**Sambalpur University Institute of Information Technology (SUIIT)
Evaluative Report for the period 2010-11 to 2014-15**

1. **Name of the Department**   : Sambalpur University Institute Of Information Technology
2. **Year of Establishment**   :   2010
3. **Is the Department part of a School/Faculty of the University   :   No**
4. **Names of Programmes / Courses Offered :**

Sl.No.			Name of the Course	Year of commencement
1	UG	B.Tech	Electronics & Communication Engg.	2010
			Computer Sc. & Engg.	
2	PG	M.Tech	Computer Science & Engineering	2010
			Embedded System Design	2011
			Communication System Engineering	2015
		M.Sc	Computer Science	2010
			Electronics	2010
			Bioinformatics	2010
		MCA		2011
3	Ph.D	Computer Science and Engineering		2010
		Electronics		

5. **Interdisciplinary courses & Departments involved   :** No

6. **Courses in Collaboration with other Universities, Industries, Foreign Institutions:**
One

7. **Details of Programmes / Courses discontinued If any, with reasons:**
No

8. **Annual/Semester/Choice Based Credit System:**
Semester

9. **Participation of the department in the courses offered by other departments:**
No

10. **Number of Teaching posts sanctioned and actual (Professors/ Associate Professors/ Asst. Professors/others)**

Designation	Sanctioned	Filled
Professor	0	0
Readers	0	0
Asst. Prof/ Lecturers	15	15

11. Faculty Profile with name, qualification, designation and specialization (D.Sc./D.Litt./Ph.D./M.Phil)

Name	Qualifi-cation	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Mr. A. Nag	M. Tech	Asst. Professor in Bioinformatics	Bioinformatics Biotechnology	5	-
Mr. P. K. Ratha	M. Tech IT	Asst. Professor In Computer Sc.	Databases , Data Mining, Pattern Recognition	10	-
Ms. S. Kar	M. Tech	Asst. Professor In Electronics	Digital Signal Processing	4	-
Mr. R. Pati	M.Phil Math	Asst. Professor In Mathematics	Numerical Analysis	7	-
Ms. R. Patra	M Phil Math	Asst. Prof. In Mathematics	Differential Geometry	4	-
Ms. S. Pattanaik	ME, Vlsi Design	Asst. Prof. In Electronics	Cad Vlsi	6	-
Mr. K. Das	M. Tech Cs	Asst. Prof. In Computer Sc.	Computer Network	6	-
Ms. S. S. Pradhan	M. Tech Cs	Asst. Prof. In Computer Sc.	Computer Sc. Engg	5	-
Mr. B. P. Bag	M. Sc.	Lecturer In Bioinformatics	Life Sciences, Bioinformatics	8	-
Dr. K. C. Patra	M.Sc., Ph. D	Lecturer In Electronics	Communication (High Frequency)	15	6 2-individual 4-Co Guide
Dr. V. Mukherjee	M. Sc, Ph. D	Asst. Prof. In Physics	Spectroscopy	7	-
Mr. P. K. Sethy	M. Tech ECE	Lecturer In Electronics	Electronics & Communication Engineering	2	-
Dr M. Panda	MSc PhD	Lecturer in Computer Science	Management Information System and WSN	7	
Ms S. De	MBA	Assistant Professor in Management	Finance	4	
Mr. P. Mishra	M.Tech	Assistant Professor in Electronics	Signal Processing	6	

12. List of Senior Visiting Fellows, Faculty, Adjunct Faculty, Emeritus Professors.

Batch	Name of the Teacher	Name of the Organization of the teacher.
2010-11	Prof. K. S. Naik	University of Waterloo, Kanada
2010-11	Mr. Bivas Sen	NIT, Durgapur
2010-11	Mr. S. Panigrahi	NIT, Rourkela
2011-12	Mr. Bivas Sen	NIT, Durgapur
2011-12	Prof. A. K. Pujari	C.U. Hyderabad
2011-12	Prof. V. C. P. Nair	C.U. Hyderabad
2011-12	Prof. S. K. Udgata	C.U. Hyderabad
2011-12	Mr. Bivas Sen	NIT, Durgapur
2011-12	Mr. M. Koteswar Rao	C.U. Hyderabad

13. Percentage of Classes taken by temporary faculty- programme-wise information:
Nil
14.
15. Programme-wise Student Teacher Ratio.: 36:1 (overall)

16. Number of Academic support staff (technical) and administrative staff: Sanctioned and filled.

Designation	Sanctioned	Filled
Technical Asst.	1	1
Administrative Staff	7	7

17. Research thrust areas recognized by funding agencies:
Nil

18. Number of faculty with ongoing projects:
Yes

19. Inter-Institutional collaborative projects and grants received:
Nil

20. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR:
Two

   a. **Name**: Development of effective Wireless Sensor Network system for water quality and quantity monitoring(Aquasense)
- **Sponsoring Agency:** ITRA, DeITy and Govt. of India
- **Principal Investigator:** Dr. N. R. Satapathy, Reader(HoD, Dept. of Mathematics, Sambalpur University)
- **Co-Principal Investigator:** Mr. Pradyumna Ratha, SUIIT
- **Period:** 3 years
- **Amount:** 49 Lakhs

   b. **Name**: Molecular Modeling Vibrational Dynamics and NBO analyes of some monoamine neurotransmitters
- **Sponsoring Agency**: DST-SERB
- **Principal Investigator:** Dr. V. Mukherjee, SUIIT
- **Period:** 3 years
- **Amount:** 17.9 Lakh

21. **Research Facility/Centre with:**
    - State recognition: Nil
    - National recognition: Nil
    - **International recognition**:
      Headquarters of IUAES Commission on Children, Youth and Childhood

22. **Special research laboratories sponsored by/created by industry or corporate bodies :**
                              None
23. **Publications:**

Nature of Information	Total
Number of papers published in peer reviewed journals (national/international)	31
Chapters in Books	4
Books Edited	1

24. **Faculty selected nationally / internationally to visit other laboratories/ institutions /industries in India and abroad :**
   - Atul Nag visited Biochemical & Bioinformatics Laboratory, IIT Delhi in 2011.
   - Pradyumna Kumar Ratha visited CMSD Laboratory, University of Hyderbad in 2013 & 2015.

25. **Faculty serving in :**
   a) **National committees**   : Nil
   b) **International committees**   : Nil
   c) **Editorial Boards**   : Nil
   d) **Any other (please specify)** : Nil

27. **Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):**

   A. Participation by the Faculties (Number):

As participant

Programme	2010-11	2011-12	2012-13	2013-14	2014-15
Training	Nil	1	Nil	2	2
Orientation Programme	Nil	Nil	1	Nil	Nil
Workshop	2	5	4	12	15
Refresher Course	Nil	Nil	1	2	Nil

As Resource Person

Programme	2010-11	2011-12	2012-13	2013-14	2014-15
Training	Nil	Nil	Nil	Nil	Nil
Orientation Programme	Nil	Nil	Nil	Nil	Nil
Workshop	Nil	1	Nil	3	Nil
Refresher Course	Nil	Nil	Nil	Nil	Nil

B.Organised by the Department (Number):

Programme	2010-11	2011-12	2012-13	2013-14	2014-15
Conferences	Nil	Nil	Nil	Nil	Nil
Seminar	Nil	Nil	Nil	Nil	Nil
Workshop	Nil	1	Nil	1	Nil
Orientation Course	Nil	Nil	Nil	Nil	Nil
Refresher Course	Nil	Nil	Nil	Nil	Nil

28. Student projects:

	Programme	2010-11	2011-12	2012-13	2013-14	2014-15
Percentage of students who have done in house projects including interdepartmental projects	B.Tech CSE	Nil	Nil	Nil	100%	100%
	B.Tech ECE	Nil	Nil	Nil	100%	100%
	M.C.A.	Nil	Nil	Nil	0%	0%
	M.Sc. Electronics	100%	100%	100%	100%	100%
	M.Sc. Comp. Sc.	100%	100%	100%	100%	100%
	M.Tech. CS	0%	15%	20%	15%	15%
	M.Tech ESD	Nil	Nil	0%	20%	20%
Percentage of students doing projects in collaboration with other University/ Industry /Institute	B.Tech CSE	Nil	Nil	Nil	0%	0%
	B.Tech ECE	Nil	Nil	Nil	0%	0%
	M.C.A.	Nil	Nil	Nil	100%	100%
	M.Sc. Electronics	0%	0%	0%	0%	0%
	M.Sc. Comp. Sc.	0%	0%	0%	0%	0%
	M.Tech. CS	100%	85%	80%	85%	85%
	M.Tech ESD	Nil	Nil	100%	80%	80%

29. Awards / recognitions received at the national and international level by Faculty:
   a) Prabir Kumar Sethy, Lecturer in Electronics got best participant in refresher course in mathematics with theme of Matyhamatical Modeling and Simulation conducted by UGC Academic Staff College , Sambalpur University in 2013-14
   b) Rasmikanta Pati, Asst. Prof. in Mathematics got best participant in refresher course in mathematics with theme of Matyhamatical Modeling and Simulation conducted by UGC Academic Staff College , Sambalpur Unversity in 2013-14
   c) Prabir Kumar Sethy, Lecturer in Electronics qualified UGC NET in Electronics Science on June, 2014 and December, 2014
   d) Kalyan Das, Asst. Prof. in Comp. Sc. qualified UGC NET in Computer Science on December, 2013
   e) Pradyumna Kumar Ratha, Asst. Prof. in Comp. Sc. qualified GATE in Computer Science on 2012

Doctoral / post-doctoral fellows: NIL

Students:
   a) Rashmiranjan Khansama, M. Sc CS, qualified UGC NET in Computer Science on December, 2014 and GATE on 2014
   b) Barada Prasanna Biswal, B. Tech ECE, qualified GATE in ECE on 2014
   c) Sharmistha Nayak, B. Tech ECE, qualified GATE in ECE on 2015
   d) Krishna Kanta Singh, B. Tech CSE, qualified GATE in CSE on 2015

e) Krutika Varma, B. Tech CSE, qualified GATE in CSE on 2015
f) Smruti Ranjan Pradhan, M. Sc EL, qualified GATE in EL on 2015
g) Monoranjan Pradhan, M. Sc EL, qualified GATE in EL on 2015
h) Biswajit Pradhan, M. Sc EL, qualified GATE in EL on 2015
i) Anurag Satapathy, B. Tech ECE, qualified CAT on 2014
j) Manisha Bose, B. Tech ECE, qualified XAT on 2015
k) Abhilash Mishra, B. Tech ECE, qualified XAT on 2015

30. Seminars/ Conferences/Workshops organized and the source of funding (national /international) with details of outstanding participants, if any:

Sl. No.	Title	Sponsoring Agency	Date	Outstanding Participants
1	Embedded Computer Application: Systems & Technology" (ECAST 2011)	SUIIT	April 2-3, 2011	Prof. G. Panda Prof. P. K. Das Prof. G. N. Dash Prof. Arun K Pujari
2	National Workshop on "Embedded Computer Application Systems & Technologies"(ECAST-2013)	SOA, BBSR & SUIIT	March 22-23, 2013	Prof. P. K. Das and others
3	National Workshop on "Embedded Computer Application Systems & Technologies"(ECAST-2013)	SIT, SBP & SUIIT	August 4, 2013	Prof. S. S. Pujahari Ms. Shibani Kar
4	National Workshop on Recent Advancements of Computer Science & Electronics Engineering for Information Technology (RACE i T- 2015)	DRDO	January 15-17, 2015	Prof. G. Panda Prof. P. K. Das Prof. S. Bhatacharya Dr. T. Gandhi, MIT, USA
5	Faculty Development Program on Emerging Research In Applied Computer Science and Electronics (ERACE-2014)	SUIIT	April 19, 2014	Prof. G. Panda Prof. P. K. Das Prof. G. N. Dash
6	Workshop on Labview	National Instruments	January 14-15, 2012	Professionals of National Instruments

31. Code of ethics for research followed by the departments

- Increase in understanding and executing Electronics Systems and Computer System & System Software
- Due approval procedure adopted during research project
- Proper citation is being given to earlier contributors
- Confidentiality and secrecy is maintained with integrity
- Authorship in publication is being given on reality

32. Student profile course-wise:

Academic Year: 2010-11 to 14-15 (Last Five Years)

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2010- B. Tech CS		8	6	100	100
2010-B. Tech ECE		19	8	96	96
2010-M. Sc BI		1	3	100	100
2010-M. Sc EL		1	5	100	100
2010-M. Sc CS		3	8	100	100
2010-M. Tech CS		2	10	83	83
2011- B. Tech CS	62	6	2	75	75
2011-B. Tech ECE	115	10	14	90	90
2011-M. Sc BI	6	3	0	33	-
2011-M. Sc EL	9	1	8	66	66
2011-M. Sc CS	55	3	16	100	100
2011-M. Tech CS	44	8	7	100	100
2011-M. Tech ESD	14	2	0	100	-
2011-MCA	38	4	13	100	100
2012- B. Tech CS	33	4	4	-	-
2012-B. Tech ECE	38	4	7	-	-
2012-M. Sc BI	9	0	7	100	100
2012-M. Sc EL	19	4	7	100	100
2012-M. Sc CS	46	7	15	100	100
2012-M. Tech CS	38	2	8	100	100
2012-M. Tech ESD	12	1	4	100	100
2012-MCA	30	6	9	90	90
2013- B. Tech CS/ECE	80	7	4	-	-
2013-M. Sc BI	11		3	-	-
2013-M. Sc EL	29	2	7		100
2013-M. Sc CS	50	7	15	100	90
2013-M. Tech CS	30	5	8	90	100
2013-M. Tech ESD	25	8	6	100	100
2013-MCA	35	8	8	100	-
				-	
2014- B. Tech CS/ ECE	54	10	7	-	-
2014-M. Sc BI	3		3	-	-
2014-M. Sc EL	19	6	3	-	-
2014-M. Sc CS	55	6	13	-	-
2014-M. Tech CS	32	6	7	-	-
2014-M. Tech ESD	31	5	3	-	-
2014-MCA	17	13	9	-	-

33.   Diversity of students:
 Academic Year: 2010-11 to 2014-15

Name of the Course	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2010- B. Tech CS	53.30	46.66	-	-
2010-B. Tech ECE	44.44	55.55	-	-
2010-M. Sc BI	25.00	75.00	-	-
2010-M. Sc EL	50.00	50.00	-	-
2010-M. Sc CS	09.09	90.90	-	-
2010-M. Tech CS	58.33	41.66	-	-
2011- B. Tech CS	14.28	85.71	-	-
2011-B. Tech ECE	68.18	31.81	-	-
2011-M. Sc BI	66.66	33.33	-	-
2011-M. Sc EL	66.66	33.33	-	-
2011-M. Sc CS	84.21	15.78	-	-
2011-M. Tech CS	26.66	73.33	-	-
2011-M. Tech ESD	0.00	100.0	-	-
2011-MCA	94.11	05.88	-	-
2012- B. Tech CS	25.00	75.00	-	-
2012-B. Tech ECE	45.45	5.54	-	-
2012-M. Sc BI	71.42	28.57	-	-
2012-M. Sc EL	72.72	27.27	-	-
2012-M. Sc CS	68.18	31.81	-	-
2012-M. Tech CS	00.00	100.0	-	-
2012-M. Tech ESD	20.00	80.00	-	-
2012-MCA	80.00	20.00	-	-
2013- B. Tech CS	85.71	14.28		
2013-B. Tech ECE	31.81	68.18		
2013-M. Sc BI	33.33	66.66		
2013-M. Sc EL	33.33	66.66		
2013-M. Sc CS	68.18	31.81		
2013-M. Tech CS	00.00	100.0		
2013-M. Tech ESD	20.00	80.00		
2013-MCA	80.00	20.00		
2014- B. Tech CS	46.66	53.30		
2014-B. Tech ECE	55.55	44.44		
2014-M. Sc BI	75.00	25.00		
2014-M. Sc EL	66.66	33.33		
2014-M. Sc CS	84.21	15.78		
2014-M. Tech CS	26.66	73.33		
2014-M. Tech ESD	0.00	100.0		
2014-MCA	94.11	05.88		

34. **How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.**

Name of the Examination	No. of Students qualified
GATE	**8**
UGC- NET	1

35. **Student Progression:**

Sl. No.	Name	Courses	Achievement
1	Gourav Mishra	B. Tech CSE	Associate Engineer at IBM, Hyderabad (April 2015)
2	Aditya Narayan Rout	B. Tech CSE	Systems Engineer at Infosys
3	Saswatee Panda	B. Tech CSE	Systems Engineer at Infosys
4	Madhur Bhasini Chaini	B. Tech CSE	JAVA/J2EE Software Engineer at Sanovi Technologies India Pvt. Ltd, Bangalore
5	Linmoy Pradhan	B. Tech CSE	Systems Engineer at Infosys, Maharastra (January 2015)
6	Abinash Sahu	B. Tech ECE	M.Tech at IIIT, Banglore
7	Trideba Padhi	B. Tech ECE	PhD(in ECE) at BIT Mesra, Ranchi,2014
8	Sibani Rath	B. Tech ECE	Cognizant Technology Solutions
9	Asim Kumar Das	B. Tech ECE	Asst. System Engineer at TCS, Kolkata (March 2015)
10	Abhilash Mishra	B. Tech ECE	Mtech at IMT, Nagpur (2015)
11	Rahul Ray	B. Tech ECE	Mtech at VSSUT
12	Adarsh Pattanaik	B. Tech ECE	ATSE at Citrix in Kolkata
13	Suvendu Kumar Dash	B. Tech ECE	M.Tech in ECE at C-DAC Pune programme at Vel Tech Dr. RR & Dr. SR Technical University, Chennai
14	Bibhudatta Hotta	B. Tech ECE	Asst. System Engineer at TCS, Maharastra (March 2015)
15	Anurag Satapathy	B. Tech ECE 2011 Batch	PGDM @ IIM, Indore
16	Abhilash Bikash Dash	B. Tech ECE	SEO (Search Engine Optimisation), Junior Executive @ Digitalvillage.in, Bangalore
17	Ankita Hota	B. Tech ECE	
18	Arnab Mohapatra	B. Tech ECE	MBA in systems & Financeat Symbiosis, Pune
19	Manisha Bose	B. Tech ECE	MBA at XIMB, Bhubaneswar
20	Rasmi Ranjan Khansama	MSc CS	M.Tech at University Of Hyderabad(HCU)
21	Sagarika Mishra	M. Tech Comp Sc	Lecturer at Govt. Women's College, Sambalpur
22	Santanu Kumar Patel	B. Tech ECE	Qualified GATE & Placed at APTUS Data Labs
23	Gourav Gohil	MCA	Andriod Developer at MOBMATRIX, Hyderabad.
24	Jyotirmayee Mohapatra	M. Tech, CS	Program Analyst, Cognizant, Chennai
25	Sanketika Mishra(W)	M. Tech, CS	IBM, Customer support
26	Aliva Panda(W)	M. Tech, CS	VSSUT, Guest faculty(Contractual)
27	Amruta Panda(W)	M. Tech ESD	Lecturer at G.M. College, (BScIST)
28	Sanghamitra Tunga Samanta (W)	M. Sc. CS	Wipro
29	Neetu Pradhan (W)	M. Tech. (ESD)	Faculty at SUIIT
30	Sambit Satpathy	M. Tech. (ESD)	Faculty at SUIIT
31	Baroda Biswal	BTech ECE	Pursuing MTech in CDAC Mohali

36. **Diversity of Staff:**

Percentage of faculty who are graduates	
of the same university	2
from other universities within the State	9
from universities from other States	3
from universities outside the country	-

37. **Number of Faculty who were awarded Ph.D., D.Sc. and D. Litt. During the Assessment period:** None

38. **Present details of infrastructural facilities with regard to**
    a) Library: 1207
    b) Internet facilities for staff and students: i) Reliance lease Line (4 MBPS),
                                              ii) BSNL Broad Band
    c) Total number of class rooms: 7
    d) Class rooms with ICT facility: NIL
    e) Students' laboratories: 3
    f) Research laboratories: 1

39. **List of doctoral, post-doctoral students and Research Associates:**
    a) from the host university: 12 (doctoral)
    b) from other universities: 0

40. **Number of post graduate students getting financial assistance from the university: NIL**

41. **Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:** Not Available

42. **Does the department obtain feedback from**

    a. **Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

    Yes, the institue gets students feedback by administrating a questionnaire. The said questionnaire includes questions both on teaching quality and course curriculum.

    b. **Students on Staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

    The institute places the students' feedbacks in its Teachers' Council meeting and makes critical thinking to make up the deficits.

    c. **Alumni and employers on the programmes offered and how does the department utilize the feedback?**
                                  No

43. **List of Distinguished alumni of the Department (Maximum 10)**
                            NA

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

The institute organizes time to time special lectures inviting as value added classes from different NIT& IIT.

45. List the teaching methods adopted by the faculty for different programme.
- ❖ Using PowerPoint
- ❖ Smart Interactive Board
- ❖ Interactive method of teaching

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Time to time teachers' council meeting assess the situation.

47. Highlight the participation of students and faculty in extension activities:

- ❖ Plantation.
- ❖ Blood Donation camp

48. Give details of "beyond syllabus scholarly activities" of the department:

- ❖ Extra Muller lecture by Overseas Scholars
- ❖ One-day Symposium and Workshop by experts

49. State whether the programme/department is accredited/ graded by other agencies? If yes, give details:
No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
No

51. Details any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength:
- ➢ Its research and publications
- ➢ International collaborations
- ➢ Training to the students on soft skills and capacity building
- ➢ Frequent visit of overseas scholars to the Institute.

Weakness:
- ➢ Less number of faculty

Challenge:
- ➢ Provide proper research environment and facilities to young scholars of the Department due to lack of software/ Equipment

52. Future plans of the Department.

The Institute plans to upgrade it status to a National Level Institute. It has good track records both in teaching and research. The only barrier to this objective is less number of faculties.

Publications of SUIIT (2010-15)

2010

Rajasekhara P. Pujari Arun K., (2010): A New Clusterwise Similarity for Partitions Based on Quantitative Disagreement. In: Proceedings of the Seventh Indian Conference on Computer Vision, Graphics and Image Processing, pp. 117-123, ACM, Chennai, India, 2010, ISBN: 978-1-4503-0060-5.

Nayak, Ratha Parida Mohapatra S K ; P K ; S ; B R ; (2010): Mining Sequential Patterns in Bacterial Genomes: A Review. SRIJAN-2010., 2010.

P.K.Ratha Sanjib Nayak, S.S.Satapathy (2010): A novel approach to discover alter GC region in bacterial genome. InCoFIBS-2010), 2010.

Yadav, RA; Mukherjee, V; Kumar, Manoj; Singh, Rashmi (2007): Force field calculations and reassigments of Raman and IR frequencies of pyrazine-N, N?-dioxide. In: Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 66 (4), pp. 964-971, 2007.

2011

Nanda A. Pujari A.K., (2011): Weighted Co-clustering Based Clustering Ensemble. In: Computer Vision, Pattern Recognition, Image Processing and Graphics (NCVPRIPG), 2011 Third National Conference on, pp. 46-49, 2011.

Chaudhary, Manju; Pujari, Arun K (2011): High-Energy-First (HEF) Heuristic for Energy-Efficient Target Coverage Problem. In: CoRR, abs/1103.4769 , 2011.

Mohanty, Rakesh; Sharma, Burle; Tripathy, Sasmita (2011): Characterization of Request Sequences for List Accessing Problem and New Theoretical Results for MTF Algorithm. In: CoRR, abs/1109.2231 , 2011.

Pujari, Shashank (2011): Embedding Soft Processor based USB Device Driver on FPGA,. In: International Journal of Scientific and Engineering Research,, 2 (9), 2011, ISSN: 2229-5518.

Pujari, Shashank (2011): 3-D Camera SoPC Design Architecture. In: International Journal of Scientific & Engineering Research, 2 (11), 2011, ISSN: 2229-5518.

Mukherjee, V; Singh, NP; Yadav, RA (2011): Optimized geometry and vibrational spectra and NBO analysis of solid state 2, 4, 6-tri-fluorobenzoic acid hydrogen bonded dimer. In: Journal of Molecular Structure, 988 (1), pp. 24-34, 2011.

Mukherjee, V; Singh, NP; Yadav, RA (2011): Vibrational fundamentals and natural bond orbitals analysis of some tri-fluorinated benzonitriles in ground state. In: Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 81 (1), pp. 609-619, 2011.

Sethy, P K (2011): Fault diagnosis in Wireless sensor Network using Timed Automata. In: International Journal of Computer Applications, 2011.

2012

Mohanty, Rakesh; Dash, Shiba Prasad; Sharma, Burle; Patel, Sangita (2012): Performance Evaluation of A Proposed Variant of Frequency Count (VFC) List Accessing Algorithm. In: CoRR, abs/1206.6185 , 2012.

Mohanty, Rakesh; Patel, Sangita; Dash, Shiba Prasad; Sharma, Burle (2012): Some Novel Results From Analysis of Move To Front (MTF) List Accessing Algorithm. In: CoRR, abs/1206.6187 , 2012.

Sk. Sarif Hassan Pabitra Pal Choudhury, Antara Sengupta Binayak Sahu Rojalin Mishra Devendra Kumar Yadav Saswatee Panda Dharamveer Pradhan Shrusti Dash Gourav Pradhan (2012): A Quantitative Understanding of Human Sex Chromosomal Genes. In: ArXiv e-prints, 2012.

Mohanty, Rakesh; Pattanaik, Suchismita; Bhoi, Shubhendu Prakash (2012): Simulated annealing based placement algorithms and research challenges: A Survey. In: Journal of Global Research in Computer Science, 3 (6), pp. 33-37, 2012.

Sethy, P K (2012): Interference cancellation in Adaptive filtering through LMS algorithm using TMS320C6713 DSK. In: International Journal for Electronics and Communication Engineering, 5 (2), pp. 113-124, 2012.

Sethy, P K (2012): Noise cancellation in Adaptive filtering through RLS Algorithm using TMS320C6713DSK. In: International Journal of Electronics & Communication Engineering & Technology (IJECET), 3 (1), pp. 154-159, 2012.

2013

Pradhan, Kamal; Gohil, Gaurav (2013): Article: Securing Web Communication using Three Layer Image Shielding. In: IJCA Proceedings on International Conference on Distributed Computing and Internet Technology 2014, ICDCIT-2014 , pp. 8-13, 2013, (Full text available).

Mitra, Chandana ; Pujari, Arun K (2013): Directional Decomposition for Odia Character Recognition. In: Prasath, Rajendra ; Kathirvalavakumar, T (Ed.): Mining Intelligence and Knowledge Exploration, 8284 , pp. 270-278, Springer International Publishing, 2013, ISBN: 978-3-319-03843-8.

Verma, Krutika ; Jadon, Mukesh K; Pujari, Arun K (2013): Clustering Short-Text Using Non-negative Matrix Factorization of Hadamard Product of Similarities. In: Banchs, RafaelE. ; Silvestri, Fabrizio ; Liu, Tie-Yan ; Zhang, Min ; Gao, Sheng ; Lang, Jun (Ed.): Information Retrieval Technology, 8281 , pp. 145-155, Springer Berlin Heidelberg, 2013, ISBN: 978-3-642-45067-9.

Mohanty, Rakesh; Patel, Sangita; Dash, Shiba Prasad; Sharma, Burle (2013): TRANS outperforms MTF for two special types of request sequences without locality of reference. In: CoRR, abs/1309.2476 , 2013.

Pujari, Shashank (2013): A simple closed loop dc motor speed control system on FPGA platform for VHDL beginner. In: International Journal of Scientific & Engineering Research, 4 (3), 2013, ISSN: 2229-5518.

Shashank Pujari Prangyadarshini Behera, Devendra Kumar Yadav (2013): HELIANTHUS - SMART SOLAR PANEL. In: International Journal of Communication Network Security, 2 (1), 2013, ISSN: 2231 - 1882.

Shashank Pujari Amruta Panda, Prangya Paramita Muduli Rasmita Badhai Sofia Nayak Yougajyoty Sahoo (2013): A Learning Model for 8051 Microcontroller Case Study on Closed Loop DC Motor Speed Control. In: International Journal of Emerging Technology and Advanced Engineering, 3 (11), 2013, ISSN: 2250-2459.

Shashank Pujari, Sofia Nayak (2013): A Learning Model for DSP on FPGA Case Study on Real Time Digital Video Filter. In: International Journal for Scientific Research & Development, 1 (9), 2013, ISSN: 2321-0613.

Panda, Madhumita (2013): Security threats at each layer of wireless sensor networks. In: International Journal of Advanced Research in Computer Science and Software Engineering, 3 (11), 2013.

Mukherjee, V; Singh, NP; Yadav, RA (2013): Theoretical DFT study on spectroscopic signature and molecular dynamics of neurotransmitter and effect of hydrogen removal. In: Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 107 , pp. 46-54, 2013.

Das, Madhumita Panda. Kalyan (2013): A novel approach to maximize network life time by reducing the variance of power consumption among nodes in wireless sensor networks.. In: International Journal of Advanced Computational Engineering and Networking, 1 (9), 2013.

2014

Pujari, Arun K; Mitra, Chandana; Mishra, Sagarika (2014): A New Parallel Thinning Algorithm with Stroke Correction for Odia Characters. In: Kumar Kundu, Malay ; Mohapatra, Durga Prasad ; Konar, Amit ; Chakraborty, Aruna (Ed.): Advanced Computing, Networking and Informatics- Volume 1, 27 , pp. 413-419, Springer International Publishing, 2014, ISBN: 978-3-319-07352-1.

Padhi, Trideba ; Kar, Asutosh ; Chandra, Mahesh (2014): Family of adaptive algorithms based on second order Volterra filters for nonlinear acoustic echo cancellation: A technical survey. In: Advances in Computing, Communications and Informatics (ICACCI, 2014 International Conference on, pp. 909-914, 2014.

Pradhan, Kamal ; Bhoi, Chinmaya (2014): Robust Audio Steganography Technique using AES algorithm and MD5 hash.. In: International Journal of Innovative Research in Advanced Engineering (IJIRAE), 1 (10), 2014, ISSN: 2349-2163.

Pujari, Sashank Shekhar ; Muduli, Prangya Paramita ; Panda, Amruta ; Badhai, Rashmita ; Nayak, Sofia ; Sahoo, Yougajyoty (2014): Design & implementation of FIR filters using on-board ADC-DAC & FPGA. In: Information Communication and Embedded Systems (ICICES), 2014 International Conference on, pp. 1-6, 2014.

Dash, P K; Pujari, Shashank ; Nayak, Sofia (2014): Implementation of edge detection using FPGA & model based approach. In: Information Communication and Embedded Systems (ICICES), 2014 International Conference on, pp. 1-6, 2014.

Dash, P K; Pujari, S S; Sahoo, Y (2014): Design and implementation of single order LMS based adaptive system identification on altera based cyclone II FPGA. In: Communications and Signal Processing (ICCSP), 2014 International Conference on, pp. 1605-1609, 2014.

Panda, Madhumita (2014): Security in Wireless Sensor Networks using Cryptographic Techniques. In: American Journal of Engineering Research (AJER), 3 , pp. 50-56, 2014.

Panda, Madhumita; Sethy, Prabira Kumar (2014): Network structure based protocols for Wireless Sensor Networks. In: Advances in Engineering and Technology Research (ICAETR), 2014 International Conference on, pp. 1-10, IEEE 2014.

Sethy, Prabir Kumar; Pradhan, Kamal; Panda, Madhumita (2014): Dense Wavelength Division Multiplexing (DWDM): A Review. In: International Journal of Innovative Research in Advanced Engineering (IJIRAE), 2014.

Mukherjee, V; Singh, NP (2014): Theoretical vibrational spectra and thermodynamics of organic semiconductive tetrathiafulvalene and its cation radical. In: Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 117 , pp. 315-322, 2014.

Mukherjee, V (2014): Molecular modeling, spectroscopic signature and NBO analysis of some building blocks of organic conductors. In: Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 132 , pp. 102-109, 2014.

Sinha, Mitali; Pattanaik, Suchismita; Mohanty, Rakesh; Tripathy, Prachi (2014): Experimental Study of A Novel Variant of Fiduccia Mattheyses (FM) Partitioning Algorithm. In: arXiv preprint arXiv:1403.0224, 2014.

2015

Mohapatra, Arnab; Sethy, Prabira Kumar (2015): Use of PAPR Control and Sub-sliding Windowing Techniques in the improvement of the Bit Error Rate in IFFT-FFT and IDWT-DWT Based OFDM Systems. In: International Journal of Scientific & Engineering Research, 6 (5), 2015, ISSN: ISSN 2229-5518.

Panda, Madhumita; Nag, Atul (2015): Plain Text Encryption Using AES, DES and SALSA20 by Java Based Bouncy Castle API on Windows and Linux. In: Advances in Computing and Communication Engineering (ICACCE), 2015 Second International Conference on, pp. 541-548, 2015.

Panda, Madhumita (2015): Data security in wireless sensor networks via AES algorithm. In: Intelligent Systems and Control (ISCO), 2015 IEEE 9th International Conference on, pp. 1-5, IEEE 2015.

Panda, Madhumita; Nag, Atul (2015): Plain Text Encryption Using AES, DES and SALSA20 by Java Based Bouncy Castle API on Windows and Linux. In: Advances in Computing and Communication Engineering (ICACCE), 2015 Second International Conference on, pp. 541-548, IEEE 2015.

Behera, Ashis; Panda, Madhumita (2015): Data Aggregation Using Dynamic Tree with Minimum Deformations. In: Computational Intelligence in Data Mining-Volume 1, pp. 175-186, Springer, 2015.

Das, Kalyan; Malik, Deepak Kumar; Sahoo, Shunasepha; Padhi, Jagamohan (2015): Increased Network Life Time Algorithm in Wireless Sensor Networks. In: International Journal of Innovative Research in Advanced Engineering (IJIRAE), 2 (3), pp. 14-17, 2015.

Satpathy, Prativa; Das, Kalyan; Padhi, Jagamohan (2015): Improved Rejection Penalty Algorithm with Multiprocessor Rejection Technique. In: International Journal of Electrical and Computer Engineering (IJECE), 5 (3), 2015.

Snapshots of The SUIIT

Inauguration of SUIIT by Hon'ble Chief Minister

Foundation stone for Hostel Laid down by Hon'ble Governor

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