings.

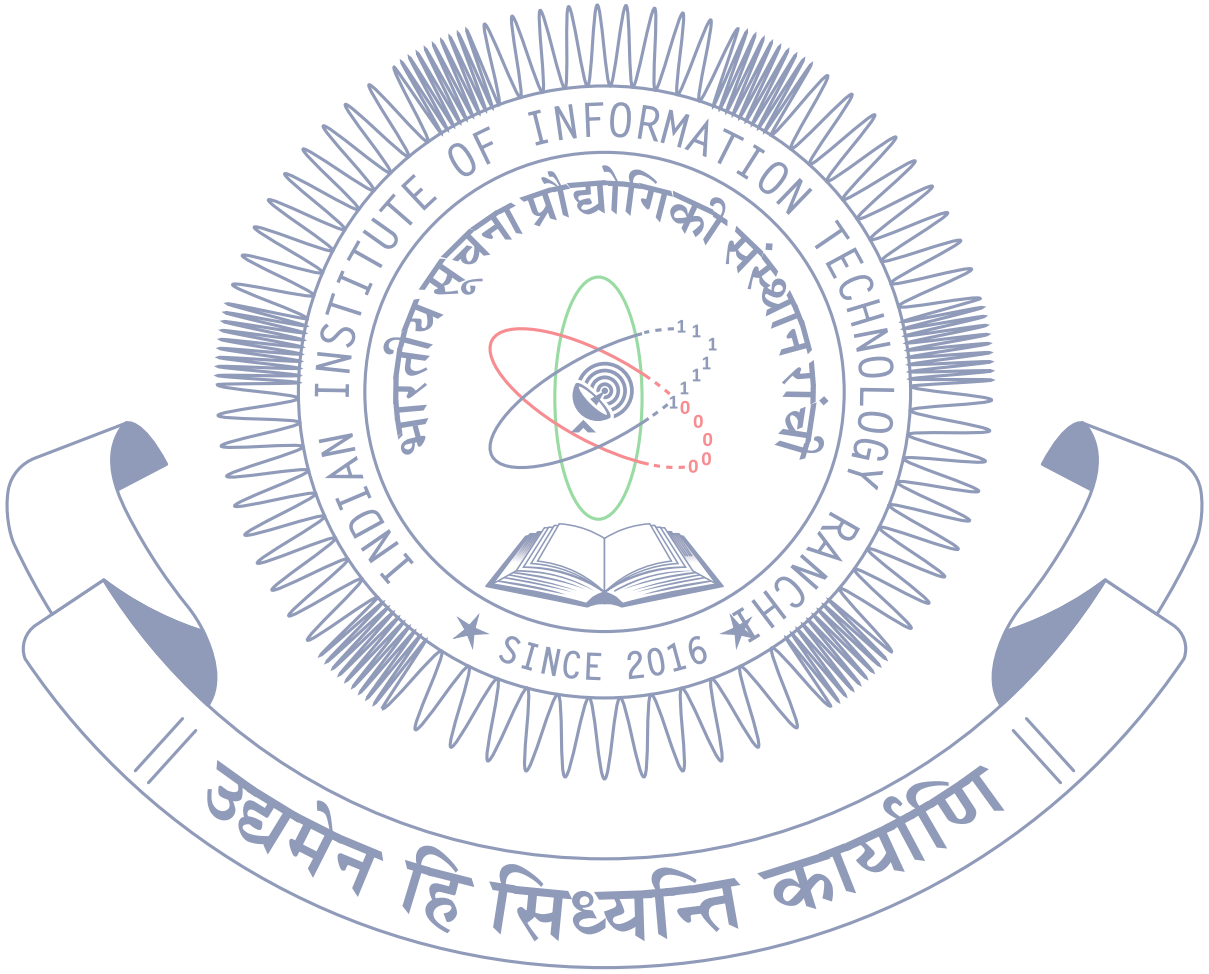
Due to COVID 19 lockdown, selections of faculty and staff against regular post were deferred. To sustain the academic activities seven temporary faculties were appointed and services of three guest faculties were taken. New syllabus for B. Tech / B. Tech (Hons.) were passed by Senate and BoG for upcoming batch. M.Tech rules were formalized and two M.Tech Programs were launched.

Under ATAL initiative of AICTE/ MoE, four FDP programs were conducted where eminent academicians from India and abroad delivered their lectures. Over 350 participants from all over India participated and appreciated the programs through online feedback.

By December 2021- January 2022, the faculty strength increased to 26. All faculty are contributing in the Institute's journey towards excellence by taking responsibilities in the percentage of 40% academic, 40% research and 20% administrative.

IIIT Ranchi has taken its roots and in years to come will flourish as one of the premier Institute of India and Jharkhand working in close collaboration with industries.

(Vishnu Priye)
Director, IIIT Ranchi





01. BRIEF OVERVIEW

1.1 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 Technologies Limited, 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.

1.2 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.

02. ADMINISTRATION

2.1 Board of Governors

Name & Designation	Serving as
Shri Arun Jain Chairman & Managing Director Intellect Design Arena Ltd, Chennai	Chairperson
Prof Vishnu Priye Director, IIIT Ranchi	Member
Shri. Rakesh Ranjan AS (TE), Ministry of Education, New Delhi	Member
Shri. Arun Kumar Director (Technical Education) Dept. of HTE & SD Govt. of Jharkhand	Member
Prof. Sandeep Sancheti Vice Chancellor (Provost), Marwari University Gujarat	Member
Prof. Rajiv Shekhar Director (IIT) ISM Dhanbad	Member
Prof. Rajashree MS Vice Chancellor, APJ Abdul Kalam Kerala Technical University	Member
Dr. K. Kesavasamy Advisor, Tata Consultancy Services	Member
Dr. P.C. Panchariya Director, CSIR, CEERI Pilani	Member
Ms. Uma Ratnam Krishnan Managing Director & Co- CEO Barclays Global Services	Member
Shri Anupal Banerjee (from April 2021 to August 2021) Ms. Savitha Balachandran (from September 2021 to March 2022) CFO TTL	Member
Shri Binju Abraham Professional Assistant for Development Assistant	Member
Prof. Amar E. Tigga Xavier Institute of Social Services Pathalkudwa, Nayatoli, Ranchi	Member
Dr. Jitendra Kumar Mishra Assistant Professor, IIIT Ranchi	Member
Dr. Shashi Kant Sharma Assistant Professor, IIIT Ranchi	Member
Dr. Satya Mandal Registrar, IIIT Ranchi	Secretary



2.2 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. Dhananjay Bhakta Assistant Professor & faculty In-charge, Website IIIT Ranchi	Member
Dr. Satya Mandal Registrar, IIIT Ranchi	Secretary



2.3 Finance Committee

Name & Designation	Serving as
Shri Arun Jain Chairman & Managing Director, Intellect Design Arena Ltd., Chennai	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	Member
Shri. Gopal Ji Under Secretary Planning-Cum-Finance Department (Finance Department) Govt. of Jharkhand	Member
Shri. J.P. Vishwakarma GM (F) CA & T, CCL, Ranchi Central Coalfields Ltd.	Member
Dr. Satya Mandal Registrar, IIT Ranchi	Secretary

2.4 Building & Works Committee

Name & Designation	Serving as
Prof. Vishnu Priye Director, IIIT Ranchi	Chairman
Prof. AKL Srivastava Dean (Planning & Development) NIT Jamshedpur	Member
Dr. Arun Kumar Director (Technical Education) HTE & Skill development, Govt. of Jharkhand	Member
Shri A. C. Moharana GM (Civil), 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. Jayakant Kumar Jha SGM I/c (Civil & Architecture) MECON limited Government of India Enterprises Doranda Ranchi	Chairman
Professor P.K. Sadhu Dept. of Electrical Engineering IIT (ISM) Dhanbad	Member
Dr. Satya Mandal Registrar, IIIT Ranchi	Member



03. ACADEMICS

Imparting quality education to develop next generation professional scholars, fit for globally competitive environment, IIIT Ranchi offers UG, PG and PhD programme related to ECE and CSE branch 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 2021-22, IIIT Ranchi offered UG, PG and PhD programs. Due to the COVID-19 pandemic, in previous academic year the courses were conducted in online mode. However, from October 18, 2021 classes of final year B.Tech was initially conducted in off-line mode and later from February 14, 2022 all the classes started in offline mode.

The details of Programs offered by IIIT Ranchi in the academic year 2021-22 are given below:

Sl. No.	Courses Offered	No. of Courses in 2021-22
1.	4-Year B.Tech.	04
2.	2-Year M.Tech.	02
3.	Ph.D.	In CSE & ECE
	Total	08

3.1 Undergraduate Programmes

The Institute offers 4-years B. Tech./B.Tech(Honours) degrees in Computer Science & Engineering and Electronics and Communication Engineering along with two new B.Tech Specialization courses are introduced in 2021-22. Those are B.Tech/B.tech (Hons) in ECE with specialization Embedded & IOT and B.tech/B.tech (Hons) in CSE with specialization Data Science & Artificial Intelligence The student strength of various programmes during the Academic year 2021-22 is presented in the subsequent sections.

Sl. No.	Academic Programs Offered	Intake			
		2018-19	2019-20	2020-21	2021-22
1.	B.tech/ B.tech (Hons) in ECE	60	65	75	120
2.	B.tech/ B.tech (Hons) in CSE	60	65	75	90
3.	B.tech/ B.tech (Hons) in ECE with specialization in Embedded System and IOT	N.A.	N.A.	N.A.	30
4.	B.tech/ B.tech (Hons) in CSE with specialization Data Science and Artificial Intelligence	N.A.	N.A.	N.A.	30



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/ Autumn Semester (July-December), and an Even/ Spring 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.

3.2 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 in Computer Science & Engineering

- ✓ Specialization: Artificial Intelligence and Data Science

M. Tech in Electronics & Communication Engineering

- ✓ Specialization: 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 comprise of theory and practical (laboratory) subjects. The 3rd and 4th semesters have project work. The curricula essentially comprise of project works and seminars. There are various other essential activities which the students must fulfil such as class test, submission of assignments, viva-voce tutorials etc.

3.3 Ph.D. Programs

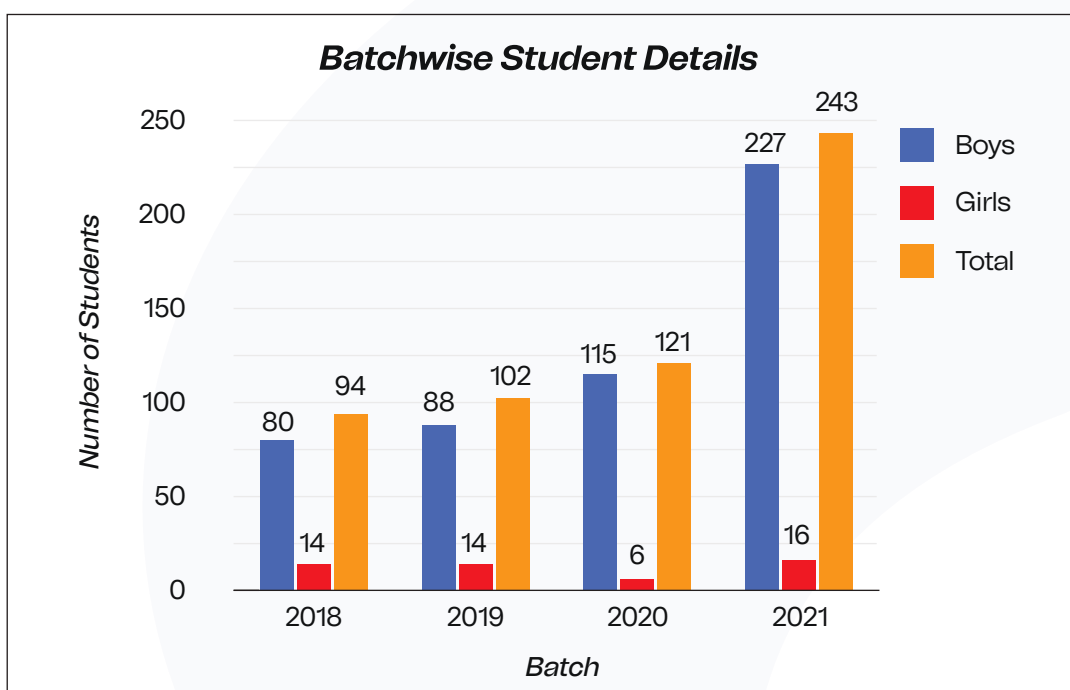
Ph.D. Programs, both Part Time and Full Time in Computer Science & Engineering.

- ✓ 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.

3.4 B.Tech. Enrolment

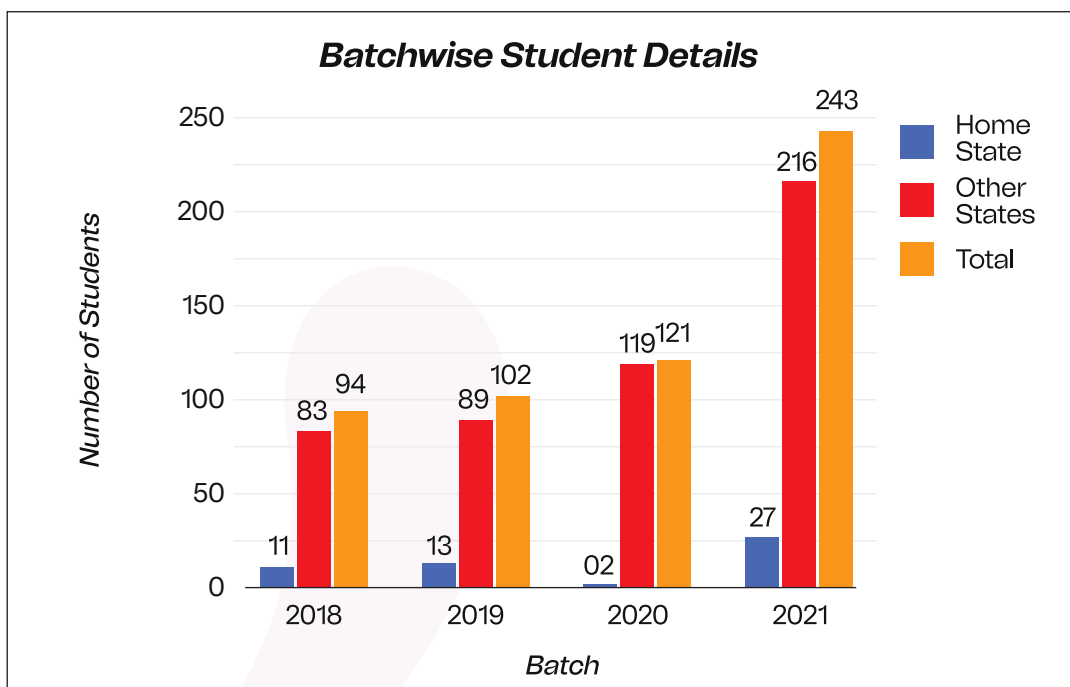
The B.Tech student strength in 2020-21 has gone up to 560. The student strength over last 4 years is given here:

Batch	Boys	Girls	Total
2018	80	14	94
2019	88	14	102
2020	115	06	121
2021	227	16	243



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

Batch	Home State	Other State	Total
2018	11	83	94
2019	13	89	102
2020	02	119	121
2021	27	216	243



3.5 M.Tech. Enrolment

Two M.Tech. programmes were introduced from the academic year 2020-21. Those are M.Tech in ECE with specialization Embedded & IOT and M.Tech in CSE with specialization Data Science & Artificial Intelligence. The year wise M.Tech enrolment status is given in the following table.

Discipline	Batch	
	2021-22	2020-21
M.Tech in CSE with Specialization Data Science & Artificial Intelligence	02	08
M.Tech in ECE with Specialization Embedded System & IoT	04	01
Total	06	09

3.5 PhD Enrolment

The Ph.D. enrolment started from the academic year 2019-20 and the year wise PhD enrolment statistics is as follows

Discipline	Batch		
	2021-22	2020-21	2019-20
Computer Science & Engineering	04	03	03
Electronics & Communication Engineering	03	07	05
Total	07	10	08



04. RESEARCH AND DEVELOPMENT

4.1 Research Cells

The B.Tech student strength in 2020-21 has gone up to 560. The student strength over last 4 years is given here:

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

The mission of the Advanced Wireless Communication system research cell is to pursue the research and development of advanced technology that will meet societal demands for new wireless communication functions and to train highly skilled researchers capable of making contributions at a global level.

Apart from these, two research cells namely Quantum Computing Research Cell and Design & Thinking Research Cells have been proposed.



4.2 Laboratories

Analog Communication Lab and Digital Communication Lab

Analog Communications lab is completely developed which is equipped with all the required hardwares and softwares. This lab provides the information about the different types of modulators and demodulators used and types of techniques used for the processing of the analog (continuous) signals. The purpose of digital communication lab is to explore digital communications with a software radio to understand how each component works together. The lab will cover, analog to digital conversion, modulation, pulse shaping, and noise analysis.

Electronic Devices and Circuits Lab/Digital Electronics Lab/Analog Electronics Lab

Electronic Devices and Circuits/ Digital Electronics/ Analog Electronics Labs are equipped with the latest state of the art equipment to support knowledge dissemination in the classroom and provide hands-on practical experience to students. The labs are fully equipped with high end equipment and aims to develop the fundamentals related to electronic devices, analog and digital circuits to ensure that student get the fundamental knowledge.

Microprocessor, Microcontroller, Embedded System and IoT Sensor and Actuator Lab

Experimental Equipment/ Kits for Microprocessor, Microcontroller, Embedded System and IoT Sensor and Actuator Lab for proper functioning of the Microprocessor and Embedded System related Lab of B.Tech and M.Tech curriculum for both ECE and CSE department.

4.3 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.

4.4 Research Publications

A. Journals

1. Reddy, M. B., Thangaraj, J., & Priye, V. (2022). Multiservice Provisioning Optical Code Switched Generalized Multiprotocol Label Switching Optical Networks. *Wireless Personal Communications*, 1-19.
2. Singh, R., Chack, D., & Priye, V. (2022). SNROW-based highly sensitive label-free surface biosensor for hepatitis B detection. *Applied Optics*, 61(22), 6510-6517.
3. Singh, R. R., & Priye, V. (2022). Analytical prediction for quasi-TE mode in silicon nanowire optical rectangular waveguide. *Journal of Computational Electronics*, 1-11.
4. Singh, R., & Priye, V. (2022). Si₃N₄-SiO₂ based curve slot waveguide for high confinement factor and low mode effective area along with biosensing application. *Silicon*, 14(3), 859-867.
5. Singh, R., Priye, V., & Chack, D. (2022). Highly sensitive refractive index-based sensor for dna hybridization using subwavelength grating waveguide. *IETE Technical Review*, 1-10.
6. Agarwal, S., Mishra, J. K., & Priye, V. (2022). Design and Analysis of Thermo-optic Photonic Crystal Waveguide-Based Optical Modulator. In *Recent Trends in Electronics and Communication* (pp. 1001-1007). Springer, Singapore.
7. Agarwal, S., Mishra, J. K., & Priye, V. (2022). Analysis of Nano Opto-Mechanical Tuning of Photonic Crystal Waveguide-Based Device for Pressure Sensing. In *Recent Trends in Electronics and Communication* (pp. 993-1000). Springer, Singapore.
8. Singh, K. K., Mahto, S. K., & Sinha, R. (2022). A review: Material characterization with metamaterial based sensors. *Sensor Review*, (Accepted).
9. Kumar, R., Sinha, R., Choubey, A., & Mahto, S. K. (2022). A circular monopole antenna with uniquely packed quad T-shaped strips for WLAN/WiMAX application. *Frequenz*.
10. Singh, A. K., Mahto, S. K., & Sinha, R. (2022). Quad element MIMO antenna for LTE/5G (sub-6 GHz) applications. *Journal of Electromagnetic Waves and Applications*, 1-16.
11. Kumar, P., Sinha, R., Choubey, A., & Mahto, S. K. (2022). DGS based miniaturized wideband MIMO antenna with efficient isolation for C band applications. *Frequenz*.
12. Kumar, P., Sinha, R., Choubey, A., & Mahto, S. K. (2022). A miniaturized rectangular shape narrowband MIMO antenna with reduced mutual coupling for C-band applications. *Journal of Electromagnetic Waves and Applications*, 1-14.
13. Kumar, R., Sinha, R., Choubey, A., & Mahto, S. K. (2022). Circular shape monopole antenna with modified ground plane proclaiming SWB characteristics. *Frequenz*.
14. Kumar, R., Sinha, R., Choubey, A., & Mahto, S. K. (2022). A Quadrilateral Shaped Fractal Slot Planar Antenna for Ultra-Wide Band Applications. *Australian Journal of Electrical and Electronics Engineering*, 1-13.
15. Pal, P., Sinha, R., & Mahto, S. K. (2022). A Compact Wideband Circularly Polarized Planar Filtenna Using Synthesis Technique for 5 GHz WLAN Application. *AEU-International Journal of Electronics and Communications*, 148, 154180.
16. Pal, P., Sinha, R., & Mahto, S. K. (2022). A wideband omnidirectional planar filtenna for 5 GHz WLAN application. *Journal of Electromagnetic Waves and Applications*, 1-19.



17. Ranjan, P., Mahato, S. K., Choubey, A., Sinha, R., Peraza-Vázquez, H., Barde, C., ... & Roy, K. (2022). The synthesis of a pixelated metamaterial cross-polarizer using the binary wind-driven optimization algorithm. *Journal of Computational Electronics*, 21(2), 453-470.
18. Singh, A. K., Mahto, S. K., & Sinha, R. (2022). Reconfigurable dual element dual band MIMO antenna for 5G (Sub-6 GHz) and WLAN applications. *COMPEL-The international journal for computation and mathematics in electrical and electronic engineering*, (ahead-of-print).
19. Singh, A. K., Mahto, S. K., Kumar, P., Mistri, R. K., & Sinha, R. (2022). Reconfigurable circular patch MIMO antenna for 5G (sub 6 GHz) and WLAN applications. *International Journal of Communication Systems*, e5313.
20. Singh, A. K., Mahto, S. K., & Sinha, R. (2022). A compact quad element MIMO antenna for LTE/5G (sub-6 GHz) applications. *Frequenz*.
21. Singh, K. K., Mahto, S. K., Sinha, R., & Priye, V. (2022). Miniaturized triple notch metamaterial sensor for solid dielectric characterization with improved sensitivity. *Sensor Review*, (ahead-of-print).
22. Kumar, P., Sinha, R., Choubey, A., & Mahto, S. K. (2022). A novel metamaterial electromagnetic band gap (MM-EBG) isolator to reduce mutual coupling in low-profile MIMO antenna. *Journal of Electronic Materials*, 51(2), 626-634.
23. Swain, S. K., Singh, S., & Sharma, S. K. (2022). Performance analysis of dielectrically modulated InSb/Si TFET based label free biosensor. *Microelectronics Journal*, 105607.
24. Jain, N., Sharma, S. K., Kumawat, R., Jain, P. K., Kumar, D., & Vyas, R. (2022). Resistive switching, endurance and retention properties of ZnO/HfO₂ bilayer heterostructure memory device. *Micro and Nanostructures*, 169, 207366.
25. Swain, S. K., Singh, S., & Sharma, S. K. (2022). Effect of temperature on analog/RF and linearity performance of InSb/Si heterojunction SOI TFET. *Micro and Nanostructures*, 207245.
26. Jain, N., Singh, K., Sharma, S. K., & Kumawat, R. (2022). Analog/RF Performance Analysis of a-ITZO Thin Film Transistor. *Silicon*, 1-15.
27. Swain, S. K., Malviya, N., Singh, S., & Sharma, S. K. (2022). InSb/Si Heterojunction-Based Tunnelling Field-Effect Transistor with Enhanced Drive Current and Steep Switching. *Journal of Electronic Materials*, 51(2), 704-711.
28. Jha, D. K., & Mishra, J. K. (2022). Transfer learning approach toward joint monitoring of bit rate and modulation format. *Applied Optics*, 61(13), 3695-3701.
29. Srivastava, D., Bhattacharya, W., Vardhan, S., Malviya, N., & Singh, R. R. (2022). Parametric optimization of hollow core photonic crystal fiber and its comparison with conventional single mode fiber. *Results in Optics*, 9, 100294.
30. Sinha, B. B., Dhanalakshmi, R. (2022). DNN-MF: Deep neural network matrix factorization approach for filtering information in multi-criteria recommender systems. *Neural Computing and Applications*, 1-15.
31. Agarwal, P., & Bahadur Sinha, B. (2022). Scalable resource description framework clustering: A distributed approach for analyzing knowledge graphs using minHash locality sensitive hashing. *Concurrency and Computation: Practice and Experience*, e6966.
32. Ghosh, P., & Bhowmick, B. (2021). An analytical model of surface potential and capacitance in heterojunction SELBOX TFET. *International Journal of Numerical Modelling: Electronic Networks, Devices and Fields*, 34(5), e2887



33. Ghosh, P., & Bhowmick, B. (2022). Study of variability induced by random dopant fluctuation in Fe DS-SBTFT. *Microelectronics Journal*, 105467.
34. Ghosh, P., & Bhowmick, B. (2022). Performance enhancement of a FET device with ferroelectric tunnel junction and its application as a biosensor. *Journal of Computational Electronics*, 1-9.
35. Ghosh, P. (2022). Performance analysis and digital application of vertical L-pattern dual tunnel diode TFET. *Microelectronics Journal*, 105604.
36. Kumari K. Singh, J. P. Dwivedi, Y. K. & Rana, N. P. (2021). Bilingual Cyber-aggression detection on social media using LSTM autoencoder. *Soft Computing*, 25(14), 8999-9012.
37. Kumari K. Singh, J. P. Dwivedi, Y. K. & Rana, N. P. (2021). Multi-modal aggression identification using convolutional neural network and binary particle swarm optimization. *Future Generation Computer Systems*, 118, 187-197.
38. Kumari K. Singh, J. P. (2021). Multi-modal cyber-aggression detection with feature optimization by firefly algorithm. *Multimedia Systems*, 1-12.

B. Conference Proceedings

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2. Kumar, P., Sinha, R., Choubey, A., & Mahto, S. K. (2022). DGS based miniaturized wideband MIMO antenna with efficient isolation for C band applications. *Frequenz*.
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7. Singh, R. R., Srivastava, D., Bhattacharya, W., Malviya, N., & Singh, A. (2022, May). Performance analysis for mode confinement loss of photonic crystal fiber with circular air hole rings around the solid core. In *Micro-Structured and Specialty Optical Fibres VII* (Vol. 12140, pp. 113-118). SPIE.
8. Ranjan, R., Pareek, P., & Malviya, N. (2022, September). Numerical Analysis of Electrically Pumped Si-GeSn/GeSn Quantum Well Transistor Laser. In *2022 International Conference on Numerical Simulation of Optoelectronic Devices (NUSOD)* (pp. 73-74). IEEE.
9. Jain, A., Bhakta, D. (2022). 'Handcrafted and Deep Features for Micro- Expressions: A Study' in the 4th International Conference on Machine Intelligence and Signal Processing (MISP2022).



10. Sagar B. Kudkelwar and Sinha, & B. B. (2021). Levy flight-based crow search algorithm for optimum protection coordination in combined overhead/ cable distribution system. *International Conference on Sustainable Technology and Advanced Computing in Electrical Engineering (ICSTACE)*.
11. Kumar, V., & Sinha, B. B. (2023). Skin Cancer Classification for Dermoscopy Images Using Model Based on Deep Learning and Transfer Learning. In *Computational Intelligence and Data Analytics* (pp. 257-271). Springer, Singapore. (ICCIDA)'2021 – Computational Intelligence and Data Analytics pp 257–271 (Best Paper Award) Part of the Lecture Notes on Data Engineering and Communications Technologies book series (LNDECT, Volume 142).
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14. Ghosh, S., Kuila, P., Biswas, & T. (2022). An Energy Efficient Offloading Technique for UAV-Assisted MEC using Nature Inspired Algorithm. *10th FICTA 2022* (Springer).
15. Dahal, A., Ghosh, S., Kuila, P., & Biswas, T. (2022). Trajectory Planning and Data Collection of UAVs over Disaster Affected Areas. *10th FICTA 2022* (Springer).
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1. Mohanty, R., Mahto, S. K., & Sinha, R. (2022). Brain Tumor Detection: A Review of Early Stage Tumor Detection Techniques. *Internet of Things and Its Applications*, 261-269.
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4. Kumar, R., Sinha, R., Choubey, A., & Mahto, S. K. (2022). A Uniquely Packed 2.4 GHz ISM Band Microstrip Antenna for Bluetooth Devices. In *International Conference on Computational Techniques and Applications* (pp. 227-235). Springer, Singapore.
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7. Agarwal, S., Mishra, J. K., & Priye, V. (2022). Design and Analysis of Thermo-optic Photonic Crystal Waveguide-Based Optical Modulator. In *Recent Trends in Electronics and Communication* (pp. 1001- 1007). Springer, Singapore.
8. Ghosh, P., & Bhowmick, B. (2022). SELBOX TFET and DTD TFET for DC and RF/Analog Applications. In *Contemporary Trends in Semiconductor Devices* (pp. 291-310). Springer, Singapore.

D. Workshops/seminars /training course Organised

1. Dr. Shashi Kant Sharma Organised ATAL Academy Sponsored 5 Days Faculty Development Programme on Topic "Nanoelectronics Devices: Materials to Applications " during December 6-10, 2021 at IIIT Ranchi.
2. Dr. Santosh Kumar Mahto Organised ATAL FDP on Soft Computing and its application in Electromagnetics, from 5to 9 Dec. 2021 at IIIT Ranchi.
3. Dr. Jitendra Kumar Mishra Organised ATAL FDP on Photonics Technology: A New Era of Communication, from September 21-25, 2021 at IIIT Ranchi.
4. Dr. DhananJoy Bhakta Organised ATAL FDP on Advance Statistical& Machine Learning Models (ASMLM-2021), from 15to 19 Dec. 2021 at IIIT Ranchi.

4.5 Patents Filed

Institute is very much aware and understands the importance of IPR. Following Patent is filed in the year 2021.

Sl. No.	Filing Date	Patent Name	Details
1.	27 th December 2021	A nanofiber filter mask to protect against covid-19 virus and its variant	Name of Applicant: Indian Institute of Information Technology, Ranchi Inventor Name: Prof. Vishnu Priye

4.5 Incubation Center

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.

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.

05. INFRASTRUCTURAL FACILITIES

5.1 Interim Campus at Jharkhand University of Technology (JUT) Ranchi

For conducting the academic and administrative operations of the institute, IIIT Ranchi has been provided with the Academic Block of Jharkhand University of Technology according to letter no. सू०पौ०/IIIT/SSC-58/2014-206 dated February 28, 2019. The academic block with three floor building consists of fully centralized AC. The institute comprises of 4500 Sq. meter of generator supported built up area for proper 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

5.2 Interim Campus at Jharkhand University of Technology (JUT) Ranchi

High-speed broadband internet facility has been provided at the interim campus for students, faculties and stakeholders. Followings are the infrastructural development for the same:

Sl. No.	Equipment/Service
1.	Purchase 100 Mbps Leased Line from BSNL
2.	Purchase of 100 Mbps Back-up Bandwidth from Power Grid
3.	1. Cisco Manage L2 Switch 2. Digisol Access Point 3. Cat 6 UTP Cable
4.	Router Board 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

Moreover, following infrastructural developments were set up;

1. Setup of Electronics and communication laboratory.
2. Setup of Analog laboratory
3. Setup of Computer lab.
4. Setup of Faculty Chamber.
5. Setup of Administrative offices.



5.3 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 (Deleted)
Total		37.24

There was partially mining of plot no. 267 so, a letter along with survey report was forwarded to Higher Technical Education and Skill development with request for in lieu allotment of land adjacent to Main Plot – A of 50.29 Acres.



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
180	1363	0.17			
119	1439	0.26			
119	1392/1908	0.12			
Total					14.95



Sl. No.	Type of Land	Area in Acres
1.	Land of Government of Jharkhand	37.24
2.	Land procured by Government of Jharkhand	14.95
	Total	52.19

1. Mutation of 51.64 Acres Land for Plot-A completed in Dec'2021. (14.40 Acres Private land and 37.24 Acres Govt. Land).
2. 0.55 Dismil additional land missed out in earlier record has been approved for addition to IIIT allotted land and compensation amount of 1.47 Crores has been transferred from Higher Technical education to District Land Acquisition Office, Ranchi
3. 9 pending court cases stands unresolved in LA court for Plot-A of IIIT Ranchi

5.4 Interim Campus at JUPMI

For the effective academic functioning of the institute, the JUPMI campus has been provided with 11,421.67 Sq. ft. of area for the academic block which comprises of 12 faculty rooms, class rooms of 3,235.72 Sq. ft. of area, two computer labs and project labs, nine cubical partitions and one seminar hall.

5.5 Infrastructural Development at Permanent Campus of IIIT Ranchi

In the permanent campus of IIIT Ranchi at Sanga Village, Kanke, Ranchi following infrastructural developments are carried out.

1. Construction of boundary wall is completed for approximately 2.10 KMs of its 2.90KMs of its total perimeter.
2. Preliminary estimate is submitted of by CPWD.
3. Budgeting, estimation and tender document were also prepared by CPWD.

5.6 Central Library

The institute has modern library with which forms the integral part of different research and academic activities. The collection of books has been arranged and separated department wise for easy searching of books. Based on the recommendations proposed by the faculty and students of the institute, the library procures more than 1163 number of books. There is a separate section having optimum room capacity of 40 for the benefit of the UG, PG, PhD scholars and faculty members. To meet the learning, teaching and research requirements the central library provides different services to the academic fraternity of IIIT Ranchi. For accessing the online resource five computers have been installed by the institute.

Services and Facilities

The Library, in this short period of time has procured most of the basic library equipments, furniture and stationary items. It remains open open from 08:00 hrs to 18:00 hrs and 360 days around the year and provides user friendly services and facilities. Library, IIIT Ranchi, has a large scope of developing its service and provides the same to the users. To provide finest reading facility to the students and other staffs, the central library allocates an entire hall benefitting the users. A Book Exhibition has been organized on 19th and 20th April 2022 at IIIT Ranchi JUPMI Campus.



06. TRAINING AND PLACEMENT

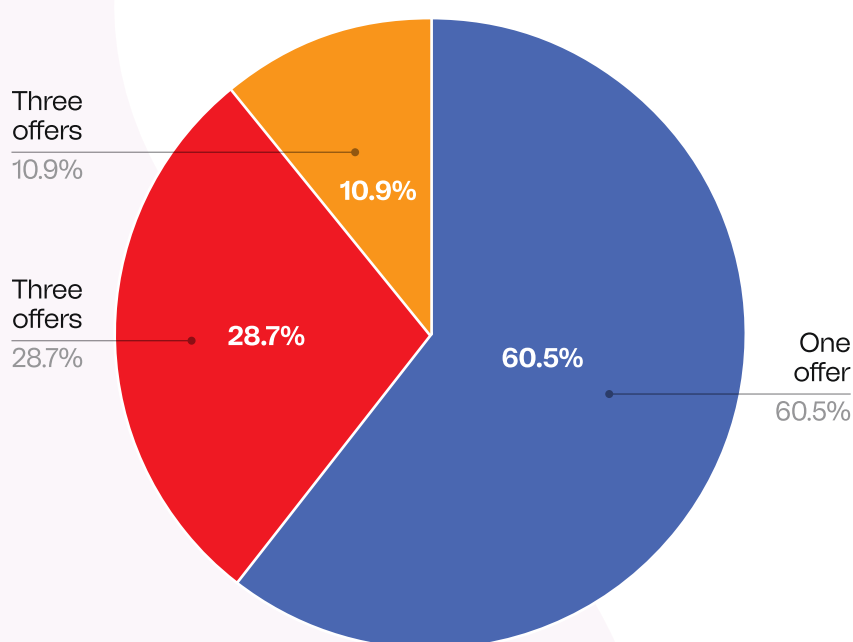
The aim of training and placement cell is to create a platform for students for exploring their creative potential and nurturing the spirit of entrepreneurship and critical thinking. The cell has done excellent work in providing opportunities for students through campus placements in the year 2021-22.

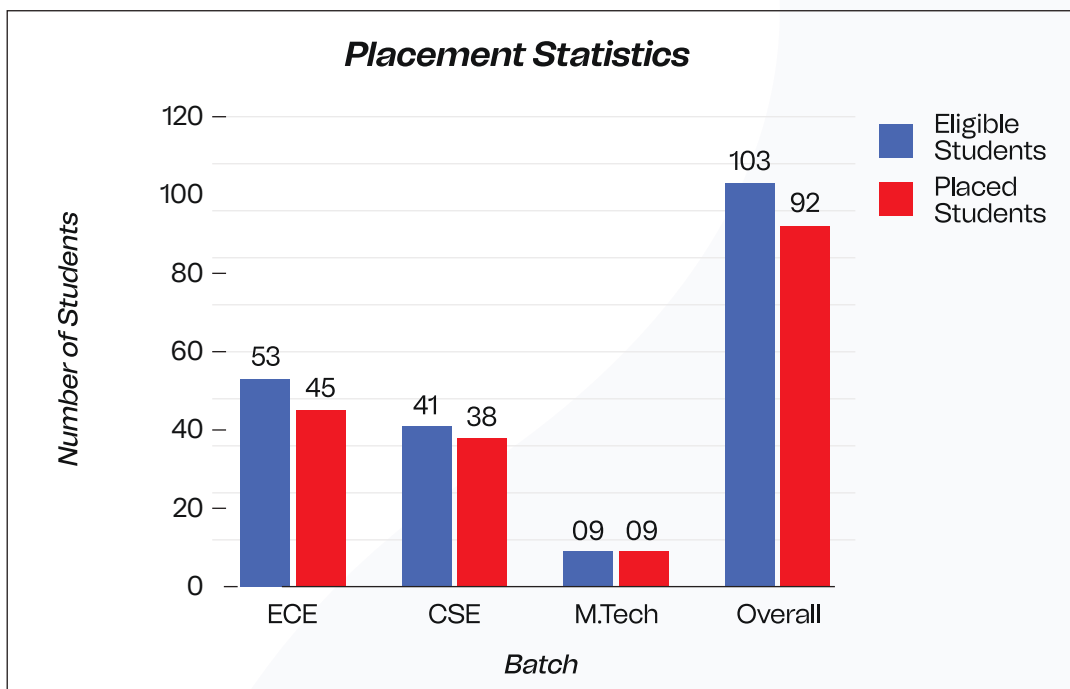
6.1 Placement Statistics

In year 2021-22, the placement activity was conducted for the B.Tech batch 2018-2022 and MTech batch 2020-2022. 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 125 placement offers were received from different companies having the highest package of 46 LPA and average package of 12 LPA.

The placement statistics of the B.Tech batch 2018-2022 and MTech batch 2020-2022 has been analysed below:

Stream	Eligible Students	Placed Students	Students with 1 offer	Students with 2 offers	Students with 3 offers	Total Offers
ECE	53	45	37	24	09	70
CSE	41	38	32	11	05	48
M.Tech	9	9	5	2	00	7
OVERL-ALL	103	92	78	37	14	125





6.2 Companies Visited

A total of 51 companies visited IIIT Ranchi for recruitment. These companies are:

Tekion, Infoedge, Deloitte, JungleWorks, ITH Technologies, Truminds, Publicis Sapient, Hyperverge, 314e, Goldman Sachs, Amazon, Intuit, Infosys, Morphle Labs, Capgemini, IBM, MAQ Softwares, Technogise, Ericsson, Vassar Labs, PlanetSpark, Nvidia, Prepbytes, Intellipaat, Salesforce, ZopSmart, DeltaX, Zensar, FIS, Zeotap, Productiv ,Adobe, Anthem, Indiamart, CGI, Jio Platforms, Logic Fruit, Cognizant, Broadridge, Super Daily, Brighosa, Sapio, Samsung SDS, TCS Innovator, CGI, Affine, Synopsis, Walmart, Synapse Design, Angle One

6.3 Assistantships to Students

IIIT Ranchi is registered under different Central, State, and Public sector scholarship schemes. All eligible students are benefitting from these schemes.

The following schemes are:

1. National Scholarship Portal
 - ✓ Ministry of Minority Affairs
 - ✓ Department of Empowerment of Persons with Disabilities
 - ✓ Ministry of Social Justice & Empowerment



- ✓ Ministry of Labour & Employment
- ✓ Ministry of Tribal Affairs
- ✓ Department of School Education & Literacy
- ✓ Department of Higher Education
- ✓ WARB, Ministry of Home Affairs
- ✓ RPF/RPSF, Ministry of Railway

2. Prime Minister's Special Scholarship Scheme for J & K students.
3. Uttar Pradesh Scholarship and Fee Reimbursement, Government of Uttar Pradesh
4. SJED Rajasthan Scholarship Scheme, Government of Rajasthan
5. Chief Minister Medhavi Vidhyarthi Yojna, Government of Madhya Pradesh
6. Bihar Post Matric Scholarship, Government of Bihar
7. e-Kalyan, Government of Jharkhand

The IIIT Ranchi Scholarship department raises awareness among students about different scholarship schemes. More than 50 students are getting benefits from these scholarships.

07. STUDENT ACTIVITIES

There are numerous clubs and societies in IIIT Ranchi. There are many activities conducted in the FY 2021-2022 which are detailed in this section.

7.1 HOUSE OF GEEKS (HOG): Technical Society of IIIT Ranchi

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.

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:

- i) **Technical Communities**
 - a. Community of Software Development
 - b. Community of Competitive Coding
 - c. Community of Core Electronics
 - d. Community of Data Science and Artificial Intelligence



- e. Community of Robotics and Automation
 - f. Community of Cybersecurity, Cryptography and Blockchain Community
 - g. Community of Internet of Things
- ii) **Non-Technical Communities**
- a. Team CreaXns – Creativity and Graphic Designing Team
 - b. Team Anonymous – Promotion, Public Relation and Advertising Team
 - c. Event Management Team
- iii) **Student Branches and Club**
- a. OSA Chapter
 - b. IEEE Student Branch
 - c. Codechef Chapter IIIT RANCHI
 - d. E-Cell
 - e. Google Developers Student Club IIIT RANCHI

MAJOR EVENTS UNDER HOG IN THE ANNUAL YEAR 2021-22

Date	Events
10 th March 2021	Lockout Battles Competitive Programming challenges were given to the participants. Competition was organized to enhance programming skills as well as time and stress management. The contest pushes students to solve a complex problem by breaking it into several subproblems.
30 th March 2021	Core Placement Talk The placement talk related to preparation of placement in VLSI industry was given by Devansh Srivastava (2k18 batch ECE Department) to guide all the students interested in placements on Core industry.
15 th April 2021	Alumni Placement Talks In this event, placed final year students and alumni came together to share their placements journeys with their peers. The Alumni Talk was registered by 66 students and has been attended by 51 students. This Alumni Talk was arranged for Final year & Third year students. The main objective of this Alumni Talk was to make students aware about the new career opportunities in the IT Sector. The final year students that were present: Ankit Kumar (2k18 batch CSE and placed at Intuit) and Abhishek Kumar (2k18 batch CSE and placed at Deloitte).
21 st May 2021	Software Development Tech Discussion Online session was taken by Yash Pandey and Tushar Jain of 2k19 Batch on Introduction to various fields of CS/IT which one can explore as a student
5 th June 2021	Collaboration with PrepBytes Session on Data Structures and Algorithm taken by member of PrepBytes Club, NIT Jamshedpur.



29 th June 2021	Automated Car Project The initiative for development of An Automated Car was inspired by the recent surge in automated car industry. The designed car model was capable of detecting the road signals and taking the right turn accordingly.
3 rd July 2021	Introductory Session on IoT with 2k21 batch An Introduction on IoT was given in online mode to 2k21 batch.
2 nd August 2021	Automated machine for medical check-up. Automated machine for medical check-up was developed by the students which consisted of a line follower, arms control and few sensors.
3 rd September 2021	Introductory Session with 2k21 batch (Robotics) Introductory session on Robotics was given to 2k21 batch.
27 th September 2021	Community project on Home Automation Project on Smart Home Automation was developed. This project is fully automatic and totally controlled by sensors. The system automatically becomes off when no one is present in the room and if someone is there then the system automatically gets on. Similarly, the speed of the fan can be controlled by temperature. Brightness of the bulb can also be controlled. As the concentration of gas increases beyond normal limit the exhaust fan gets automatically on.
2 nd November 2021	PCB designing Event 2 days PCB designing Event was organized. The aim of this event was to enhance the PCB manufacturing skills of students, which comes in handy when they are practicing in the industry as well. The students learnt about how to fabricate their PCB design and they learnt making their own working circuit
11 th January 2022	Sentiment Analysis API API for analysis of Sentiment in the given Passage was developed by the Team.
15 th January 2022	Auto Captioning API API that creates important captions out of the given passage was developed by the Team
20 th January 2022	NSFW Detection API API for classification of image content as either Not Safe For Work (NSFW) or Safe For Work (SFW) was developed by the Team.
1 st February 2022	Summary Creation API API that prepares a Summary of a given piece of written content was developed.
20 th February 2022	Workshop on Fundamentals of Design A one-day session on the fundamentals of design was organized.
15 th March 2022	Geek-a-thon 2.0 Geek-a-thon 2.0 was organized by technical society of IIITR in which was a part of Smart India Hackathon 22 in which 20 teams participated in different real time problems and finding solution for the same. One of the team of from IIITR got selected for the finals.



Software Development Tech Discussion 2021



Lockout Battle 2021



Geek-a-thon 2.0



7.2 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 ensure 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:

- i) KRITI (Art Club)
- ii) LITCLUB (Literature club and Debating Club)
- iii) ALFAAZ (Poetry Club)
- iv) RANGBAAZ (Drama/Skit Club)
- v) ESTILLO (The Fashion Club)
- vi) NRITYARASHI (Dance Club)
- vii) SAAZ (Music Club)

MAJOR EVENTS UNDER CULARITI IN THE ANNUAL YEAR 2021-22

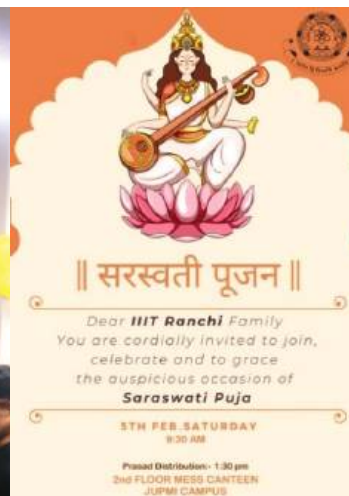
Date	Events
22 nd April 2021	Quiz Competition Quiz competition was organised on the occasion of Earth Day in online mode.
28 th April 2021	Dance Competition Online dance competition was organised for all student batches.
15 th August 2021	Independence Day 75 th Independence Day was celebrated. Flag was hosted by Honourable Director sir at IIITR Namkum Interim campus.
30 th August 2021	Vinayak Chaturthi Organised Religious Program on the occasion of Vinayaka Chaturthi.
5 th September 2021	Teacher's Day Celebrated Teacher's Day in virtual mode which included Dance, Drama, games and singing performance.
13 th September 2021	Alfaaz Event Virtual get together and poetry session for students was organized in online mode.
14 th September 2021	Hindi Diwas Debate competition was organized in virtual online mode on the occasion of Hindi Diwas.



22 th September 2021	Hindi Diwas Essay writing competition was organized in online mode held on the occasion of Hindi diwas.
27 th October 2021	Vigilance Awareness Week Pledge Organised a pledge taking ceremony for vigilance awareness week in virtual mode.
29 th October 2021	Quiz Competition Quiz competition on the occasion of vigilance awareness week was held in online mode.
12 th November 2021	Essay + Speech + Poster Making Competition On the occasion of National Education Day competition organised related to Indian Education System in online mode.
26 th January 2022	Republic Day Republic day was celebrated in hybrid mode where the flag was hosted by Honourable Director sir at the IIITR, JUPMI Interim campus. It was followed by Cultural program in hybrid mode in which students performed in virtual mode and Faculty, officers and staff were present in offline mode.
5 th February 2022	Saraswati Puja Celebration Saraswati puja was celebrated with great pomp and joy in the JUPMI campus of IIIT Ranchi as students came back after almost 2 years in Campus after the removal of restriction due to COVID pandemic.
21 st February 2022	Maatrubhasha Diwas Maatrubhasha Diwas was celebrated with music, poetry, speech, and dance performances and with an elocution competition based on the theme origin and history of my mother tongue.
8 th March, 2022	Women's Day Celebration The event was conducted in two phases. The first one was a 5k Marathon in which all the students from second and third year along with all the faculties and Director sir, actively participated. After that, a small celebration was conducted in the auditorium, where the honourable speaker, Ms. Nazia Nasim, the Crorepati winner of KBC Season 12 was invited as Chief Guest. Ms Nazia shared her thoughts on feminism and interacted with everyone in the virtual mode. All the winners from the Marathon were also felicitated in this program.



Republic Day 2022



Saraswati Puja Celebration 2022



Matrubhasha Diwas 2022



Women's Day Celebration 2022

7.3 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.

MAJOR EVENTS UNDER SPORTS SOCIETY OF IIIT RANCHI IN THE ANNUAL YEAR 2021-22

Date	Events
9 th – 16 th June 2021	Chess Tournament Different teams of students and faculty participated in the chess tournament. Faculty Group Winner: Dr. Ritu Raj Student Group Winner: Aryan Singh Student Group Runner up: Rittick Agarwal



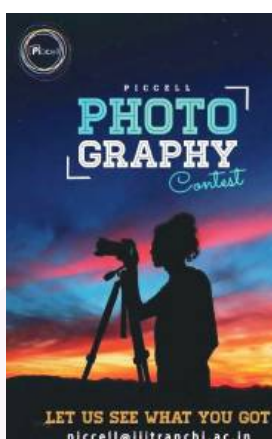
Chess Tournament 2021

7.4 Media Society of IIIT Ranchi

Media Society of IIIT Ranchi plays an important role in each and every event of the institute as every poster and event photographs are made and clicked by media council.

MAJOR EVENTS UNDER MEDIA SOCIETY OF IIIT RANCHI IN THE ANNUAL YEAR 2021-22

Date	Events
6 th June 2021	Videography Competition Videography Competition was conducted for the students on virtual online mode.
21 st December 2021	Halftone Black and white Photography was conducted Competition for the students on virtual online mode.



Halftone Photography Competition

08. MEDIA OUTREACH ACTIVITIES

Public relations are important part of developing an organisation. Media outreach is the process of increasing the public exposure by connecting with journalists, editors, bloggers or social media influencers.

The achievements and different techno-cultural activities were covered through different newspaper articles to gain a wider visibility and coverage as well as for garnering public attention for IIIT Ranchi. Through this IIIT Ranchi gained exposure, public reputation and professional network.



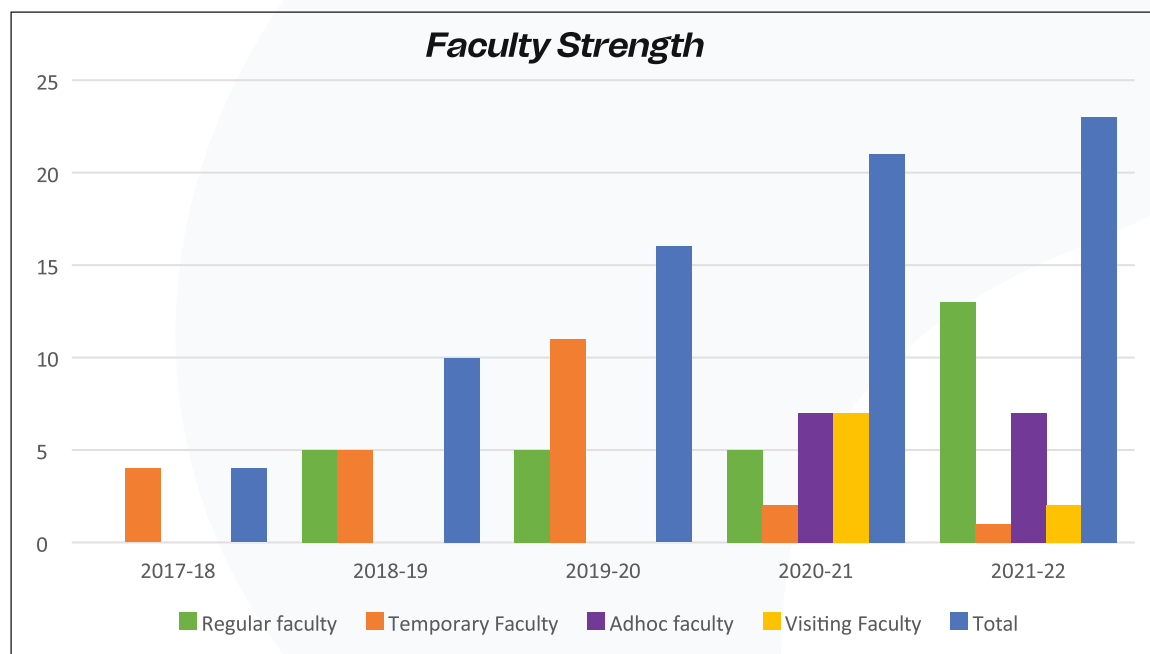
09. PERSONNEL DETAILS

The sanctioned faculty strength as per 4th Governing Body is

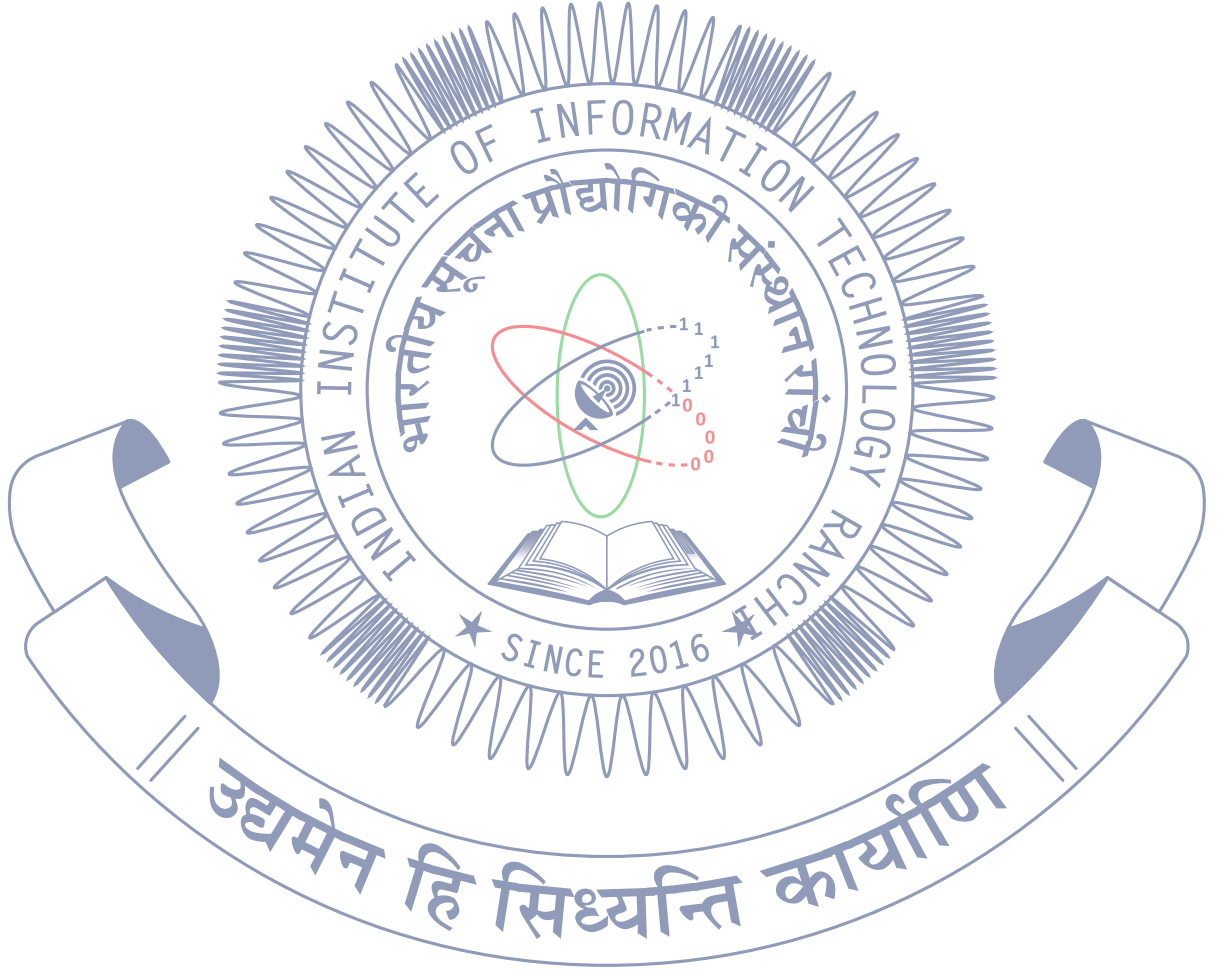
Approved Faculty Strength:	30	Associate Professor:	04
Professor:	04	Assistant Professor:	22

FULL-TIME FACULTY MEMBERS

Faculty Strength	2017-18	2018-19	2019-20	2020-21	2021-22
Regular faculty	0	5	5	5	13
Temporary Faculty	4	5	11	2	1
Adhoc faculty	0	0	0	7	7
Visiting Faculty	0	0	0	7	2
Total	4	10	16	21	23

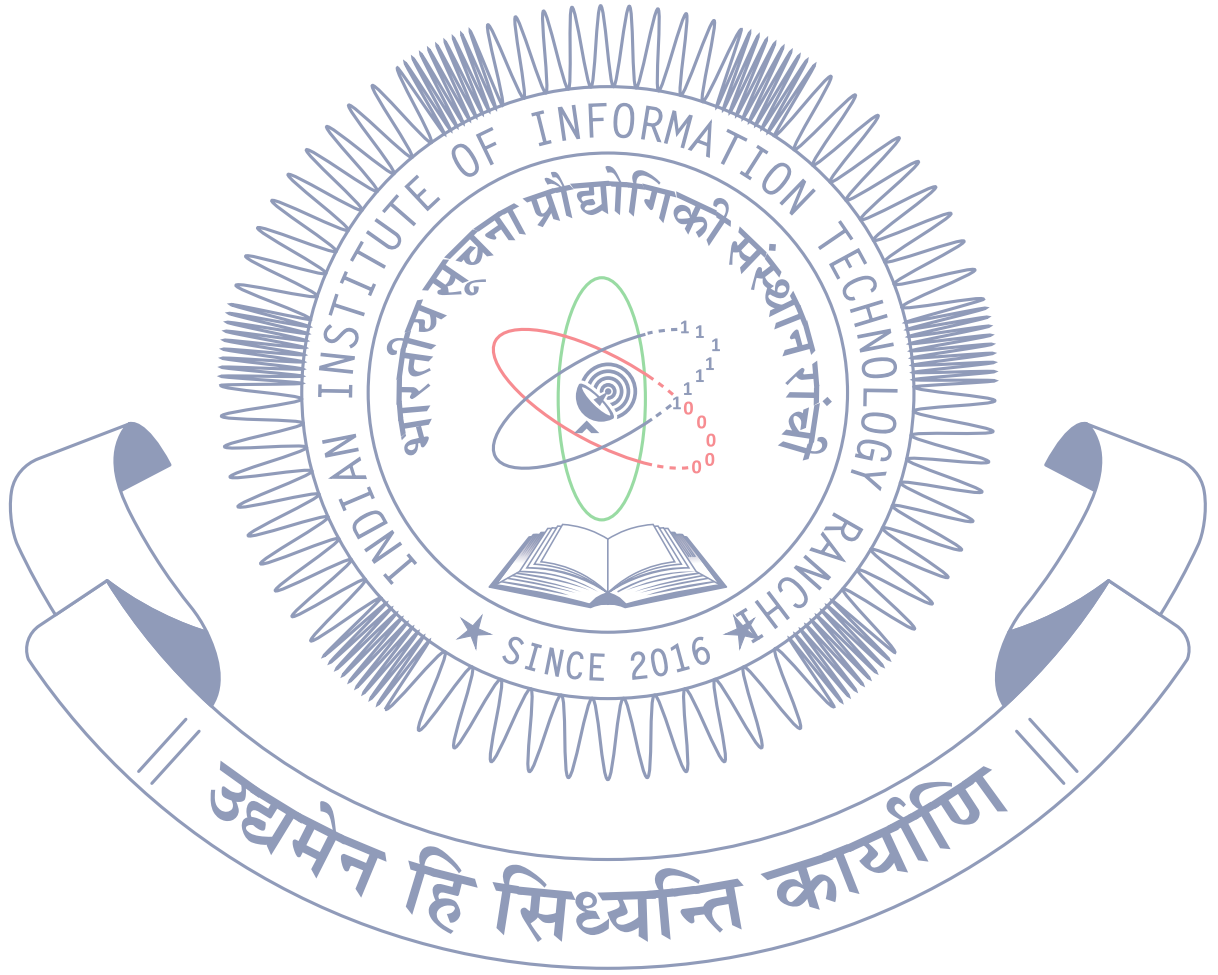


Approved Non-Teaching Staff Strength:	33	Assistant Registrar:	01
Full Time Non-Teaching Staffs:	03	Placement cum Public Relation Officer (contractual):	01
Contractual Non-Teaching Staffs:	04	Assistant Executive Engineer (Civil):	01
Outsourced Non-Teaching Staffs:	48	Junior Engineer (Electrical) contractual:	01
Registrar:	01	Junior Engineer (Networking) contractual:	01
Deputy Registrar:	01	Junior Assistant (contractual):	03



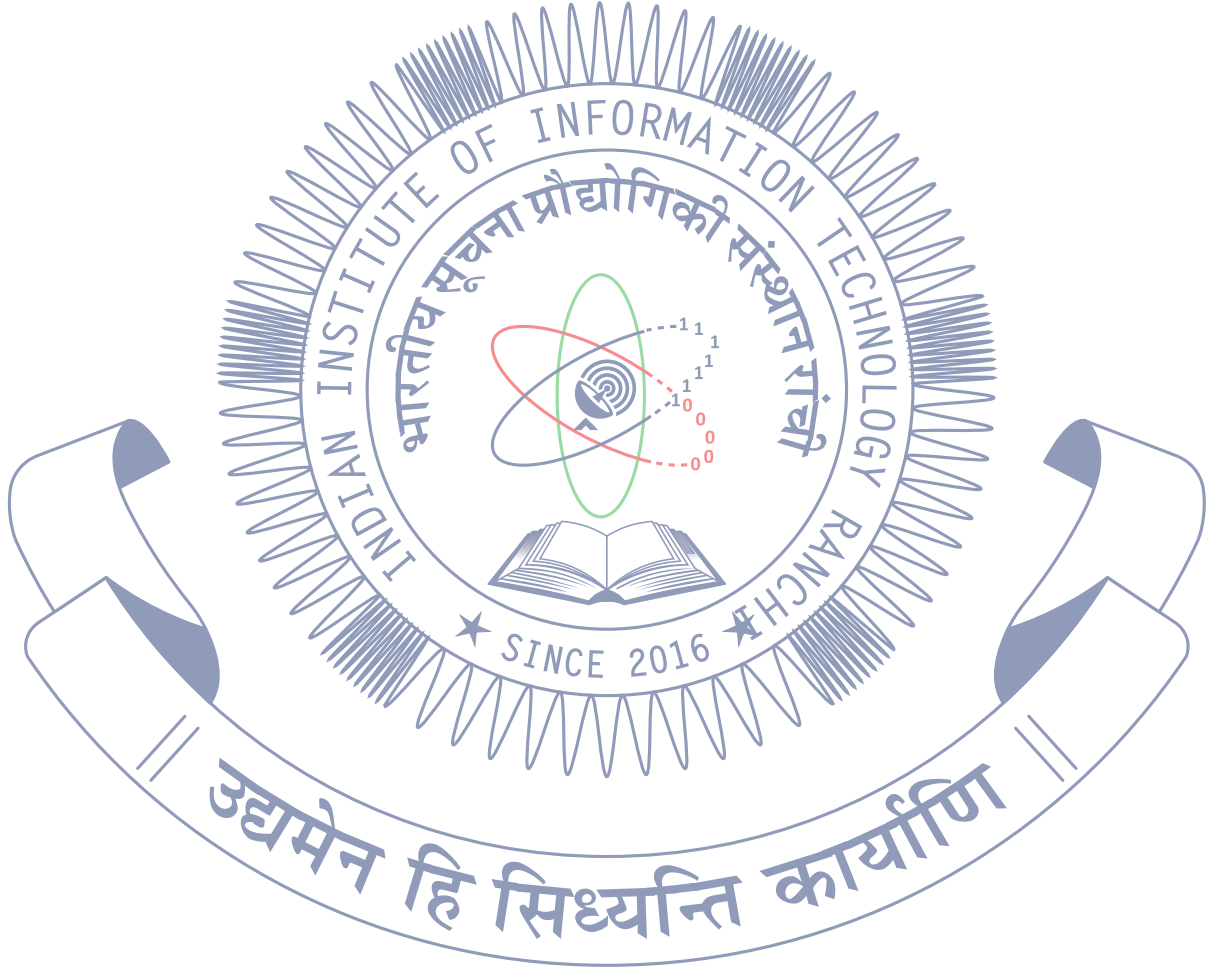
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**ANNUAL
ACCOUNTS**



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BALANCE SHEET AS ON 31ST MARCH 2022

SOURCES OF FUNDS (CORPUS/ CAPITAL FUND AND LIABILITIES)	Sche dule	Current Year (2021-22)	Previous Year (2020-21)
CORPUS / CAPITAL FUND	01	₹ 37,06,12,610.96	₹ 25,64,72,567.34
DESIGNATED/EARMARKED/ ENDOWMENT FUNDS /CAPITAL GRANT &, LOANS	02	₹ 0.00	₹ 0.00
CURRENT LIABILITIES & PROVISIONS	03	₹ 51,71,72,159.42	₹ 45,03,41,697.32
TOTAL		₹ 88,77,84,770.38	₹ 70,68,14,264.66

APPLICATION OF FUNDS (ASSETS)	Sche dule	Current Year (2021-22)	Previous Year (2020-21)
FIXED ASSETS	04		
Tangible Assets		₹ 3,63,79,319.64	₹ 3,25,49,948.30
Intangible Assets		₹ 8,62,481.40	₹ 7,46,098.80
Capital Works-In-Progress		₹ 2,39,29,742.00	₹ 87,57,688.00
INVESTMENTS	05	₹ 0.00	₹ 0.00
INVESTMENTS - OTHERS	06	₹ 0.00	₹ 0.00
CURRENT ASSETS	07	₹ 66,56,47,133.59	₹ 49,84,91,988.81
LOANS ADVANCES & DEPOSITS	08	₹ 16,09,66,093.75	₹ 16,62,68,540.75
TOTAL		₹ 88,77,84,770.38	₹ 70,68,14,264.66

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21.7.22

Junior Assistant (Accounts)

21/7/22

Asst. Registrar

21/7/22

Registrar

21.7.2022

Director



INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH 2022

PARTICULARS	Schedule	Current Year (2021-22)	Previous Year (2020-21)
INCOME			
Academic Receipts	09	₹ 11,08,62,712.14	₹ 6,69,23,141.00
Grants / Subsidies	10	₹ 3,51,00,000.00	₹ 2,24,00,000.00
Income from Investments	11	₹ 0.00	₹ 0.00
Interest Earned	12	₹ 2,76,33,853.00	₹ 1,87,46,183.00
Other Income	13	₹ 6,36,440.32	₹ 6,18,061.00
TOTAL (A)		₹ 17,42,33,005.46	₹ 10,86,87,385.00
EXPENDITURE			
Staff Payments & Benefits (Establishment Expenses)	15	₹ 4,02,96,262.02	₹ 3,49,28,447.00
Academic Expenses	16	₹ 68,76,240.00	₹ 56,41,657.00
Administrative and General Expenses	17	₹ 2,92,23,302.26	₹ 33,63,270.00
Transportation Expenses	18	₹ 10,40,381.00	₹ 9,66,499.00
Repair and Maintenance	19	₹ 17,68,689.00	₹ 9,89,925.00
Finance Cost	20	₹ 5,895.50	₹ 70,856.72
Depreciation	04	₹ 9,40,766.06	₹ 48,00,220.16
Other Expenses	21	₹ 0.00	₹ 0.00
Prior Period Expenses	22	₹ 0.00	-
TOTAL (B)		₹ 8,01,51,535.84	₹ 5,07,60,874.88
Balance being Surplus / (Deficit) carried to Capital Fund		₹ 9,40,81,469.62	₹ 5,79,26,510.12

[Signature]
21.7.22

Junior Assistant (Accounts)

[Signature]
21/7/22

Asst. Registrar

[Signature]
21/7/22

Registrar

[Signature]
21.7.2022

Director



RECEIPT AND PAYMENT ACCOUNT FOR THE YEAR ENDED 31 MARCH, 2022

Receipt	Current Year (2021-22)	Previous Year (2020-21)
i. Opening Balance		
Current A/c (39114253842)	₹ 84,52,035.69	₹ 4,84,280.69
SBI Main A/c (35551469248)	₹ 10,17,93,989.80	₹ 11,74,73,686.52
Student Fee Receipt (39532855953)	₹ 3,47,57,199.32	₹ 0.00
Total	₹ 14,50,03,224.81	₹ 11,79,57,967.21
ii. Capital Account		
Designated Earmarked Endowment Fund, Grant and Loan	₹ 0.00	₹ 0.00
iii. Current Liabilities		
PM CARES Fund	₹ 0.00	₹ 1,15,000.00
Other Current Liabilities	₹ 40,02,716.00	₹ 19,54,059.00
Other Liabilities	₹ 61,608.00	₹ 17,068.00
Statutory Liabilities	₹ 47,70,604.40	₹ 44,77,754.00
Sundry Deposit	₹ 27,70,000.00	₹ 61,69,248.32
Unutilised Grant	₹ 8,30,00,000.00	₹ 26,40,00,000.00
Total	₹ 9,46,04,928.40	₹ 27,67,33,129.32
iv. Fixed Assets		
Tangible Assets	₹ 0.00	₹ 2,34,451.00
v. Current Assets		
Interest Accrued on FD	₹ 53,09,213.00	
Fixed Deposit	₹ 10,20,46,410.00	
Loans & Advances (Asset)	₹ 1,02,920.00	₹ 2,75,178.00
Sundry Debtors	₹ 3,16,771.00	₹ 0.0
Total	₹ 10,77,75,314.00	₹ 2,75,178.00
vi. Direct Incomes (Income (Direct))		
Grant From MHRD (31)	₹ 3,51,00,000.00	₹ 2,24,00,000.00
Academic Receipt	₹ 11,15,91,444.88	₹ 6,71,73,128.00
Total	₹ 14,66,91,444.88	₹ 8,95,73,128.00
vii. Indirect Incomes (Income (Indirect))		
Interest Earned on Fixed Deposit	₹ 37,62,247.00	₹ 0.00
Interest Earned on saving bank	₹ 30,58,105.00	₹ 23,43,802.00
Other Income	₹ 6,36,142.32	₹ 5,88,235.00
Total	₹ 74,56,494.32	₹ 29,32,037.00
viii. Indirect Expenses (Expenses (Indirect))		
Academic Expenses	₹ 93,504.00	₹ 3,06,810.00
Administrative & General Expenses	₹ 2,27,825.00	₹ 2,85,649.00
Finance Cost	₹ 0.00	₹ 2.36
Repairs & Maintenance	₹ 0.00	₹ 19,000.00
Staff Payment & Benefit (Establishment Exp.)	₹ 1,26,312.00	₹ 85,497.00
ix. Closing Balance		
SBI A/C (35551469248)	₹ 1,93,62,207.82	₹ 0.00
Total Receipt	₹ 52,13,41,255.23	₹ 48,84,02,848.89



Payment	Current Year (2021-22)	Previous Year (2020-21)
i. Current Liabilities		
Advertisement Exp. Payable (2020-21)	₹ 22,601.00	₹ 0.00
Membership Exp. Payable	₹ 8,038.00	₹ 0.00
Salary Payable(2020-21)	₹ 91,996.00	₹ 0.00
Stipend Payable to Ph.D Student	₹ 1,24,000.00	₹ 0.00
Stipend to M.Tech Student Payable (2020-21)	₹ 1,46,320.00	₹ 0.00
M K Paswan	₹ 0.00	₹ 35,000.00
PM CARES Fund	₹ 0.00	₹ 1,15,000.00
V K Dalia	₹ 0.00	₹ 90,000.00
Sundry Creditors	₹ 14,18,826.00	₹ 1,01,11,602.00
Other Current Liabilities	₹ 25,89,449.00	₹ 18,09,856.00
Other Liabilities	₹ 61,608.00	₹ 19,668.00
Statutory Liabilities	₹ 44,99,796.30	₹ 69,55,980.00
Sundry Deposit	₹ 7,30,833.00	₹ 23,47,500.00
Total	₹ 96,93,467.30	₹ 2,14,84,606.00
ii. Fixed Assets		
Intangible Assets	₹ 1,93,971.00	₹ 12,18,220.00
Tangible Assets	₹ 46,92,549.00	₹ 2,53,62,331.00
iii. Current Assets		
Loans & Advances (Asset)	₹ 1,13,75,255.00	₹ 16,37,14,506.00
Sundry Debtors	₹ 2,644.00	₹ 13,74,162.00
Fixed Deposit	₹ 36,80,00,000.00	₹ 9,08,30,000.00
Total	₹ 37,93,77,899.00	₹ 25,59,18,668.00
iv. Direct Incomes (Income (Direct))		
Academic Receipt	₹ 7,28,732.74	₹ 3,06,987.00
v. Indirect Incomes (Income (Indirect))		
Other Income	₹ 0.00	₹ 181.00
Total	₹ 10,77,75,314.00	₹ 2,75,178.00
vi. Indirect Expenses (Expenses (Indirect))		
Academic Expenses	₹ 68,41,748.00	₹ 51,20,093.00
Administrative & General Expenses	₹ 2,81,09,881.26	₹ 30,76,029.00
Finance Cost	₹ 5,895.50	₹ 70,859.08
Repairs & Maintenance	₹ 17,32,689.00	₹ 7,07,437.00
Staff Payment & Benefit (Establishment Exp.)	₹ 3,88,85,511.02	₹ 2,95,61,928.00
Transportation Exp.	₹ 10,16,214.00	₹ 5,72,285.00
Total	₹ 7,65,91,938.78	₹ 3,91,08,631.08
vii. Closing Balance		
Current A/c (39114253842)	₹ 84,52,643.69	₹ 84,52,035.69
SBI A/C (35551469248)	₹ 0.00	₹ 10,17,93,989.80
Student Fee Receipt (39532855953)	₹ 4,16,10,046.52	₹ 3,47,57,199.32
HDFC A/c (50100471059518)	₹ 7.20	₹ 0.00
Total	₹ 5,00,62,697.41	₹ 14,50,03,224.81
Total Payment	₹ 52,13,41,255.23	₹ 48,84,02,848.89

SCHEDULES: BALANCE SHEET FOR THE FY 2021-22

SCHEDULE 1 - CORPUS / CAPITAL FUND

1.	Particulars	Current Year (2021-22)	Previous Year (2020-21)
1.01	Corpus Fund/ Capital Fund:		
1.02	Balance at the beginning of the year	₹ 25,64,72,567.34	₹ 15,63,14,158.22
1.03	Add: Cap-Grant to the extent utilized for Cap. Exp.	₹ 2,00,58,574.00	₹ 4,22,29,599.00
1.04	Add: Cap-Grant to the extent utilized for Cap. Exp. For the FY 2020-21 which was not taken into account	₹ 0.00	₹ 2,300.00
1.05	Add: Excess of Income over Expenditure	₹ 9,40,81,469.62	₹ 5,79,26,510.12
1.06	Total	₹ 37,06,12,610.96	₹ 25,64,72,567.34
1.07	Less: Deficit trf from the Income & Expenditure A/c	₹ 0.00	₹ 0.00
1.08	Balance at the year end	₹ 37,06,12,610.96	₹ 25,64,72,567.34

SCHEDULE 2 - DESIGNATED/EARMARKED/ENDOWMENT FUNDS/GRANT & LOAN

2.	Particulars	Current Year (2021-22)	Previous Year (2020-21)
2.01	Total	₹ 0.00	₹ 0.00

SCHEDULE 3 - CURRENT LIABILITIES & PROVISIONS

3.	Particulars	Current Year (2021-22)	Previous Year (2020-21)
3.01	A. Current Liabilities:		
3.02	(i) Sundry Creditors		
3.03	Paradise Decor	₹ 0.00	₹ 2,48,951.00
3.04	Satyendra Kumar Singh	₹ 0.00	₹ 79,747.00
3.05	Shiva Protection Force Pvt. Ltd	₹ 13,29,055.00	₹ 9,48,417.00
3.06	Total (i)	₹ 13,29,055.00	₹ 12,77,115.00
3.02	(ii) Sundry Deposits		
3.08	Caution money payable	₹ 77,10,000.00	₹ 51,20,000.00
3.09	Excess Fee Paid	₹ 2,78,681.32	₹ 6,79,514.32
3.10	Security Deposit (Excell Technologies)	₹ 78,620.00	₹ 78,620.00
3.11	EMD Deposit	₹ 4,30,000.00	₹ 5,80,000.00
3.12	PBG	₹ 5,96,614.00	₹ 5,96,614.00
3.13	Total (ii)	₹ 90,93,915.32	₹ 70,54,748.32
3.14	(iii) Statutory Payable		
3.15	(a) PF Subscription	₹ 0.00	₹ 1,05,000.00
3.16	(b) TDS Payable	₹ 2,31,755.80	₹ 0.00



3.17	(c) TDS Under GST	₹	8,347.60	₹	0.00
3.18	(d) Professional Tax	₹	14,020.00	₹	50,214.00
3.19	(e) NPS Subscription	₹	3,62,863.70	₹	0.00
3.20	(e) (i) NPS Employee Contribution (2020-21)	₹	0.00	₹	76,991.00
3.21	(e) (ii) NPS Employer Contribution (2020-21)	₹	0.00	₹	1,09,911.00
3.22	(e) (ii) NPS Employer Contribution (2021-22)	₹	4,18,743.00	₹	0.00
3.23	Total (iii)	₹	10,35,730.10	₹	3,42,116.00
3.24	(iv) Other Current Liabilities				
3.25	Advertisement & Publication Exp. Payable (2020-21)	₹	0.00	₹	22,601.00
3.26	AICTE Training and Learning	₹	9,117.00	₹	2,000.00
3.27	Club Subscriptions	₹	0.00	₹	0.00
3.28	Infotech Club	₹	75,500.00	₹	35,000.00
3.29	Life Insurance	₹	0.00	₹	0.00
3.30	Medical Subscription	₹	77,650.00	₹	0.00
3.31	Membership Exp. Payable	₹	0.00	₹	8,038.00
3.32	Other Recovery	₹	0.00	₹	35,397.00
3.33	PC Advance	₹	0.00	₹	0.00
3.34	Salary Payable (2020-21)	₹	0.00	₹	91,996.00
3.35	Scholarship	₹	1,82,500.00	₹	1,92,000.00
3.36	Stipend to M.Tech Student Payable (2020-21)	₹	0.00	₹	1,46,320.00
3.37	Stipend to Ph.D Student Student Payable	₹	0.00	₹	1,24,000.00
3.38	Travelling and Conveyance Expenses Payable	₹	0.00	₹	1,392.00
3.39	Campus Maintenance Exp Payable (2021-22)	₹	5,500.00	₹	0.00
3.40	Children Education Allowance Payable (2021-22)	₹	1,08,000.00	₹	0.00
3.41	Medical Reimbursement Payable	₹	400.00	₹	0.00
3.42	Refundable Fee	₹	56,000.00	₹	0.00
3.43	Scholarship of Ramavath Dhanraj	₹	3,80,000.00	₹	0.00
3.44	Scholarship by Ministry of Social Justice	₹	5,82,000.00	₹	0.00
3.45	Scholarship of K Bhushan Nayak	₹	78,500.00	₹	0.00
3.46	Repair and Maintenance Exp Payable	₹	5,500.00	₹	0.00
3.47	MMVY Scholarship	₹	2,01,000.00	₹	0.00
3.48	Travelling and conveyance Expenses Payable (2020-21)	₹	1,392.00	₹	0.00
3.49	Total (iv)	₹	17,63,059.00	₹	6,58,744.00
3.50	Total (A) (i+ii+iii+iv)	₹	1,32,21,759.42	₹	93,32,723.32



3.51	B. Provisions:		
3.52	Total (B)	₹ 0.00	₹ 0.00
3.53	C. Unutilised Grant		
3.54	(i) Plan Grant		
3.55	Balance at the beginning of year (OH35)	₹ 10,58,10,873.00	₹ 6,58,10,873.00
3.56	Balance at the beginning of year (CCL)	₹ 3,20,00,000.00	₹ 3,20,00,000.00
3.57	Balance at the beginning of year (State Govt.)	₹ 28,44,30,000.00	₹ 7,44,30,000.00
3.58	Balance at the beginning of year (Tata Technologies)	₹ 6,10,00,000.00	₹ 4,70,00,000.00
3.59	Total (i)	₹ 48,32,40,873.00	₹ 21,92,40,873.00
	Less : Amount utilised towards capital Assets	₹ 4,22,31,899.00	
	Opening Unutilised grant	₹ 44,10,08,974.00	
3.60	(ii)		
3.61	Add: Capital Grant received during F.Y (OH35)	₹ 10,58,10,873.00	₹ 6,58,10,873.00
3.62	Add: Capital Grant received during F.Y (State Govt.)	₹ 3,20,00,000.00	₹ 3,20,00,000.00
3.63	Add: Capital Grant received during F.Y (Tata Technologies.)	₹ 28,44,30,000.00	₹ 7,44,30,000.00
3.64	Add: Capital Grant received during F.Y (CCL)	₹ 6,10,00,000.00	₹ 4,70,00,000.00
3.65	Total (ii)	₹ 8,30,00,000.00	₹ 26,40,00,000.00
3.66	(iii)		
	Less: Payment for capital assets during F.Y.	₹ 2,00,58,574.00	₹ 4,22,29,599.00
	Less: Payment for capital assets (2019-20)	₹ 0.00	₹ 2,300.00
3.67	Total (C) (i+ii-iii)	₹ 50,39,50,400.00	₹ 44,10,08,974.00
3.68	GRAND TOTAL (A+B+C)	₹ 51,71,72,159.42	₹ 45,03,41,697.32



SCHEDULE 4 - FIXED ASSETS

4	ASSET HEADS	GROSS BLOCK				DEPRECIATION FOR THE YEAR 2021-22					NET BLOCK	
		OP. BAL 01.04.21	ADDITIONS	DED	CL. BAL.	DEP %	DEP OP BAL	DEP FOR THE YR	DED/ ADJ	TOTAL DEP	31.3.2021	31.3.2020
4.01	Land	₹ 1,78,260.00	₹ 0	-	₹ 1,78,260.00	0	₹ 0.00	₹ 0.00	₹ 0.00	₹ 0.00	₹ 1,78,260.00	₹ 1,78,260.00
4.02	Electrical Installation & Equipment	₹ 3,73,153.00	₹ 33,630	-	₹ 4,06,783.00	5	₹ 18,657.65	₹ 1,681.50	₹ 0.00	₹ 20,339.15	₹ 3,86,443.85	₹ 3,54,495.35
4.03	Plant & Machinery	₹ 7,53,017.00	₹ 18,000	-	₹ 7,71,017.00	5	₹ 37,650.85	₹ 900.00	₹ 0.00	₹ 38,550.85	₹ 7,32,466.15	₹ 7,15,366.15
4.04	Scientific 86 Laboratory Equipment	₹ 1,49,21,851.00	₹ 3,901	-	₹ 1,49,25,752.00	8	₹ 11,93,748.08	₹ 312.08	₹ 0.00	₹ 11,94,060.16	₹ 1,37,31,691.84	₹ 1,37,28,102.92
4.05	Office Equipment	₹ 2,00,148.00	₹ 0	-	₹ 2,00,148.00	7.5	₹ 15,011.11	₹ 0.00	₹ 0.00	₹ 15,011.11	₹ 1,85,136.89	₹ 1,85,136.89
4.06	Audio Visual Equipment	₹ 10,90,685.00	₹ 2,995	-	₹ 10,93,680.00	7.5	₹ 81,801.38	₹ 224.63	₹ 0.00	₹ 82,026.01	₹ 10,11,653.99	₹ 10,08,883.62
4.07	Computers & Peripherals	₹ 1,53,63,249.00	₹ 45,48,136	-	₹ 1,99,11,385.00	20	₹ 30,72,649.80	₹ 9,09,627.22	₹ 0.00	₹ 39,82,277.02	₹ 1,59,29,107.98	₹ 1,22,90,599.20
4.08	Furniture Fixtures 86 Fittings	₹ 38,16,167.00	₹ 85,887	-	₹ 39,02,054.00	7.5	₹ 3,42,221.83	₹ 6,441.53	₹ 56,009.30	₹ 2,92,654.06	₹ 36,09,399.94	₹ 34,73,945.17
4.09	Lib. Books & Scientific Journals	₹ 6,83,510.00	₹ 0	-	₹ 6,83,510.00	10	₹ 68,351.00	₹ 0.00	₹ 0.00	₹ 68,351.00	₹ 6,15,159.00	₹ 6,15,159.00
4.10	TOTAL (A)	₹ 3,73,80,040	₹ 46,92,549	-	₹ 4,20,72,589		₹ 48,30,091.70	₹ 9,19,186.96	₹ 56,009.30	₹ 56,93,269.36	₹ 3,63,79,319.64	₹ 3,25,49,948.30
4.11	Capital Work in Progress (B)	₹ 87,57,688	₹ 1,51,72,054	-	₹ 2,39,29,742			₹ 0.00			₹ 2,39,29,742.00	₹ 87,57,688.00
4.12	INTANGIBLE ASSETS	OP. BAL 01.04.2020	ADDITIONS	DED	CL. BALANCE	DEP %	DEP OP BAL	AMORTISATION FOR THE YEAR	DED/ ADJ	TOTAL AMORTIZATION	31.03.2021	31.3.2020
4.13	Computer Software	₹ 12,43,498	₹ 1,93,971	-	₹ 14,37,469	40	₹ 4,97,399.20	₹ 77,588.40	₹ 0.00	₹ 5,74,987.60	₹ 8,62,481.40	₹ 7,46,098.80
4.14	E-Journals	₹ 0	₹ 0	-	₹ 0	40	₹ 0.00	₹ 0.00	₹ 0.00	₹ 0.00	₹ 0.00	₹ 0.00
4.15	Patents	₹ 0	₹ 0	-	₹ 0	9 YRS	₹ 0.00	₹ 0.00	₹ 0.00	₹ 0.00	₹ 0.00	₹ 0.00
4.16	TOTAL (C)	₹ 12,43,498	₹ 1,93,971	-	₹ 14,37,469		₹ 4,97,399.20	₹ 77,588.40	₹ 0.00	₹ 5,74,987.60	₹ 8,62,481.40	₹ 7,46,098.80
4.17	GRAND TOTAL (A+B+C)	₹ 4,73,81,226	₹ 2,00,58,574	-	₹ 6,74,39,800		₹ 53,27,490.90	₹ 9,96,775.36	₹ 56,009.30	₹ 62,68,256.96	₹ 6,11,71,543.04	₹ 4,20,53,735.10

**SCHEDULE 5 - INVESTMENTS**

5.	Particulars	Current Year (2021-22)	Previous Year (2020-21)
5.00	Total	₹ 0.00	₹ 0.00

SCHEDULE 6 - INVESTMENTS- OTHERS

6.	Particulars	Current Year (2021-22)	Previous Year (2020-21)
6.00	Total	₹ 0.00	₹ 0.00

SCHEDULE -7 CURRENT ASSETS

7.	Particulars	Current Year (2021-22)	Previous Year (2020-21)
7.01	A. Bank balance with schedule bank		
7.02	SBI Saving Bank (35551469248)	₹ -1,93,62,207.82	₹ 10,17,93,989.80
7.03	SBI Current Account (39114253842)	₹ 84,52,643.69	₹ 84,52,035.69
7.04	SBI Student fee receipt account (39532855953)	₹ 4,16,10,046.52	₹ 3,47,57,199.32
7.05	HDFC Bank (50100471059518)	₹ 7.20	₹ 0.00
7.06	Total (A)	₹ 3,07,00,489.59	₹ 14,50,03,224.81
7.07	B. In term deposit accounts		
7.08	F.D. (37969911351)	₹ 1,64,41,888.00	₹ 1,64,41,888.00
7.09	F.D. (37969927791)	₹ 1,13,94,240.00	₹ 1,13,94,240.00
7.10	F.D. (37969928343)	₹ 1,13,94,240.00	₹ 1,13,94,240.00
7.11	F.D. (37969928784)	₹ 1,13,94,240.00	₹ 1,13,94,240.00
7.12	F.D. (37969929630)	₹ 1,13,94,240.00	₹ 1,13,94,240.00
7.13	F.D. (37969930099)	₹ 1,13,94,240.00	₹ 1,13,94,240.00
7.14	F.D. (37969937379)	₹ 1,13,94,240.00	₹ 1,13,94,240.00
7.15	F.D. (37969938894)	₹ 1,54,61,984.00	₹ 1,54,61,984.00
7.16	F.D. (37969939285)	₹ 1,13,94,240.00	₹ 1,13,94,240.00
7.17	F.D. (37969939831)	₹ 1,13,94,240.00	₹ 1,13,94,240.00
7.18	F.D. (37969946044)	₹ 1,13,94,240.00	₹ 1,13,94,240.00
7.19	F.D. (37969946838)	₹ 1,36,73,088.00	₹ 1,36,73,088.00
7.20	F.D. (39003226303)	₹ 0.00	₹ 2,11,73,205.00
7.21	F.D. (39003228061)	₹ 0.00	₹ 1,99,00,000.00
7.22	F.D. (39003228389)	₹ 0.00	₹ 1,99,00,000.00
7.23	F.D. (39003231641)	₹ 0.00	₹ 1,99,00,000.00
7.24	F.D. (39003231834)	₹ 0.00	₹ 2,11,73,205.00
7.25	F.D. (39532849064)	₹ 58,30,000.00	₹ 58,30,000.00
7.26	F.D. (39803001458)	₹ 1,56,70,970.00	₹ 1,50,00,000.00
7.27	F.D. (39803129242)	₹ 1,57,48,616.00	₹ 1,50,00,000.00
7.28	F.D. (39803129810)	₹ 1,57,48,616.00	₹ 1,50,00,000.00



7.29	F.D. (39803130687)	₹	1,31,23,847.00	₹	1,25,00,000.00
7.30	F.D. (39803131262)	₹	1,31,23,847.00	₹	1,25,00,000.00
7.31	F.D. (39803145425)	₹	1,57,35,239.00	₹	1,51,44,247.00
7.32	F.D. (40280295867)	₹	1,00,00,000.00	₹	0.00
7.33	F.D. (40280296350)	₹	1,00,00,000.00	₹	0.00
7.34	F.D. (40280296702)	₹	1,00,00,000.00	₹	0.00
7.35	F.D. (40280296995)	₹	1,00,00,000.00	₹	0.00
7.36	F.D. (40283007935)	₹	1,00,00,000.00	₹	0.00
7.37	F.D. (40283126512)	₹	90,00,000.00	₹	0.00
7.38	F.D. (40283126646)	₹	1,00,00,000.00	₹	0.00
7.39	F.D. (40283126771)	₹	1,00,00,000.00	₹	0.00
7.40	F.D. (40283126908)	₹	1,00,00,000.00	₹	0.00
7.41	F.D. (40283127049)	₹	1,00,00,000.00	₹	0.00
7.42	F.D. (40283127185)	₹	1,40,00,000.00	₹	0.00
7.43	F.D. (40283127323)	₹	1,80,00,000.00	₹	0.00
7.44	F.D. (40283127436)	₹	1,80,00,000.00	₹	0.00
7.45	F.D. (40283127640)	₹	1,80,00,000.00	₹	0.00
7.46	F.D. (40283127742)	₹	60,00,000.00	₹	0.00
7.47	F.D. (4071333226)	₹	1,20,00,000.00	₹	0.00
7.48	F.D. (4071335869)	₹	1,20,00,000.00	₹	0.00
7.49	F.D. (40714327166)	₹	1,20,00,000.00	₹	0.00
7.50	F.D. (40714328444)	₹	1,20,00,000.00	₹	0.00
7.51	F.D. (40714329210)	₹	1,20,00,000.00	₹	0.00
7.52	F.D.(40714329800)	₹	1,20,00,000.00	₹	0.00
7.53	F.D.(40714330496)	₹	1,20,00,000.00	₹	0.00
7.54	F.D.(40714331252)	₹	1,20,00,000.00	₹	0.00
7.55	F.D.(40714331944)	₹	1,20,00,000.00	₹	0.00
7.56	F.D.(40714332530)	₹	1,20,00,000.00	₹	0.00
7.57	F.D.(40714333725)	₹	1,20,00,000.00	₹	0.00
7.58	F.D.(40714334286)	₹	1,20,00,000.00	₹	0.00
7.59	F.D.(40714335122)	₹	1,20,00,000.00	₹	0.00
7.60	F.D.(40723638692)	₹	1,40,00,000.00	₹	0.00
7.61	F.D.(40723641741)	₹	1,40,00,000.00	₹	0.00
7.62	F.D.(40723726997)	₹	1,10,00,000.00	₹	0.00
7.63	Total (B)	₹	61,11,06,255.00	₹	34,11,45,777.00
7.64	C. Sundry Debtors				
7.65	NIT Jamshedpur				
7.66	Opening Balance	₹	15,36,903.00	₹	15,36,903.00
7.67	Add: Paid During the year	₹	0.00	₹	0.00



7.68	Total (C)	₹	15,36,903.00	₹	15,36,903.00
7.69	D. Accrued Income				
7.70	Opening Balance	₹	1,08,06,084.00	₹	1,52,19,480.00
7.71	Interest accrued on FD during the year	₹	1,81,03,551.00	₹	97,18,806.00
7.72	Less: Accrued interest already booked of FD which is matured during the year	₹	66,75,503.00	₹	1,41,32,202.00
7.73	Total (D)	₹	2,22,34,132.00	₹	1,08,06,084.00
7.74	E. Interest Accrued on Saving Bank(E)	₹	21,146.00	₹	0.00
7.75	TDS receivable from income tax department	₹	48,208.00	₹	0.00
7.76	Total (E)	₹	2,22,34,132.00	₹	1,08,06,084.00
7.77	GRAND TOTAL (A+B+C+D+E)	₹	66,56,47,133.59	₹	49,84,91,988.81

SCHEDULE 8 - LOANS, ADVANCES & DEPOSITS

8.	Particulars	Current Year (2021-22)	Previous Year (2020-21)
8.01	A. Advance to Employees (Non- Interest Bearing)		
8.02	Outstanding opening balance	₹ 1,00,218.00	₹ 4,70,596.00
8.03	Add: Paid during the year	₹ 2,69,979.00	₹ 5,25,077.00
8.04	Less: Adjusted during the year	₹ 3,21,982.00	₹ 8,95,455.00
8.05	Total (A)	₹ 48,215.00	₹ 1,00,218.00
8.06	B. Deposits		
8.07	Outstanding opening balance	₹ 16,59,71,126.00	₹ 1,15,39,385.00
8.08	Add: Paid during the year		
8.09	Adv to CPWD (Boundary wall)	₹ 44,20,648.00	₹ 1,96,93,029.00
8.10	Adv to CPWD (Const, of Building)	₹ 0.00	₹ 12,72,63,000.00
8.11	Adv to CPWD - Furniture	₹ 45,00,000.00	₹ 1,62,33,400.00
8.12	Total	₹ 89,20,648.00	₹ 17,47,28,814.00
8.13	Less: Transferred to WIP		
8.14	Adv to CPWD (Boundary wall)	₹ 1,33,24,154.00	₹ 87,57,688.00
	Adv to CPWD - Furniture	₹ 18,47,900.00	
8.15	Total (B)	₹ 15,97,19,720.00	₹ 16,59,71,126.00
8.16	C. Advance to Others		
8.17	Outstanding opening balance	₹ 1,97,196.75	₹ 1,97,196.75
8.18	Add: Paid during the year	₹ 10,00,962.00	₹ 0.00
8.19	Less: Adjusted during the year	₹ 0.00	₹ 0.00
8.20	Total (C)	₹ 11,98,158.75	₹ 1,97,196.75
8.21	TOTAL (A+B+C)	₹ 16,09,66,093.75	₹ 16,62,68,540.75



SCHEDULES: INCOME & EXPENDITURE FOR THE FY 2021-22

SCHEDULE 9 - ACADEMIC RECEIPTS

9.	Particulars	Current Year (2021-22)	Previous Year (2020-21)
9.01	FEES FROM STUDENT		
9.02	A. Academic		
9.03	Tuition fee	₹ 9,16,68,334.00	₹ 5,72,53,500.00
9.04	B. Institute Fee	₹ 68,000.00	
9.05	Bus Charges Fee	₹ 10,35,700.00	₹ 2,49,500.00
9.06	Computer and Internet Fee	₹ 10,36,700.00	₹ 2,49,500.00
9.07	Cultural and Technical Fee	₹ 15,01,800.00	₹ 3,55,500.00
9.08	Digital Campus Fee	₹ 20,65,400.00	₹ 16,39,500.00
9.09	Examinations Fee	₹ 5,71,600.00	₹ 4,40,000.00
9.10	Library Fee	₹ 20,11,304.00	₹ 4,64,000.00
9.11	Medical Insurance Fee	₹ 5,37,100.00	₹ 4,24,000.00
9.12	Sports Fee	₹ 10,33,700.00	₹ 2,48,500.00
9.13	Student Wellness Fee	₹ 5,32,100.00	₹ 1,34,000.00
9.14	Training and Placement Fee	₹ 5,38,100.00	₹ 4,21,500.00
9.15	Total (B)	₹ 1,09,31,504.00	₹ 46,26,000.00
9.16	C. Hostel Fee		
9.17	Electric Charges Fee	₹ 7,06,000.00	₹ 34,500.00
9.18	Hostel Establishment Fee	₹ 33,81,000.00	₹ 41,71,900.00
9.19	Hostel Room Rent Fee	₹ 27,51,700.00	₹ 1,51,600.00
9.20	Water Charges Fee	₹ 2,33,500.00	₹ 11,500.00
9.21	Total (C)	₹ 70,72,200.00	₹ 43,69,500.00
9.22	D. Other Fees		
9.23	Admission Fee	₹ 1,71,000.00	₹ 2,22,500.00
9.24	Admission Processing Fee	₹ 73,000.00	₹ 0.00
9.25	Alumni Membership fee	₹ 4,86,400.00	₹ 2,76,000.00
9.26	Recruitment Application Fee	₹ 1,88,542.26	₹ 1,94,500.00
9.27	Late Fine	₹ 0.00	₹ 5,000.00
9.28	Hostel Mess Advance Fee	₹ 64,000.00	₹ 0.00
9.29	Ph.D Application Fee	₹ 23,500.00	₹ 0.00
9.30	M.Tech Application Fee	₹ 23,000.00	₹ 0.00
9.31	Other Academic Receipts	₹ 1,44,477.88	₹ 0.00
9.32	Total (D)	₹ 11,73,920.14	₹ 6,98,000.00
9.33	E. Add/Less: Library Book Fine	₹ 16,754.00	₹ -23,859.00
9.34	Total (E)	₹ 16,754.00	₹ 6,74,141.00
9.35	Grand Total (A+B+C+D+E)	₹ 11,08,62,712.14	₹ 6,69,23,141.00



SCHEDULE 10- GRANTS (SUBSIDIES {IRREVOCABLE GRANTS RECEIVED})

10.	Particulars	Current Year (2021-22)	Previous Year (2020-21)
10.01	Grant Received from Govt, of India		
10.02	Revenue Grant (Recurring)	₹ 3,51,00,000.00	₹ 2,24,00,000.00
10.03	Total	₹ 3,51,00,000.00	₹ 2,24,00,000.00

SCHEDULE 11 - INCOME FROM INVESTMENTS

11.	Particulars	Current Year (2021-22)	Previous Year (2020-21)
11.01	Interest on Fixed Deposit	₹ 0.00	₹ 0.00
11.02	Total	₹ 0.00	₹ 0.00

SCHEDULE 12 - INTEREST EARNED

12.	Particulars	Current Year (2021-22)	Previous Year (2020-21)
12.01	Interest on Saving Bank Account (35551469248)	₹ 22,66,598.00	₹ 20,61,717.00
12.02	Interest on Student Fee Account (39532855953)	₹ 8,12,653.00	₹ 2,82,085.00
12.03	Interest on Fixed Deposit	₹ 2,45,54,602.00	₹ 1,64,02,381.00
12.04	Total	₹ 2,76,33,853.00	₹ 1,87,46,183.00

SCHEDULE 13 - OTHER INCOME

13.	Particulars	Current Year (2021-22)	Previous Year (2020-21)
13.01	Mise. Income	₹ 6,32,955.32	₹ 5,158.00
13.02	License Fee	₹ 0.00	₹ 5,71,772.00
13.03	Institutional Charges	₹ 0.00	₹ 11,819.00
13.04	Elec. Charges	₹ 0.00	₹ 29,312.00
13.05	Administrative charges	₹ 3,000.00	₹ 0.00
13.06	Interest on advance taken by employee	₹ 485.00	₹ 0.00
13.07	Total	₹ 6,36,440.32	₹ 6,18,061.00

SCHEDULE 15 - STAFF PAYMENTS & BENEFITS (ESTABLISHMENT EXPENSES)

15.	Particulars	Current Year (2021-22)	Previous Year (2020-21)
15.01	A. Salary and Wages		
15.02	Contractual (Non-Teaching)	₹ 22,69,938.00	₹ 30,10,068.00
15.03	Contractual (Teaching)	₹ 62,87,197.00	₹ 64,40,728.00
15.04	Regular(Non-Teaching)	₹ 75,31,773.00	₹ 78,88,170.00
15.05	Regular (T eaching)	₹ 94,25,635.00	₹ 56,83,550.00
15.06	Skilled/Unskilled Wages	₹ 1,23,73,278.00	₹ 81,54,332.00
15.07	Security Charges (Home Guard)	₹ 0.00	₹ 10,25,279.00
15.08	Arrear on Salary	₹ 0.00	₹ 0.00
15.09	Leave Salary & Pension Contribution	₹ 2,82,747.00	₹ 10,40,339.00
15.10	B. Allowances & Bonus	₹ 68,000.00	
15.11	TA to External Expert/ Examiners/ Officials	₹ 0.00	₹ 0.00
15.12	TA to Institute Employees	₹ 0.00	₹ 0.00
15.13	C. Contribution to NPS	₹ 17,72,952.02	₹ 13,06,738.00
15.14	NPS Service Charges	₹ 1,259.00	₹ 0.00
15.15	D. Children Education Allowance	₹ 1,08,000.00	₹ 1,08,000.00
15.16	E. LTC	₹ 0.00	₹ 2,71,243.00
15.17	Medical Reimbursement	₹ 1,85,772.00	₹ 0.00
15.18	Telephone Allowance	₹ 57,711.00	₹ 0.00
15.19	Total	₹ 4,02,96,262.02	₹ 3,49,28,447.00

SCHEDULE 16 - ACADEMIC EXPENSES

16.	Particulars	Current Year (2021-22)	Previous Year (2020-21)
16.01	Expenses on Seminar, Workshop & Training	₹ 0.00	₹ 2,22,251.00
16.02	Payment to Visiting Faculty & Others	₹ 23,65,922.00	₹ 9,27,416.00
16.03	Student Welfare Expenses	₹ 0.00	₹ 2,15,388.00
16.04	Admission Expenses	₹ 59,327.00	₹ 1,65,055.00
16.05	Stipend / means-cum-merit scholarship	₹ 36,16,400.00	₹ 24,32,053.00
16.06	Students Insurance Premium	₹ 4,67,280.00	₹ 3,58,340.00
16.07	Events National/Raj bhasha/Others	₹ 1,21,556.00	₹ 1,24,976.00
16.08	Hostel Mess advance fee	₹ 0.00	₹ 11,63,000.00
16.09	Training & Placement Exp.	₹ 0.00	₹ 33,178.00
16.10	Examination	₹ 16,057.00	₹ 0.00
16.11	Conference	₹ 0.00	₹ 0.00
16.12	Others	₹ 2,29,698.00	₹ 0.00
16.13	Total	₹ 68,76,240.00	₹ 56,41,657.00



SCHEDULE 17 - ADMINISTRATIVE AND GENERAL EXPENSES

17.	Particulars	Current Year (2021-22)	Previous Year (2020-21)
17.01	A. Infrastructure		
17.02	a) Electricity & Power	₹ 47,75,796.46	₹ 7,00,204.00
17.03	b) Rent, Rates & Taxes	₹ 2,08,69,698.00	₹ 0.00
17.04	Sub-Total	₹ 2,56,45,494.46	₹ 7,00,204.00
17.05	B. Communication		
17.06	a) Telephone, Fax & Internet Charges	₹ 16,51,723.80	₹ 10,62,657.00
17.07	Sub-Total	₹ 16,51,723.80	₹ 10,62,657.00
17.08	C. Communication		
17.09	Advertisement and Publication	₹ 2,56,111.00	₹ 3,43,103.00
17.10	Printing & Stationery	₹ 5,42,219.00	₹ 3,99,830.00
17.11	Travelling Expenses	₹ 94,849.00	₹ 15,345.00
17.12	Meeting Expenses	₹ 0.00	₹ 1,30,854.00
17.13	Misc Expenses	₹ 0.00	₹ 40,484.00
17.14	Hospitality	₹ 15,120.00	₹ 19,482.00
17.15	Magazines & Journals	₹ 21,074.00	₹ 15,524.00
17.16	Medical Expenses	₹ 55,817.00	₹ 46,833.00
17.17	Membership Expenses	₹ 0.00	₹ 1,08,038.00
17.18	Professional Charges	₹ 99,960.00	₹ 24,190.00
17.19	Fooding & Lodging Exp.	₹ 27,670.00	₹ 11,010.00
17.2	Expenses for expert (Honorarium)	₹ 15,204.00	₹ 1,26,125.00
17.21	Recruitment Expenses	₹ 76,692.00	₹ 9,585.00
17.22	DOC Expenses	₹ 1,50,379.00	₹ 3,10,006.00
17.23	Audit Charges	₹ 4,96,208.00	₹ 0.00
17.24	AWS Subscription Charges	₹ 35,029.00	₹ 0.00
17.25	Other Administrative Exp.	₹ 24,000.00	₹ 0.00
17.26	Legal Expenses	₹ 11,560.00	₹ 0.00
17.27	Other Charges	₹ 4,192.00	₹ 0.00
17.28	Sub-Total	₹ 19,26,084.00	₹ 16,00,409.00
17.29	Total (A+B+C)	₹ 2,92,23,302.26	₹ 33,63,270.00

SCHEDULE 18 - TRANSPORTATION EXPENSES

18.	Particulars	Current Year (2021-22)	Previous Year (2020-21)
18.01	Vehicle Hire Charges	₹ 7,60,634.00	₹ 9,66,499.00
18.02	Other Transportation expenses	₹ 2,79,747.00	₹ 0.00
18.03	Total	₹ 10,40,381.00	₹ 9,66,499.00

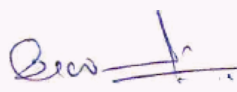


SCHEDULE 19 - REPAIRS AND MAINTENANCE

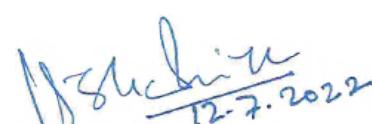
19.	Particulars	Current Year (2021-22)	Previous Year (2020-21)
19.01	Sanitation and Cleaning	₹ 6,95,420.00	₹ 2,68,786.00
19.02	Repair and Maintenance	₹ 1,19,267.00	₹ 47,554.00
19.03	Campus maintenance Exp.	₹ 1,16,034.00	₹ 74,805.00
19.04	Gardening Exp.	₹ 0.00	₹ 3,700.00
19.05	Running & Maintenance Exp	₹ 8,28,968.00	₹ 4,41,746.00
19.06	Electrical Installation & Equipment Exps	₹ 0.00	₹ 1,53,334.00
19.07	Public Health & Pest Control	₹ 9,000.00	₹ 0.00
19.08	Total	₹ 17,68,689.00	₹ 9,89,925.00

SCHEDULE 20 - FINANCE COST

20.	Particulars	Current Year (2021-22)	Previous Year (2020-21)
20.01	Bank Charges	₹ 5,895.50	₹ 39,679.72
20.02	Mis Charges	₹ 0.00	₹ 29,864.00
20.03	NPS Service Charges	₹ 0.00	₹ 1,313.00
20.04	Total	₹ 5,895.50	₹ 70,856.72


Asst. Registrar


Registrar


Director



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 Fixed Deposit 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. Assets procured at any point of time during the year has been depreciated for the full year. Depreciation on fixed assets is provided on Straight Line Method basis. The depreciation for assets has been debited to the capitalized fund for assets account at the same rate applicable for the respective assets head.
(iii) Depreciation is provided for the whole year on additions during the year.
(iv) The rate of depreciation as per MHRD accounting format are as follows:

Sl. No.	Asset's Name	Dep Rate %
A.	Tangible Assets	
1	Land	0%
2	Site Development	0%
3	Building	2%
4	Roads Bridges	2%
5	Tube Well & Water Supply Equipment	2%
6	Sewerage & Drainage	2%
7	Electrical Installation & Equipment	5%
8	Plant & Machinery	5%
9	Scientific & Laboratory Equipment	8%
10	Office Equipment	7.50%
11	Audio Visual Equipment	7.50%
12	Computers & Peripherals	20%
13	Furniture, Fixtures & Fittings	7.50%
14	Vehicles	10%
15	Library Books & Scientific Journals	10%
A.	Tangible Assets	
16	E Journals	40%
17	Computer Software	40%
18	Patents & Copyrights	9 Years

4. Stocks:

Inventories purchased by various departments/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)(iii ab) of the Income Tax Act. Therefore, no provision of Tax is made in the accounts.



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:

The gross value of construction work is being executed by CPWD the estimated value of which is Rs 138.80 crores.

5. Pay and Allowances:

Under the accrual system of accounting, a provision has been made for the salary and some other expenses of March 2022 in the books of accounts as on 31.03.2022.

6. 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.

7. All figures mentioned in the annual accounts are in Rupees.

Scheduled 01 to 22 is annexed to form an integral part of the Balance Sheet as at 31.03.2022 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. Depreciation overcharged in the F.Y. 2020-21 under heads of Furniture/ Fixture and Fittings for total amount of ₹ 56009.30 has been rectified in the current F.Y. 2021-22

10. Contra entry of Rs. 1,39,943 created on 31.03.2021 was wrongfully done, so impact of this was not showing in Bank Reconciliation Statement. Now to rectify this reverse entry has been done with amounting of ₹ 1,39,943.

11. Capital & Revenue Grant :

The Details of Capital and Revenue Grant received during FY 2020-21 is as under:-

A) Capital Grant received

Sanction letter no.	Date of Sanction Letter	Date of received in bank account	Amount(In ₹)
55-4/2021-TS-I	04-06-2021	09-06-2021	₹ 30,00,000.00
55-4/2021-TS-I	04-06-2021	09-06-2021	₹ 20,00,000.00
55-4/2021-TS-I	04-06-2021	16-06-2021	₹ 3,50,00,000.00
55-4/2021-TS-I	27-09-2021	01-10-2021	₹ 85,00,000.00
55-4/2021-TS-I	16-09-2021	01-10-2021	₹ 10,00,000.00
55-4/2021-TS-I	16-09-2021	01-10-2021	₹ 10,00,000.00
55-4/2021-TS-I	16-09-2021	01-10-2021	₹ 30,00,000.00
55-4/2021-TS-I	16-09-2021	01-10-2021	₹ 2,60,00,000.00
55-4/2021-TS-I	16-09-2021	01-10-2021	₹ 5,00,000.00



B) Revenue Grant received

Sanction letter no.	Date of Sanction Letter	Date of received in bank account	Amount(In ₹)
55-4/2021-TS-I	04-06-2021	09-06-2021	₹ 75,00,000.00
55-4/2021-TS-I	04-06-2021	09-06-2021	₹ 10,00,000.00
55-4/2021-TS-I	04-06-2021	09-06-2021	₹ 5,00,000.00
55-4/2021-TS-I	16-09-2021	27-09-2021	₹ 15,00,000.00
55-4/2021-TS-I	16-09-2021	27-09-2021	₹ 5,00,000.00
55-4/2021-TS-I	16-09-2021	01-10-2021	₹ 1,30,00,000.00
55-4/2021-TS-I	25-11-2021	01-12-2021	₹ 1,08,00,000.00
55-4/2021-TS-I	25-11-2021	29-11-2021	₹ 1,50,000.00
55-4/2021-TS-I	25-11-2021	29-11-2021	₹ 1,50,000.00

C) Details of fund

TOTAL CAPITAL COST:- Rs. 128 Crore						
SI No	Particulars	MoE	Govt of Jharkhand	Tata Technologies Limited (TTL)	Tata Consultancy Services (TCS)	Central Coal-fields Limited (CCL)
	Contributions	50%	35%	5%	5%	5%
1	Amount required to be contributed (in crore):	64	44.80	6.40	6.40	6.40
2	Amount given till date (in crore):	19.10	28.44	6.40	00.00	3.20
3	Amount required to be given (in crore):	44.90	16.36	00.00	6.40	3.20

 21.7.22

Junior Assistant (Accounts)

 21/7/22

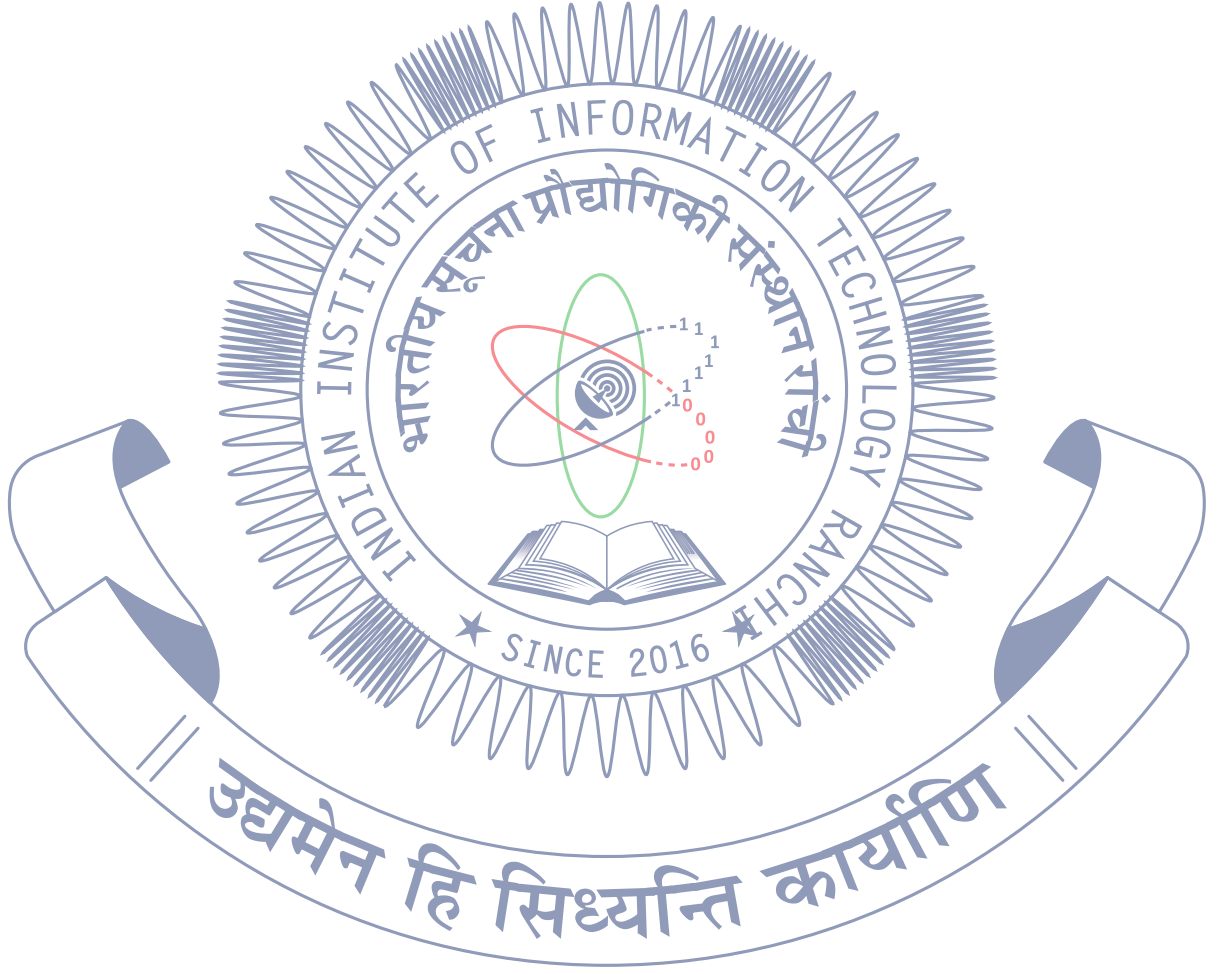
Asst. Registrar (F&A)

 21/7/22

Registrar

 21.7.2022

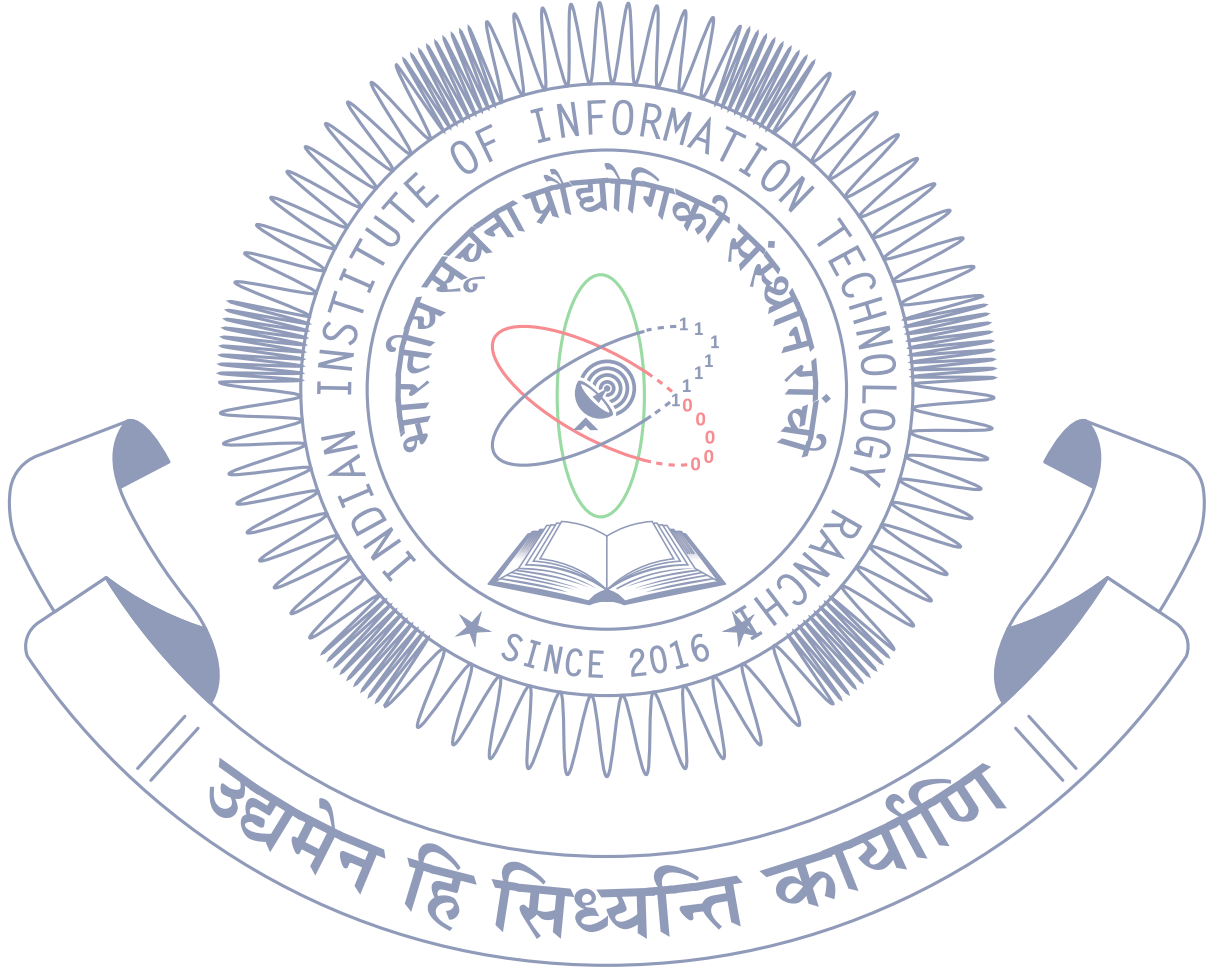
Director



11

AUDIT REPORT

2021-22





BRANCH: DIRECTOR GENERAL OF AUDIT (CENTRAL), LUCKNOW AT RANCHI



लोकहितार्थ सत्यमेव
Dedicated to Truth in Public Interest

DO No:

Date: 13 Jan 2023

To,

Director, IIIT Ranchi

Copy to:-

Registrar, IIIT Ranchi

Dear,

I am to forward herewith the Separate Audit Report of IIIT Ranchi for FY 2021-22.

The receipt of the Separate Audit Report may kindly be acknowledged.

Yours sincerely,





No DGA(C)/SAR-IIIT/2021-22/

Dated: .01.2023

Indian Audit & Accounts Department

Office of the Principal Director of Audit (Central), Lucknow

**Branch Office: Ranchi, Jharkhand,
PAG Office Main Building, 5th floor, Doranda,
Ranchi-834 002**

To

**The Director,
Indian Institute of Information Technology (IIIT), Ranchi**

Subject: Separate Audit Report on the accounts of Indian Institute of Information Technology (IIIT), Ranchi for the year 2021-22.

Sir,

I enclose a copy of the Separate Audit Report (SAR) of Indian Institute of Information Technology (IIIT), Ranchi for the year 2021-22 for information and necessary action.

2. A copy of the SAR has been sent to the Secretary to the Government of India, Ministry of Education 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 (IIIT), 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 two week.
6. The receipt of this letter with enclosures may please be acknowledged.

Yours faithfully,

Encl: - As above.

Principal Director of Audit (Central), Lucknow



Separate Audit Report of the Comptroller & Auditor General of India on the accounts of Indian Institute of Information Technology, Ranchi for the year ended 31 March 2022.

We have audited the attached Balance Sheet of Indian Institute of Information Technology (IIIT), Ranchi for the year as at 31 March, 2022, 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.

2. 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.

3. 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.

4. 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 Education 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 (IIIT), Ranchi as required under Section 28 (1 to 5) of the IIIT (PPP) Act, 2017 and Rules and Regulations in so far as it appears from our examination of such books.

(iv) We further report that:



Balance Sheet

A.1. Capital Fund (Schedule-1) – Rs 36.06 Crore

- A.1.1. As per progress report furnished by the executing agency CPWD, Rs. 24.10 lakh was utilized during 2021-22 for installation of furniture and fixtures whereas the IIIT Ranchi has booked Rs. 18.47 lakh leaving a balance of Rs. 5.63 lakh. This resulted into understatement of capital fund by Rs. 5.63 lakh and work in progress to that extent.

A.2. Current Liabilities and Provisions (Schedule 3) - Rs 51.72 Crore

- A.2.1 It was revealed that IIIT Ranchi has created liabilities in respect of repairing and maintenance expenses of Rs. 5,500/- but this amount has already been paid and booked in the income and expenditure account too. Further as per ledger of scholarship of Ramavath Dhanraj, Rs. 3.68 lakh was exhibited as being adjusted with semester fee and the same was also shown as liability which is irregular treatment of accounting. This leads to overstatement of current liability by Rs. 3.73 lakh and overstatement of expenditure in the Income and Expenditure to that extent.

A.3 Fixed Assets (Schedule 4) - Rs. 6.12 Crore

- A.3.1 Depreciation on fixed (Tangible) assets (Sch-4) was required to charge Rs. 56.93 lakh whereas the institute has charged depreciation only Rs. 9.19 lakh as detailed in annexure A. This resulted in overstatement of excess of income over expenditure and fixed Assets to the extent of Rs 47.74 lakh.
- A.3.2 On scrutiny of accounts for the depreciation charged on fixed assets (intangible) it was noticed that depreciation on computer software was charged Rs. 77,588/- however it should have been charged to Rs. 5,69,932/- during the year 2021-22 as detailed in Annexure B. Under charging of depreciation on intangible asset resulted in overstatement of excess of income over expenditure and fixed Assets to the extent of Rs. 4,92,344/-.

A.4 Loans Advances and Deposits(Schedule 8)-Rs 16.10 Crore

- A.4.1 It was revealed that IIIT Ranchi has been depositing advances to the executing agency viz CPWD for construction of boundary wall, supply and installation of furniture and electronics items and construction of buildings at newly allotted land. CPWD furnished month-wise progress of works in its form-65 in which balance amount as on 31st March 22 along with balance of fund are shown. The figure of advance lying with CPWD differs with book value of the advance shown in the accounts of the IIIT. As such loans and advances are understated by Rs.13.42 crore and overstatement of work in progress by the same amount.



- A.4.2 As per format of annual accounts prescribed by MHRD, items of Prior Period Expenditure are those items against which expenditure does not pertain to the current year but pertains to the previous year (s) and have occurred during the current year, and also against which no outstanding liability for expenses has been provided in the previous year(s). Prior Period expenses against each of the expenditure heads in the Income and Expenditure Account should be disclosed in schedule-22.

During scrutiny of Annual Accounts and ledger/vouchers, it was noticed that Rs. 4,81,859/- was paid for audit fee to O/o the Accountant General (A&E), Jharkhand for Financial Audit of 2016-17 to 2019-20 and Transaction Audit of 2016-17 to 2018-19 which should have been shown in Prior Period Expenses (Sch -22) whereas it was shown in Administrative & General Expenses (Sch -17). Disclosure to this effect was also not done in notes to Accounts. Wrong treatment of audit expenditure resulted in overstatement of Administrative & General Expenses and understatement of Prior Period Expenses by Rs. 4,81,859/-.

B. Notes to Accounts

It was noticed that the Institute issued Bank Guarantees in favour of JBVNL against hundred per cent margin which is kept in the form of FDR of Rs. 58.30 lakh and the same was taken in the current asset in the books of the institute. As per applicable accounting practices BG is required to be shown as contingent liability in the notes of account. However no such disclosure was made in the notes to account.

C. General

- C.1 As per approval of BOG meeting dt: 09.11.2021, JUPMI Campus was to be taken over from 01st Nov. 2021 whereas rent agreement dt: 20th Dec. 2021 between Ranchi Smart City Corporation Limited (RSCCL) and Indian Institute of Information Technology (IIIT), Ranchi for office at JUPMI Campus was made from 1st Oct.2021 which is in contravention of BOG order.

While going through the vouchers it was noticed that payment of Rs. 1,93,41,216/- was made for six months from 1st Oct.2021 to 31st Mar. 2022. Thus payment for October 2021 amounting to Rs. 32.23 lakh was made against the sanction of BOG. The same needs to be adjusted.

- C.2 As per utilization certificate furnished by IIIT Ranchi to the administrative ministry it was noticed that Rs. 53.02 lakh was the expenditure incurred for creation of the assets to the institute but only Rs. 48.87 lakh was exhibited in the fixed assets schedule as addition during the year other than capital works in progress. This makes difference of Rs. 4.12 lakh which needs to be reconciled.

- C.3 As per guideline of MOE on common format of accounts as well as Accounting Standard 15, provision for retirement benefits shall be made on actuarial valuation in the end of every financial year. Scrutiny of Annual Accounts for the year 2021-22 revealed that provision for retirement benefits (Gratuity, Pension, Leave Salary etc.) has not been made.
- C.4 All interests or other earnings against Grants in Aid or advances (other than reimbursement) released to any Grantee institution should be mandatorily remitted to the Consolidated Fund of India immediately after finalisation of the accounts. For this purpose separate bank account is to be operated for grants only in order to assess the actual interest earned during the year. But scrutiny revealed that as per schedule-12, Rs. 22.67 lakh was the interest earned from the saving bank account in which grants amounts are kept. Further, it was also noticed that there are several other transactions are also taken place in this bank account and as such accurate assessment of interest earned on the grants cannot be obtained. Again, as per accounts, Rs. 50.40 crore is still unspent balance of grant of the institute which have been invested in FDR whose interest should have also been taken in the account as unutilized grant in current liabilities instead of income of the institute. Further the interest on FDR on the unspent grants also needs to be calculated and accounted for under proper head. Also a separate bank account for Grant in Aid needs to be maintained.

D. Grants-in-Aid

The IIIT Ranchi received 11.81 crore [11.51 crore (8.00 cr capital+ 3.51 cr revenue) from MoE, Nil from Govt. of Jharkhand and 0.30 crore from Industry partner] under the capital and revenue grant during the year 2021-22. Previous year unutilized grant was Rs. 44.10 crore [(6.36 cr capital+ nil revenue) from MoE, Rs. 28.44 cr from Govt. of Jharkhand and Rs. 9.30 crore from Industry partner]. Thus total available grant was Rs. 55.91 crore [17.87 crore (14.36 cr capital+ 3.51 cr revenue) from MoE, Rs. 28.44 cr from Govt. of Jharkhand and Rs. 9.60 crore from Industry partner]. Out of which the institute incurred expenditure of Rs. 5.51 crore [(2.00 cr capital+ 3.51 cr revenue) from MoE, nil from Govt. of Jharkhand and nil from Industry partner] leaving unspent balance of Rs. 50.40 crore [(12.36 cr capital+ nil revenue) from MoE, Rs. 28.44 cr from Govt. of Jharkhand and Rs. 9.60 crore from Industry partner]. E. 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 will be issued separately for remedial/ corrective action. v. Subject to our observations in the preceding paragraphs, we report that the Balance Sheet and Income & Expenditure Account dealt with by this report are in agreement with the books of accounts.



E. 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 will be issued separately for remedial/corrective action.

- v. Subject to our observations in the preceding paragraphs, we report that the Balance Sheet and Income & Expenditure Account dealt with by this report are in agreement with the books of accounts.
- vi. 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 (IIIT), Ranchi as on 31st March 2022, 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:

Date:

Principal Director of Audit (Central), Lucknow



ANNEXURE

1. Adequacy of Internal Audit System

No Internal Audit Manual has been prepared. Consequently, it needs to be strengthened.

2. Adequacy of Internal Control System

The internal control system in the Institute reflected the following deficiencies.

- (i) The Institute does not have accounting manual and office procedure manual.
- (ii) Cash Book was not maintained in prescribed format, it is maintained in tally.
- (iii) The institute did not maintain the following register :
 - (a) Investment Register
 - (b) Expenditure control register
 - (c) Grant-in-Aid register
 - (d) Register of Contracts.
 - (e) Fixed Assets Register

3. System of physical verification of fixed Assets and Inventory

The Officer-in-charge of stores shall maintain item-wise lists and prepare accurate returns in respect of the goods and materials in his charge making it possible at any point of time to check the actual balances with the book balances. A physical verification of all the fixed assets/ consumable goods and materials should be undertaken at least once in a year and discrepancies, if any, should be recorded in the stock register for appropriate action by the competent authority. However, physical verification of fixed Assets and Inventory was not carried out for the year 2021-22 as information about physical verification was not produced to audit.

4. Regularity in payment of statutory dues

Institute is regular in depositing statutory dues.

Sd/-
Director (Central)



ANNEXURE - A

Schedule	Asset head	Opening Balance 01.04.21	Addition	Total	Rate of depreciation in %	Actual amount of depreciation	Depreciation charged by institute for the year only	Difference of Depreciation
4.02	Electrical Installation & Equipment	₹ 3,73,153	₹ 33,630	₹ 4,06,783	5	₹ 20,339.15	₹ 1,681.50	₹ 18,657.65
4.03	Plant & Machinery	₹ 7,53,017	₹ 18,000	₹ 7,71,017	5	₹ 8,550.85	₹ 900.00	₹ 37,650.85
4.04	Scientific & Laboratory Equipment	₹ 1,49,21,851	₹ 3,901	₹ 1,49,25,752	8	₹ 11,94,060.16	₹ 312.08	₹ 11,93,748.08
4.05	Office Equipment	₹ 2,00,148	₹ 0	₹ 2,00,148	7.5	₹ 15,011.10	₹ 0.00	₹ 15,011.10
4.06	Audio Visual Equipment	₹ 10,90,685	₹ 2,995	₹ 10,93,680	7.5	₹ 82,026.00	₹ 224.63	₹ 81,801.38
4.07	Computers & Peripherals	₹ 1,53,63,249	₹ 45,48,136	₹ 1,99,11,385	20	₹ 39,82,277.00	₹ 9,09,627.20	₹ 30,72,649.80
4.08	Furniture Fixtures & Fittings	₹ 38,16,167	₹ 85,887	₹ 39,02,054	7.5	₹ 2,92,654.05	₹ 6,441.53	₹ 2,86,212.53
4.09	Lib. Books & Scientific Journals	₹ 6,83,510	₹ 0	₹ 6,83,510	10	₹ 68,351.00	₹ 0.00	₹ 68,351.00
	Total	₹ 3,72,01,780	₹ 46,92,549	₹ 4,18,94,329		₹ 56,93,269.31	₹ 9,19,186.93	₹ 47,74,082.38



ANNEXURE - B

Depreciation of fixed asset (Intangible Asset) purchased in 2019-20

Asset head	Year	OP. Bal.	Depreciation (@40%)	Addition	Depreciation (@40%)	Total depreciation	Net Amount
Computer Software	2019-20	₹ 0.00	₹ 0.00	₹ 25,278.00	₹ 10,111.20	₹ 10,111.20	₹ 15,166.80
	2020-21	₹ 15,166.80	₹ 10,111.20	₹ 0.00	₹ 0.00	₹ 10,111.20	₹ 5,055.60
	2021-22	₹ 5,055.60	₹ 5,055.60	₹ 0.00	₹ 0.00	₹ 5,055.60	₹ 0.00

Depreciation of fixed asset (Intangible Asset) purchased in 2020-21

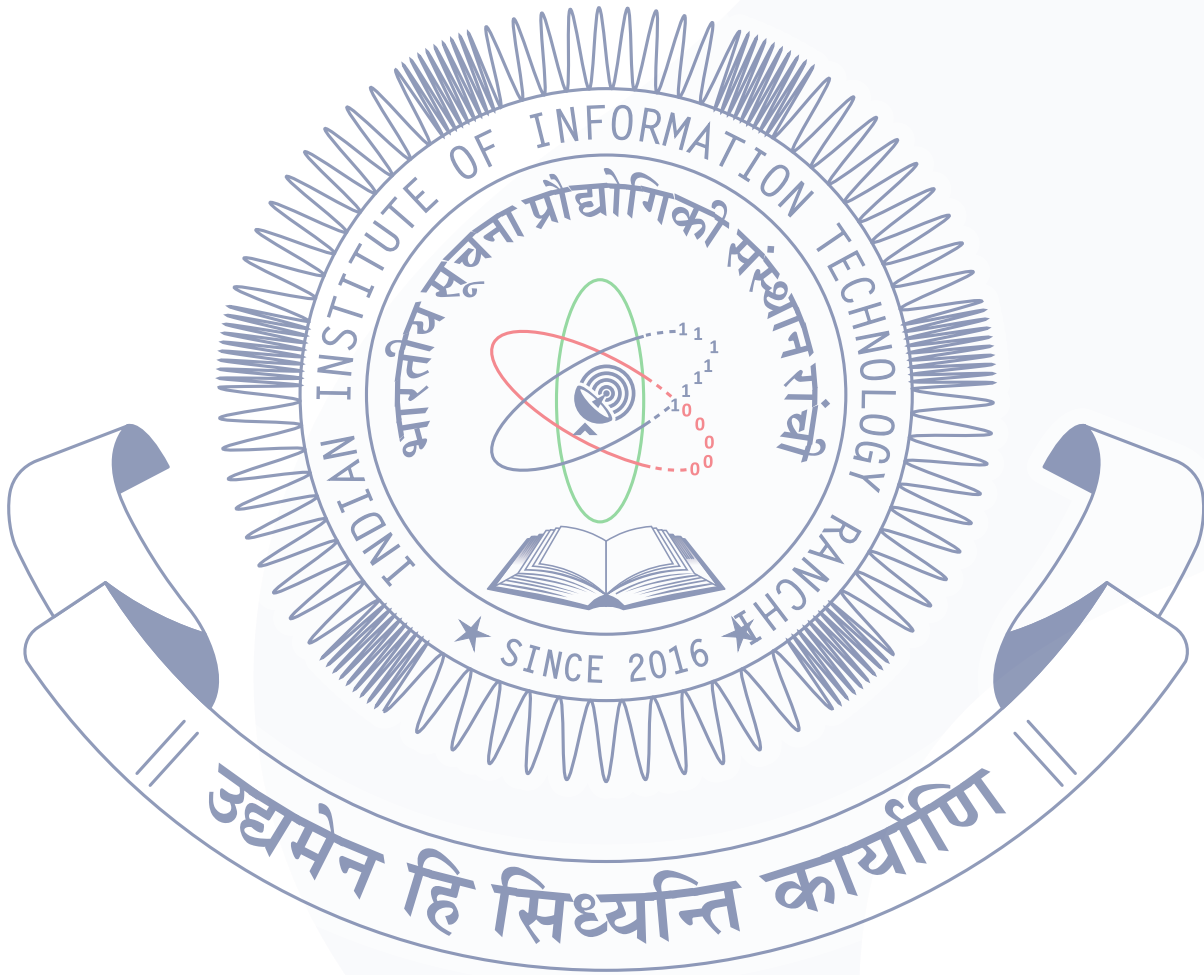
Asset head	Year	OP. Bal.	Depreciation (@40%)	Addition	Depreciation (@40%)	Total depreciation	Net Amount
Computer Software	2020-21	₹ 0.00	₹ 0.00	₹ 12,18,220.00	₹ 4,87,288.00	₹ 4,87,288.00	₹ 7,30,932.00
	2021-22	₹ 7,30,932.00	₹ 4,87,288.00	₹ 0.00	₹ 0.00	₹ 4,87,288.00	₹ 2,43,644.00

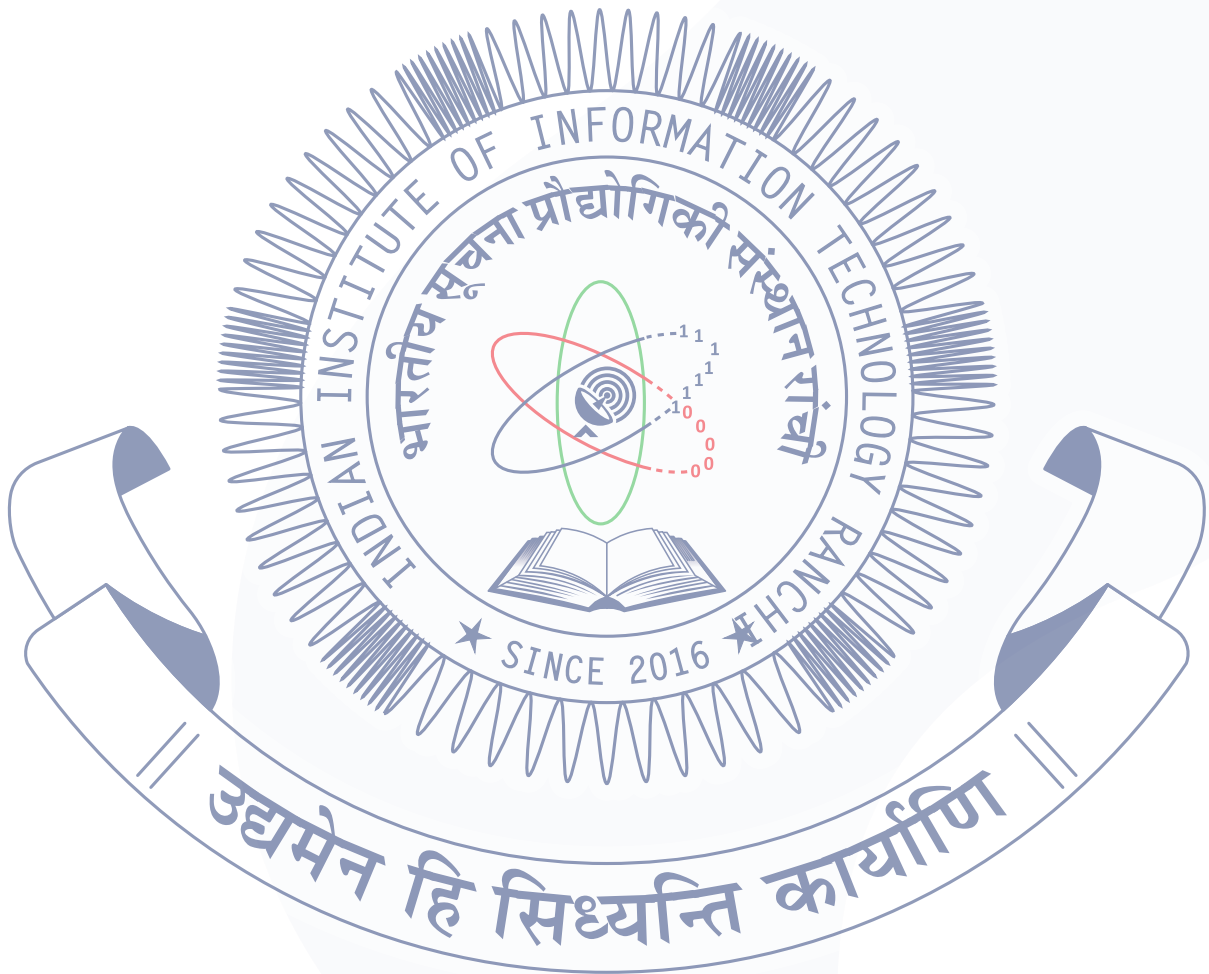
Depreciation of fixed asset (Intangible Asset) purchased in 2021-22

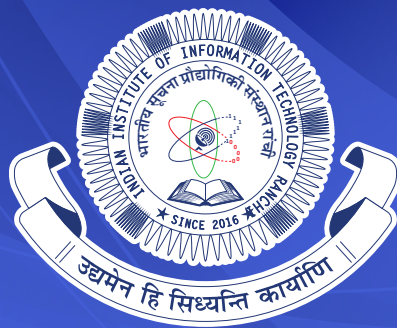
Asset head	Year	OP. Bal.	Depreciation (@40%)	Addition	Depreciation (@40%)	Total depreciation	Net Amount
Computer Software	2021-22	₹ 0.00	₹ 0.00	₹ 1,93,971.00	₹ 77,588.40	₹ 77,588.40	₹ 1,16,382.60

TOTAL DEPRECIATION FOR 2021-22**₹ 5,69,932.00**

Sd/-
Sr. Audit Officer/OAD(C)







भारतीय सूचना प्रौद्योगिकी संस्थान, रांची

Indian Institute of Information Technology, Ranchi

Science & Technology Campus, Namkum, Ranchi - 834010, Jharkhand