

Information Security Education and Awareness (ISEA) Project Phase- II Final Progress Report

Name of the Institution (PI): Tezpur University

Table 1: Summary of Academic Deliverables / Achievements/Manpower Trained

S. No.	Deliverables (Manpower)	Target								Achievements								
		Year I	Year II	Year III	Year IV	Year V / VI	Year VII	Year VIII/IX	Total	Year I	Year II	Year II	Year IV	Year V	Year VI	Year VII	Year VIII/IX	Total
		2015-16	2016-17	2017-18	2018-19	2019-20 / 2020-21	2021-22	2022-23 / 2023-24		2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23 / 2023-24	
1	PhD	-	-	-	-	-			-									
2	New M. Tech (IS)*																	
3	M. Tech (CS with specialisation in IS)*	-	-	18	18	18	18	18	72									
4	Integrated B. Tech / M. Tech in (IS / CS)*	-	-	30	30	30	30	30	120									
5	M Tech (Retrofit)^	-	45	45	45	45	45	45	225	29	17	12	16	22	13	23	27	159
6	M Tech (Thesis in IS)^																	
7	B Tech (Retrofit) ^	-	180	180	180	180	180		900	04	20	23	22	10	41	46	04	170
8	One/two week Modular courses	50	50	50	50	50	60		310	85	98	120	70		39			412
9	Total (Manpower)	50	275	323	323	323	333		1627	118	135	155	108	32	93	69	31	741
10	Paper Presentation**	1	1	1	1	1	1	1	6	08	04	04	03	07	04	03	03	36

*Strike out in case not applicable; Additional targets for PIs (Type I) for M. Tech (IS), M. Tech (CS with IS) and Integrated B. Tech/M. Tech

**Details of paper publications may be given as Annexure;

^Name of the subjects retrofitted at M. Tech & B. Tech level may be indicated separately; kindly refer Model Structure/Syllabus prescribed under ISEA Project Phase II for details

Corresponding details of candidates needs to be uploaded on www.isea.gov.in

Table 2: Capacities and Capabilities Evolved

S. No	Description	Progress/Achievement so far
1	Identified thematic areas for research/training	<ol style="list-style-type: none"> 1. Cyber security awareness 2. DDoS attacks mitigation 3. Malware Analysis 4. IoT enabled defense development 5. Blockchain Cybersecurity 6. Malware-based attacks in Cyber Physical Systems
	Usage of laboratory(ies) set up in the thematic areas.	Already established a 25-user IS lab which is being used regularly for (i) teaching, (ii) research and (ii) workshop. Upgraded the PCs with higher memories.
	Faculty/Post Doc / PhD students working in the thematic areas	07 PhD students are awarded their PhD Degrees in the domain of IS.
2	FDPs conducted in the thematic areas	<ol style="list-style-type: none"> a. Dr Nazrul Hoque b. Dr Ram C Baishya c. Dr Debasish Das d. Dr Debojit Boro e. Dr (Ms) Minakshi Gogoi f. Dr Rup Kumar Deka g. Dr. Hussain Ahmed Choudhury <ul style="list-style-type: none"> • 02 PhD students are working in IS • 01 PhD student has joined in IS research
	Short term courses conducted in the thematic areas	<ul style="list-style-type: none"> • FDP titled “Security in IoT” conducted in 2022. 0 FDP titled “Machine Intelligence and IoT” conducted during February 19-23, 2018 • FDP titled “Algorithms in Applications” with special emphasis on IS algorithms conducted during December 26-30, 2018
	Participation in FDPs of ISRDCs/RCs	NIL
3	Collaboration in emerging/thematic areas with ISRDCs/ RCs / Pis	Collaborative research in the field of Network Security and Machine Learning is going on for last 22 years with Department of Computer Sc of University of Colorado at Colorado Spring, USA.

	<p>R&D Outcome of collaboration</p>	<p>A, Book Publication:</p> <p>Published the following book on Network Security in October, 2017: Title: Network Traffic Anomaly Detection and Prevention: Concepts, Techniques, and Tools Authors: D K Bhattacharyya, M H Bhuyan (Univ of Umea, Sweden) Jugal K Kalita (UCCS, USA) Publisher: Springer ISBN: 978-3-319-65186-6</p> <p>B, Journal Publications:</p> <ol style="list-style-type: none"> 1. Bikash Barua, Manash Dutta, DK Bhattacharyya, An effective ensemble method for missing data imputation, Int'nl Journal of Information and Computer Security, 2023. 2. Shashank Shekhar, Nazrul Hoque DK Bhattacharyya, PKNN-MIFS: A Parallel KNN Classifier over an Optimal Subset of Features, Intelligent Systems with Applications, Elsevier,2022. 3. Parthajit Borah, Upasana Sarmah, DK Bhattacharyya, DLCC: Deep Learning in Effective COVID-19 classification, ACTA scientific Computer Sciences, 2022. 4. Ram C Baishya, D K Bhattacharyya A Complete Detection and Mitigation Framework to Protect a Network from DDoS Attacks, IETE Journal of Research Taylor & Francis Group, 2019 [DOI: 10.1080/03772063.2019.1604173] 4. Rup Kumar Deka, Dhruva Kumar Bhattacharyya, Jugal Kumar Kalita, Active learning to detect DDoS attack using ranked features, Computer Communications, 2019 [DOI:https://doi.org/10.1016/j.comcom.2019.06.010] 5. Debojit Boro, Mrinmoy Haloi, D K Bhattacharyya, A fast self-similarity matrix-based method for shrew DDoS attack detection, Information Security Journal: A Global Perspective, 2019 [DOI: https://doi.org/10.1080/19393555.2020.1715514] 6. D Das, D K Bhattacharyya, Defeating SQL injection attack in authentication security: an experimental study in International Journal of Information Security, Springer, vol 20, no 2, pp 225-234, 2019; https://doi.org/10.1007/s10207-017-0393-x 7. Deka, R.K., Bhattacharyya, D.K., and Kalita, J.K.2018, Granger Causality in TCP Flooding Attack. IJ Network Security (IJNS), 21. 8. Deka, R.K., Bhattacharyya, D.K. and Kalita, J.K. 2017. DDoS Attacks: Tools, Mitigation Approaches, and Probable Impact on Private Cloud Environment, Big Data Analytics for Internet of Things, Vol 1, Wiley, 2021 9. Hoque, N., Kashyap, H (Univ of California, Irvine) and Bhattacharyya, D.K., 2017. Real-time DDoS attack detection using FPGA. Computer Communications, Elsevier, 110, pp.48-58. 10. Das, D., Sharma, U. and Bhattacharyya, D.K., 2017. Defeating cyber attacks due to script injection.
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Int'l Journal of Network Security (IJNS), pp.1-22.

11. Baishya, R.C., Hoque, N. and Bhattacharyya, D.K., Kalita, J.K.. **DDoS Attack Detection Using Unique Source IP Deviation**. IJ Network Security (IJNS), 19(6), pp.929-939, 2017.
12. Saswati Goswami, Nazrul Hoque, Dhruva K. Bhattacharyya, Jugal Kalita, **An Unsupervised Method for Detection of XSS Attack**, in the International Journal of Network Security, volume 19, no 5, 2017.
13. R K Deka and D K Bhattacharyya, **Self-Similarity Based DDoS Attack Detection Using Hurst Parameter**, in the Journal of Security and Communication Networks, volume 9, Issue 17, pp 4468-4481, Wiley, August, 2016 (DOI: 10.1002/sec.1639).
14. M H Bhuyan, D K Bhattacharyya and J K Kalita, **ELDAT: A Lightweight System for DDoS Flooding Attack Detection and IP Traceback Using Extended Entropy Metric**, in the Journal of Security and Communication Networks, volume 9, issue 16, pp 3251--3270, Wiley, 2016.
15. N Hoque, D K Bhattacharyya and J K Kalita, **FFSc: A Novel Measure for Low-rate and High-rate DDoS Attack Detection using Multivariate Data Analysis** in the Security and Communication Networks, volume 9, issue 13, pp 2032-2041, Wiley, February, 2016
16. M H Bhuyan, D K Bhattacharyya and J K Kalita, **A Multi-step Outlier-based Anomaly Detection Approach to Network-wide Traffic**, in the Journal of Information Sciences, volume 348, pp 243-271, Elsevier, February 2016 [DOI:10.1016/j.ins. 2016.02.023
17. D Boro and D K Bhattacharyya, **DyProSD: A Dynamic Protocol-specific Defense for High-rate DDoS flooding attacks** Journal of Microsystem Technologies, volume 23, issue 3, pp 593-611, Springer, 2016
18. N Hoque, D K Bhattacharyya and J K Kalita, **A Fuzzy Feature Selection Method for Classification**, in the journal of Fuzzy Information and Engineering, volume 8, issue 3, pp 355-384, Elsevier, 2016

C, Conference Publications (presented):

19. Kausthav Pratim Kalita, Debojit Boro, Dhruva Kumar Bhattacharyya, **An Efficient Consensus Algorithm for Blockchain –based Federated Learning**, International Conference on Intelligent Systems, Advanced Computing and Communication (ISACC), IEEE, 2023.
20. N Hoque, DK Bhattacharyya, **Internet-of-Thing-enabled energy systems: architectures, issues, and challenges**, Nanoelectronics: Physics, Materials and Devices, pp:487-506 , Elsevier, 2023.
21. Upasana Sarmah, DK Bhattacharyya, **Cost Effective Detection of Cyber Physical System Attacks**, Advances in Machine Learning for Big Data Analysis, 33-69, 2022
22. Kausthav Pratim Kalita, Jerry Casper Kharbhiih, Debojit Boro and Dhruva Kumar Bhattacharyya, **An enhanced blockchain consensus mechanism using proof-of-work and proof-of-stake**, EGTET 2022, Springer.
23. Kausthav Pratim Kalita, Eric Rani, Debojit Boro and Dhruva Kumar Bhattacharyya, **Blockchain with adjustable proof-of-work consensus mechanism for mobile devices**, EGTET 2022, Springer.
24. Parthajit Borah, DK Bhattacharyya, JK Kalita, **Cost Effective Method for Ransomware Detection: An Ensemble approach**, 17th ICDCIT (International Conference on Distributed Computing and Internet Technology), 2021.
25. Parthajit Borah, DK Bhattacharyya, JK Kalita, **Malware Dataset Generation and Evaluation**, IEEE Conference on Information and Communication Technology, 2020, IIITDM, Chennai.
26. Adirtha Borgohain, Sourish Sarmah, Dhruva K Bhattacharyya, **Detection of Malicious Network Traffic Using Machine Learning**, International Conference On Recent Trends In Science & Technology (ICRTST - 2020).
27. R. K. Deka, K. P. Kalita, D. K. Bhattacharyya, and D. Boro, "**A Smart Feature Reduction Approach to Detect Botnet Attack in IoT**," First International Conference on Emerging Global Trends in Engineering and Technology (EGTET), 2020.
28. Parthajit Borah, Aguru Teja, Saurabh Anand Jha and Dhruva Bhattacharyya, **TUKNN: a parallel knn algorithm to handle large data**, in International Conference On Big Data, Machine Learning and Applications (BigDML 2019), Springer, 2019.
29. Upasana Sarmah, Dhruva Kumar Bhattacharyya and Jugal Kalita, **XSSD: A Cross-site Scripting Attack Dataset and its Evaluation**, Third ISEA International Conference on Security and Privacy 2020, IEEE.
30. Ram Charan Baishya and Dhruva Bhattacharyya, **Singleton Flow Traceback (SFT) Mechanism**, Third ISEA International Conference on Security and Privacy 2020, IEEE.

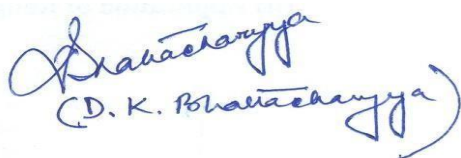
31. Kausthav Pratim Kalita, Debojit Boro and Dhruba Kumar Bhattacharyya, **Implementation of Minimally Shared Blockchains using Big Data Applications**, Third ISEA International Conference on Security and Privacy 2020, IEEE.
32. N Hoque, Hasin A Ahmed and D K Bhattacharyya, **Empirical Analysis of Proximity Measures in Machine Learning**, in 1st International Conference in Computational Intelligence in Pattern Recognition, Springer, 2019
33. Sampreet Kalita and D K Bhattacharyya, **Secure: An Effective Smartphone Safety Solution**, in 1st International Conference in Computational Intelligence in Pattern Recognition, Springer, 2019
34. H Ahmed, D K Bhattacharyya, J K Kalita, '**mRMR+: An Effective Feature Selection Algorithm for Classification**' in the LNCS Proc of PREMI'18, ISI, Kolkata, December, 2017, Springer.
35. M Saikia, N Hoque, D K Bhattacharyya, J K Kalita, '**MaNaDAC: An Effective Alert Correlation Method**' in the IC3, 2018, SMIT, Sikkim, 2018, IEEE.
36. M H Bhuyan, D K Bhattacharyya, J K Kalita, '**HLR_DDoS: A Low-Rate and HighRate DDoS Attack Detection Method Using α -Divergence**' in the Lecture Notes in Networks and Systems book series (LNNS, vol 24), IC3'17, Springer, Singapore.
37. N Hoque, D K Bhattacharyya and J K Kalita, **Denial of Service Attack Detection Using Multivariate Correlation Analysis**, in the ACM Proc of 2nd Int'l Conf on Information and Communication Technology for Competitive Strategies, 2016

S. No	Description	Progress/Achievement so far
	Joint programmes undertaken	NIL
4	Mentoring/handholding of faculty/ Cyber System personal of other institutions	<ul style="list-style-type: none"> • Provided hands-on training on Cyber Security to Indian Army personnel • Provided hands-on training on Cyber Security to faculty members of neighboring Institutions
	R&D/Consultancy/Training activities of industry/ R&D organizations/ Govt./defence/others	<p>Organized two short term courses titled “Cyber Security” and “Knowing Cyber Attacks Adopting Honeynet” in association with MNC and other research groups in the department for Army personnel and faculty members and researchers from other institutions.</p> <p>Organized a Course titled “Organized on “Machine Learning in R & Python” in association with Experts from Industry and Academia was organized for UG, PG and PhD students from TU and other neighboring institutions during 22nd Jan’19 to 1st Feb’19.</p>
	Student internship	Every year (2016-19) 03-04 BTech students (4 th sem) carried out 8-week summer internship on Cyber Security in the CDACs.
5	Other ongoing R&D/Consultancy/ Training/Testing projects related to ISEA	<p>As part of R&D activities of MHRD funded Centre of Excellence, PhD research, UG/PG dissertation works are going on.</p> <p>01 PhD student has submitted his thesis on “Development of DDoS Attack Detection and Mitigation System.”</p>
6	Placement mechanism for trained security professionals and details of placement.	Internship and project provisions have been made with some Industries/Companies such as Intel, CDAC (Pune), C-DAC Mohali, etc
7	Participation of Faculty/Post Doc/ research scholars in ISEA related Journals/Conferences	NIL
8	Books/courseware developed	<ol style="list-style-type: none"> 1. DDoS Attack: Evolution, Detection, Prevention, Reaction and Tolerance, co-author: Prof Jugal K Kalita of UCCS, USA; Publisher: CRC Press, Taylor and Francis Group, 2016; [ISBN-10: 1498729649; ISBN13: 978-1498729642] 2. Network Traffic Anomaly Detection and Prevention-- Concepts, Techniques and Tools; Co-authors: Dr Monowar H Bhuyan (KU, India) and Prof Jugal K Kalita (UCCS, USA); Publisher: Springer, 5th September, 2017 [ISBN: 978-3319651866; Pages: 263]
9	Products/solutions for patent and Technology transfer	A process is on for patenting a design related to women security (Android App based) system supported by an IoT enabled wearable device.
10	Noteworthy achievements	<ul style="list-style-type: none"> • Nominated for K7 Cybersafe Award in 2019. • Developed a real-time DDoS attack detection system implemented using FPGA (Published by <i>Computer Communications</i>, Elsevier)

		<ul style="list-style-type: none"> • Our book titled “DDoS Attack: Evolution, Detection, Prevention, Reaction and Tolerance” co-authored with Prof J K Kalita from UCCS, USA has been widely attracted by many readers, especially from USA and China. • Created a feature dataset for both windows and android malware binaries that includes a total of 10000 instances of malware. • Created a feature dataset for Cross Site Scripting dataset that includes a total of 6695 instances. • Developed a singleton flow traceback mechanism.
11	Any others	<p>Following works have been done using the resources of ISEA Project:</p> <ol style="list-style-type: none"> 1) Determining Crucial Genes Associated with COVID-19 based on COPD Findings. (Published in Computers in Biology and Medicine, vol 128, pp. 104126, Elsevier) 2) COVID-19: A Systematic Study 3) COVID-19: Automated detection from X-Ray images using Convolutional Neural Networks.

		Impact of COVID 19 on academic activities	<ol style="list-style-type: none"> 1. Classes are organized virtually for enrolled students 2. Term end Project evaluation conducted virtually. 3. 40 e-course materials are developed
12	Plan for Future	Brief action plan/strategy (including timelines) for achieving assigned deliverables (specific pointers only)	<ol style="list-style-type: none"> 1 Enhancement of laboratory facilities. 2 Development of a dynamic Rule Engine for online malware detection. 3 Development of Deep GNN based malware subtype identification. 4 Initiated authoring a book titled Essentials of Cyber Security based on UGC syllabus.
13		Financials	Sanctioned: 44,37,344 Utilization: 44,27,424

Submitted by



(D. K. Bhattacharyya)

Prof. D.K. Bhattacharyya
Deptt. Of Computer Sc. & Engg.
Tezpur University.

(D K Bhattacharyya)
Chief Investigator

GFR 12 – A
 [(See Rule 238 (1))]
 UTILIZATION CERTIFICATE FOR THE YEAR 2023-24 in respect of recurring/non-recurring
 GRANTS-IN-AID/SALARIES/CREATION OF CAPITAL ASSETS

1. Name of the Scheme: ISEA Project Phase - II
2. Whether recurring or non-recurring grants: both
3. Grants position at the beginning of the financial year: 2023-24

(i) Cash in Hand/Bank: ₹ 9920.00

(ii) Unadjusted advances: NIL

(iii) Total: ₹ 9920.00

4. Details of grants received, expenditure incurred and closing balances: (Actual)

Unspent Balances of Grants received years [figure as at Sl. No. 3 (iii)]	Interest Earned thereon	Interest deposited back to the Government	Grant received during the year			Total Available funds (1+2-3+4)	Expenditure incurred	Closing Balances (5-6)
			Sanction No. (i)	Date (ii)	Amount (iii)			
1	2	3	4			5	6	7
9920.00	NIL	NIL	NIL	NIL	NIL	9920.00	9920.00	NIL

Component wise utilization of grants:

Grant-in-aid- General	Grant-in-aid- Salary	Grant-in-aid-creation of capital assets	Total
9920.00	NIL	NIL	9920.00

Details of grants position at the end of the year: 2023-24

- (i) Cash in Hand/Bank: ₹ NIL
- (ii) Unadjusted Advances: NIL
- (iii) Total: ₹ NIL

Signature

[Signature]
 Name:
 CFO (Head of Finance)
 Finance Officer
 Tezpur University

Signature

[Signature]
 Name
 Head of organization
 Registrar
 Tezpur University

Dean R&D

For your informⁿ and office copy pl.

[Signature]
 17/10/24

[Signature]
 18.10.24

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 RECEIPT NO. 8149
 DATE OF RECEIPT 17/10/24
 TEZPUR UNIVERSITY
 OFFICE OF DEAN R&D

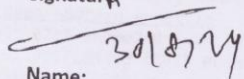
Certified that I have satisfied myself that the conditions on which grants were sanctioned have been duly fulfilled/are being fulfilled and that I have exercised following checks to see that the money has been actually utilized for the purpose for which it was sanctioned:

- (i) The main accounts and other subsidiary accounts and registers (including assets registers) are maintained as prescribed in the relevant Act/Rules/Standing instructions (mention the Act/Rules) and have been duly audited by designated auditors. The figures depicted above tally with the audited figures mentioned in financial statements/accounts.
- (ii) There exist internal controls for safeguarding public funds/assets, watching outcomes and achievements of physical targets against the financial inputs, ensuring quality in asset creation etc. & the periodic evaluation of internal controls is exercised to ensure their effectiveness.
- (iii) To the best of our knowledge and belief, no transactions have been entered that are in violation of relevant Act/Rules/standing instructions and scheme guidelines.
- (iv) The responsibilities among the key functionaries for execution of the scheme have been assigned in clear terms and are not general in nature.
- (v) The benefits were extended to the intended beneficiaries and only such areas/districts were covered where the scheme was intended to operate.
- (vi) The expenditure on various components of the scheme was in the proportions authorized as per the scheme guidelines and terms and conditions of the grants-in-aid.
- (vii) It has been ensured that the physical and financial performance under ISEA (name of the scheme has been according to the requirements, as prescribed in the guidelines issued by Govt. of India and the performance/targets achieved statement for the year to which the utilization of the fund resulted in outcomes given at Annexure – I duly enclosed.
- (viii) The utilization of the fund resulted in outcomes given at Annexure – II duly enclosed (to be formulated by the Ministry/Department concerned as per their requirements/specifications.)
- (ix) Details of various schemes executed by the agency through grants-in-aid received from the same Ministry or from other Ministries are enclosed at Annexure –II (to be formulated by the Ministry/Department concerned as per their requirements/specifications).

Date:

Place:

Signature

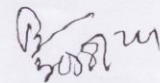


Name:

CFO (Head of Finance)

Finance Officer
Tezpur University

Signature



Name

Head of organization

Registrar
Tezpur University

S.No	Particulars	Grant Received (2015-16)	Expenditure		Balance account wise (31-03-2017)	Grant Received (2017-18)	Expenditure			Balance account wise (31-03-2020)
			2015-16	2016-17			2017-18	2018-19	2019-20	
A. Core Funding										
(i)	Capital Expenditure									
1	Equipment	30.00	21,42648	8,56420	.00932	-0.00932	NIL	NIL	NIL	NIL
2	Books / Journals	1.00	1,00115	NIL	-00115	1,00115	0,11610	0,89710	NIL	-0,01320
	Total (Capital)	31.00	22,42763	8,56420	.00817	0,99183	0,11610	0,89710	NIL	-0,01320
(ii)										
1	Revenue Expenditure									
	LM/Courseware Development, Virtual Lab, Guest Faculty, Manpower, Travel, MIS, Contingencies, Consumables, Miscellaneous, etc.	4.00	0,70387	2,24117	1,05496	2,79019	3,66825	0,13142	0,06125	-0,01577
2	Overheads (incl. Placement Assistance) @ 15%	0.60	NIL	0,37500	0,22500	0,37500	0,37500	0,20000	NIL	0,02500
	Total Core Funding (To be linked with total Outcome/Deliverable achieved)	35.60	23,13150	11,18037	1,28113	4,15702	4,15935	1,22852	0,06125	-0,00397
B. Outcome / Deliverable linked funding										
(a)										
	PI (23 Centres)									
1	Paper Presentation [upto Rs.40,000 per candidate]**	0.40	NIL	NIL	0.40	NIL	NIL	NIL	NIL	0.40
2	Overheads (incl. Placement Assistance) @15%**	0.06	NIL	NIL	0.06	NIL	NIL	NIL	NIL	0.06
	Sub-Total	0.46	NIL	NIL	0.46	NIL	NIL	NIL	NIL	0.46
C. GRAND TOTAL (A+B+C)										
	Interest accrued	36.06	23,13150	11,18037	1,74813	4,15702	4,15935	1,22852	0,06125	0,45603
	Grand TOTAL (A+B+C)	36.06	0,09050	0,06435	0,15485	4,15702	4,22207	1,25627	0,24532 (rounded to CDAG)	NIL
	Balance Grant		23,22220	11,24472	1,90298	6,06000	1,96337	0,76260	1,45603	0,45603

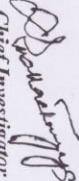
** Please include list of papers presented and candidate details as annexure.
 Note: Please include list of papers presented and candidate details at ISEA Portal i.e. www.isea.gov.in

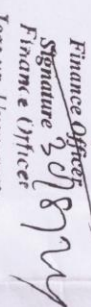
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 Chief Investigator
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[Signature]
 Finance Officer
 Signature
 Finance Officer
 Tezpur University

S. No	Particulars	Account wise (31-03-2020)	Grant Received (2020-21)	Fiscal Year				Account wise (31-03-2024)
				2020-21	2021-22	2022-23	2023-24	
A	Core Funding							
(i)	Capital Expenditure							
1	Equipment	NIL		NIL	NIL	NIL	NIL	NIL
2	Books / Journals	-0.01320	1.00	0.69081	NIL	NIL	NIL	0.29599
	Total (Capital)	-0.01320	1.00	0.69081	NIL	NIL	NIL	0.29599
(ii)	Revenue Expenditure							
1	LM/Courseware Development, Virtual Lab, Guest Faculty, Manpower, Travel, MIS, Contingencies, Consumables, Miscellaneous, etc.	-0.01577	2.74471	0.65145	0.87094	1.92295	0.09920	-0.8156
2	Overheads (incl. Placement Assistance) @ 15%	0.02500	0.41171	0.37710	NIL	NIL	NIL	0.05961
	Total Core Funding (ii) to be linked with total Outcome/Deliverable achieved	-0.00397	415642	1.71956	0.87094	1.92295	0.09920	-0.46
B	Outcome / Deliverable linked funding							
(a)	Pl (23 Centres)							
1	Paper Presentation [upto Rs.40,000 per candidate]**	0.40	NIL	NIL	NIL	NIL	NIL	0.40
2	Overheads (incl. Placement Assistance) @ 15% **	0.06	NIL	NIL	NIL	NIL	NIL	0.06
	Sub-Total	0.46	NIL	NIL	NIL	NIL	NIL	0.46
	GRAND TOTAL (A+B+C)	0.45603	415642	1.71956	0.87094	1.92295	0.09920	NIL
C	Interest accrued	NIL		NIL	0.05530	0.005530 (credited to CDAC)	NIL	NIL
	Grand Total (A+B+C)	0.45603	461245	1.71956	0.92624	0.009920	0.09920	NIL
	Balance Grant			2.89309	2.07745			NIL

** Please include list of papers presented and candidate details as annexure.
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 Chief Investigator
 Signature


 Finance Officer
 Signature
 Finance Officer
 Tezpur University