



**ANNUAL REPORT
2013-2014**

NATIONAL INSTITUTE OF TECHNOLOGY SIKKIM



**ANNUAL REPORT
2013-2014**

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I. Vision

India has the capability and the responsibility to offer the World Science & Technology essentially with sustainability, through philosophy, conscience and value system. NIT Sikkim will play its role.

II. Mission

To develop the students as 'Thinking Engineers' by nurturing them in attaining and enjoying the technical and scientific excellence, global exposure and at the same time in beholding the philosophy and the values for India and the world as a whole.

III. Goals

- Help the engineering professionals recognize the quality and significance of their teaching, research, scholarship, service, outreach and leadership.
- Enhance the commitment of faculty, staff and students to the centrality of diversity, social justice and democratic citizenship.
- Provide leadership in the collaborative, professional relationships with schools, organizations and other institutions focused on the improvement of educations in school.
- Enhance the effective and efficient management of the institute.
- Sustain the caring, supportive climate throughout the institute.
- To evolve a system and to create an environment in which the students can realize their potential and their responsibilities to earn create, implement and disseminate knowledge for improvement of human life with natural and social sustainability.

IV. Academics

The Institute follows the 2010 curriculum and syllabuses of NIT Calicut, which was the mentor institute. NIT Sikkim (NITSKM) offers technical education based on the state of the art curriculum. All the Undergraduate programmes have been designed in line with the IIT System, giving appropriate weights for the theory and practice; however, the institute does feel the requirement of revision of the syllabus and is working in the direction accordingly.

V. Historical Background

National Institute of Technology Sikkim (NITSKM) is one among the ten newly sanctioned NIT(s) by the Government of India in 2009 under the Eleventh Five Year Plan. It is established in the temporary campus in the Barfung Block, Ravangala Subdivision of South Sikkim.

VI. Location

Presently, the institute is located in a temporary campus in the Kewzing Road at Ravangla, Barfung Block in South Sikkim, and covers an area of about three acres.

The New Jalpaiguri Railway Station and Bagdogra Airport are respectively 113 and 106 km away from the Campus.

VII. Campus

The Infrastructural Facilities in the Temporary Campus include

- i. The main campus of NIT Sikkim has been sanctioned and is to come up on an approximate area of three hundred acres of land in Khamdong, east Sikkim. It is a built up location in terms of conveyance and means of communication. To add to the promising academic environment of NIT Sikkim, it will be located within a stone's throw from the Kendriya Vidyalaya, NHPC stage V Singtam. Perhaps the best Kendriya Vidyalaya in Sikkim.
- ii. The present campus of NIT Sikkim at Ravangla, although temporary in nature, is also housed within a plethora of conveniences and an abundance of natural amenities. Just like the proposed Khamdong campus, it is located astern to the Jawahar Navodaya Vidyalaya



Campus - NIT Sikkim



1st Batch of NIT Sikkim

Ravangla campus. The State Bank of India Ravangla branch, post office with speed post facility, and an army hospital are located within 2.5 kms from the institute campus. There is also a health centre situated in Ravangla.

- iii. Sixteen three-storied blocks, each with six 2-bedroom apartments, totalling to 96 apartments in the campus. These are utilized as boy's hostels, girl's hostels, faculty apartments and staff apartments. Each apartment has been furnished with cots, tables and chairs.
- iv. One Academic Building: the rooms in this building are utilised as class rooms (three nos.), two computer rooms, and three faculty rooms. Necessary benches & desks, tables, chairs and almirahs have been purchased after the appointment of the director in 2011.
- v. One proposed Administrative Building with 7 rooms, completed by the initiative taken by the FIDA, and is functional at present. Apart from three rooms being used for administrative operations, the building houses one furnished meeting room for faculty / administrative / Directorial meetings, a store-room for academic documents, a chamber for the Director of the institute and the necessary sanitary facilities. All rooms are well-furnished with the required furniture.
- vi. A common play ground is also available and used by students for certain outdoor games.
- vii. Nearly 2-3 acres of land just surrounding these buildings have been fenced. The road connectivity to the temporary campus is good. Three vehicles are being run for official and medical purposes to and from the campus since the joining of the Director in 2011.

VIII. Medical Facilities

Arrangements have been made such that the staff and students of NIT Sikkim can be provided with the medical facilities. A doctor from the nearby government hospital at Ravangla visits the campus on every Sunday. Also, specialist medical practitioners visit the campus from time to time. A regular stock of medicines prescribed by the said medical practitioners are regularly maintained on campus, monitored and regulated by a designated and nominated group of faculty.

For the present academic session some initiatives have been taken which includes:

- (a) A medical unit was established inside the campus. A doctor visits every Sunday.
- (b) A vehicle was hired for medical purpose.
- (c) All the students were insured under Uni Study Care Policy of M/s United India Insurance Co. Some students have already received its benefits.

(more details: http://nitsikkim.ac.in/students/medical_facility.php):

IX. Hostels & Students' Accommodation:

- i. Hostel – A new hostel outside the campus with a capacity to accommodate 70 students (BH-10) was hired for 1st year (2013) batch students. (July, 2013).
- ii. Emergency power back-up: Emergency power back-up lines were provided in the hostel rooms. (More details may be collected from FIPECI).
- iii. Gymnasium: An initiative was taken for establishment of Gymnasium. The tender was floated.

X. Sports:

- (a) Many sports events were organised, viz. Explode cricket cup, various intra-NIT Sikkim indoor tournaments in Chess, Badminton, Football, Computer games, etc. were organised.
- (b) Students participated in Inter-NIT Sports meets in NIT Trichy and NIT Surathkhal.
- (c) Sports gears were purchased to improve sports facilities.

XI. Students Mess:

Equipments were bought for mechanisation of students' mess to provide more hygienic food. Overall infrastructure was improved.

XII. Scholarships:

Being an Institute of National Importance, NIT Sikkim students were awarded 12 scholarships per batch per year under "Top Class Education for SC students" from Ministry of Social Justice & Empowerment and 5 scholarships per batch per year under "Top Class Education for ST students" from Ministry of Tribal Affairs. Many students belonging to Other Backward Classes (OBC) receive scholarships from respective States. Students belonging to Minority communities receive scholarships from Ministry of Minority Affairs (MOMA). Students also receive scholarships from some other funding agencies like Foundation for Academic Excellence and Access (FAEA).

XIII. Essential construction activities:

The land at Khamdong for the proposed permanent campus of NIT Sikkim, was to be handed over to the institution authorities by March 2012. However it has not yet been received physically. Hence, for the sake of boosting teaching and research, the institute had to go for some essential construction projects at the Ravangla campus itself. Details of the same are as follows:

- i. Renovation of existing residential and non residential buildings. mostly damaged by Earthquake at Ravangla campus is completed.
- ii. Repair and renovation of Community Center (Multi purpose hall fully damaged by Earthquake at Ravangla campus is completed.
- iii. Repair of Earthquake damage and renovation of some existing structure for developing laboratories for Physics, Chemistry, Electronics and Electrical Lab at Ravangla campus is almost completed.
- iv. Repair of Earthquake damage and Renovation Admin Building with construction with little extension, wall paneling at Ravangla campus;
- v. Construction of tubular truss with precoated galvanised sheet roofing at Academic Block courtyard at Ravangla Campus;
- vi. Erecting S/H: Shed on outer passage to the laboratory block by tubular truss with polycarbonate sheet roofing & interlocking pavertiles on passage.
- vii. Fixing chain link fencing surrounding of play ground for at Ravangla campus;
- viii. False ceiling, acoustic wall panelling, wooden flooring etc. for the multipurpose hall at Ravangla campus, enhancing its durability and cold resistance within;
- ix. Construction of Front Gate & Guard Room at Ravangla campus
- x. Construction of Prefab struc. Hostel and earth work for leveling for making play ground at Ravangla Campus.
- xi. Tender works for generator for inhouse power supply is initiated
- xii. Tender for wifi if the entire Rabangla campus id initiated
- xiii. As soon as the land at Khamdong will be handed over , construction of boundary walls and gate will begin.

XIV. Status of Land for permanent campus

Although the land was allotted at Khamdong following an official inspection on 24th August 2011, the land has not yet been handed over. As a result it is presenting the Institute's administration and faculty with extreme difficulties in maintaining the standard of education. Several requests have been sent to the state Government, but with no response. Despite the fact that the institute is being run, the situation poses a great threat to the maintenance of the land and the development of the Institute.



I. ACADEMIC FACTS AND FIGURES

a. Courses Currently Offered

- B. Tech. in Computer Science and Engineering
- B. Tech. in Electronics and Communication Engineering
- B. Tech. in Electrical and Electronics Engineering
- B.Tech in Civil Engineering

b. Statement showing the student position at NIT-SKM

i) Student statistics during 2013-14

S.No.	Particulars	Number of students' in position						
		SC	ST	OBC	Minority	General	Others	Total
(i)	Boys							
	UG	10	06	23		22		61
(ii)	Girls							
	UG	01	00	01		04		06
	TOTAL							67

II. ADMINISTRATIVE COMMITTEES

The foremost attempt initiated by the Director who joined 2011 was to compose statutory bodies to provide effective guidance and procedural functioning of the institute.

Composition of various statutory bodies

The Institute is governed and run by different statutory bodies.

BoG (Board of Governors)

S.No.	Address of Office	Name and Designation
1	Chairman	Dr. R.K. Sinha , Chairman, BOG
2	Director	Prof. A.B. Samaddar NIT Sikkim, Ravangla Campus
3	Additional Secretary, MHRD, GOI	Mrs. Amita Sharma , Member Additional Secretary, Department of Higher Education, Ministry of Human Resource Development, Government of India, Shastri Bhawan, New Delhi- 110001 Mr. Raju Srinivasana , Director, MHRD
4	Financial Adviser, MHRD, GOI	Mr. Yogendra Tripathi , Financial Adviser, Ministry of Human Resource Development, Shastri Bhawan, New Delhi-110001 Mr. Novin Soi , Director, MHRD
5	State nominee -1, member	Mr. Thomas Chandy , Principal, Secretary, HRDD Govt. Of Sikkim, Gangtok 737102 Mr. Nambiar , PA to Principal Secretary
6	State nominee -2, member	Mr. D K Pradhan , Director Technical Education, HRDD, Govt. Of Sikkim, Gangtok 737102
7	Director IIT Guwahati or his representative, Member	Prof. S.K. Bose Dean, Alumni Affairs & External Relations IIT Guwahati, Assam 781039
8	MHRD nominee-1, Member	Mr. Ramesh Sharma , CMD, Moving Picture Co. India Ltd. RZA-17A, Road No. 2, 2nd Floor, Mahipalpur Extension, New Delhi
9	One Prof.	Board nominee-1
10	One asst. Prof.	One Nominee board
11	MHRD Nominee-2, Member	Ms Swarupa Rani , 196 Classic Orchards, Bannerghatta Road, Bangalore
12	Registrar, Secretary	
	The Senate	(being constituted)
	The FC: Finance Committee	(being constituted)

The BWC (Building works committee, headed by director) – work was taken care of with the senior officials from electrical and civil engineering departments of the State CPWD because there was not much of civil construction possible due to non-availability of permanent campus. The constitution of a formal committee is under process.

Committees and respective faculty in-charge for the smooth functioning of the Institute

- | | | |
|--------|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| (i) | Academic Affairs Committee (AAC) | Mr. Subrata Karmakar (FIAA)
(Faculty In-charge)
Dept. of Computer Science and Engineering
NIT, Sikkim |
| (ii) | Developmental Affairs Committee (DAC) | Mr. Sarfaraj Alam Ansari (FIDA)
(Faculty In-charge)
Dept. of Computer Science and Engineering
NIT, Sikkim |
| (iii) | Research & Consultancy Activities Committee (RCAC) | Dr. Sumit Saha (FIRCA)
(Faculty In-charge)
Dept. of Basic Sciences and Humanities
(Chemistry), NIT, Sikkim |
| (iii) | Knowledge, Information and Learning Enablement Committee (KILEC) | Dr. Sumit Saha (FIKILE)
(Faculty In-charge)
Dept. of Basic Sciences and Humanities
(Chemistry) NIT, Sikkim |
| (iv) | Training and Placement Activities Committee (TPAC) | Ms. Gopa Bhaumik (FITPA)
(Faculty In-charge)
Dept. of Computer Science and Engineering
NIT, Sikkim |
| (v) | Power and Energy Conservation Initiative Committee (PECIC) | Mr Subrata Karmakar (Faculty In-charge)
Dept. of Computer Science
NIT, Sikkim |
| (vi) | Community Service and Awareness Committee (CSAC) | Dr. Taraknath Kundu (FICSA)
(Faculty In-charge)
Dept. of Basic Science and Humanities
(Chemistry) NIT, Sikkim |
| (vii) | Computing and Communication Enhancement Committee (CCEC) | Mr. Pankaj Kumar Keserwani (FICCE)
(Faculty In-charge)
Dept. of Computer Science and Engineering
NIT, Sikkim |
| (viii) | Students Affairs Committee (SAC) | Dr. T Kundu (FISA)
Dept. of Basic Sciences and Humanities
(Chemistry), NIT, Sikkim |
| (ix) | Landscaping, Gardening and Environmental Protection Committee (LGEPC) | Dr. M Nurujjaman (FILGEP)
Dept. of Basic Sciences and Humanities
(Physics), NIT, Sikkim |
| (x) | Report and Publication Activities Committee (RPAC) | Dr. Dhananjay Tripathi (FIRAP)
Dept. of Basic Sciences and Humanities
(English), NIT, Sikkim |

LIST OF FACULTIES & NON-TEACHING STAFF

Faculty list for 2012-2013 academic year

Department	Faculty
Computer Science and Engineering	1 Prof. A. B. Samaddar 2 Mr. Sarafaraj Alam Ansari 3 Mr. Pankaj Kumar Keserwani 4 Mrs. Gopa Bhaumik 5 Mr. Tarun Biswas 6 Mr. B. Balaji Naik 7 Dr. (Mrs.) Shefalika Samaddar (Guest faculty)
Electronics and Communication Engineering	1 Mr. Ajay Mahato 2 Dr. Kaustav Bhomik 3 Mr. Surjit Kundu 4 Miss. Reshmi Dhara 5 Miss. Jaysree Roy 6 Mr. Hemant Kathania
Electrical and Electronics Engineering	1 Mr. Ashish RanjanRaut 2 Mr. Subrata Karmakar 3 Mr. Santanu Paul 4 Mr. S. Sankar
Mechanical Engineering	1 Mr. Shambhunath Barman 2 Dr. Partha Dey
Basic Sciences - Physics	1 Dr. Md. Nurujjaman 2 Dr. Prasad Basu
Basic Sciences - Mathematics	1 Dr. Ravi Srivastava 2 Dr. Om Prakash
Basic Sciences - Chemistry	1 Dr. Sumit Saha 2 Dr. Taraknath Kundu
Basic Sciences - Humanities	1 Dr. Dhananjay Tripathi 2. Dr. HariKant Chaudhary (Guest Faculty)
Basic Sciences - Civil Engineering Department	1. Mr. Samyajit Basu 2. Mr. D. Vikram

NON-TEACHING STAFF LIST FOR 2013-2014

S.No.	Staff name	Post
1	Mr. Swapan Manna	Librarian
2	Mr.Tapan Chhetri	Assistant Secretary
3	Mr.Bharat Pradhan	Office assistant
4.	Mr. Kali Das Tiwari	OSD
5.	Mr. Animesh Singh	Account Assistant

IV. ADOPTION OF LOGO

The logo of National Institute of Technology Sikkim has designed and is given on the front page of this report. It has the picture that includes number one and zero symbolizing basic units of computer science. The picture includes a bridge, a token for civil engineering, antenna for Electrical and Electronics Engineering. The logo is shown below:



The picture also includes DNA structure giving the sense that the institute provides ample scope for the growth of bio-technology. The river and pine tree in the picture symbolises the flora and fauna of the state of Sikkim. The flame (Deepak) and rising sun is the picturesque description of the institute's punch line, 'Charaiveti'— a Vedic sentence, meaning constantly rising. The two birds flying high are metaphor for grown - up technocrats who are prepared and free to move away to spread the light of wisdom; the circle is not closed rather opened at the top of right hand side to give the idea that the institute believes in giving freedom to explore the horizons of technology to its students and associates.

The design has been accepted in principle at BOG. However, correspondence is going on with the industrial design centre IIT-B for simplifying this and better art-implementation.

V. LAUNCHING OF WEBSITE

The NIT SIKKIM website was launched under the domain name www.nitsikkim.ac.in in the month of July 2011. The website is further improved. The current home page is designed as follows (the two views show the dynamically altering picture in the central display):



The administrative head of the website is Director. FICCI looks into the website. Students and staff equally participate. The technical head is Mr. Sarfaraj Alam Ansari (taken up later by Mr. Pankaj Kesarwani). The final responsibility of the contents on the website is on the administrative head; however, the changes and updates are the subject to the approval of the technical head.

An initiative is taken to constitute of team of senior students of the institute and train them to design and maintain the website and other domains of the institute. The team will be known as Web Development Cell of NIT Sikkim which will be headed and advised by faculty members and students will work to develop and maintain the same.

VI. CENTRAL LIBRARY & BOOKS/REFERENCES/JOURNALS

The central library of NIT Sikkim is designated as Knowledge and Information Centre. Presently the centre is headed by Mr. Swapan Manna and looked after by FIKILE. The centre has procured great number books and journals.

The Central Library supports the teaching and research programmes of the Institute and provides facilities for general reading and disseminates information according to the requirement of the users. It is housed in a separate building. The open access system is observed in the library. It has text books, reference books, encyclopaedias, dictionaries, Videos, CDs/DVDs, Local and National newspapers, e-books, and institutional publications. Library reading room is open from 10am to 8pm every day. Xerox and Printing facilities are available for users. Wi-Fi connections are recent additions to the library. Library is implementing Library Automation Software with barcode facility, E-book reader, NPTEL video course, online databases and e-journals shortly.

Collections	Text Books	3704
	Reference Books	692
	Newspapers	8 National / Regional
	Hard Copy Journals	47
	Kindle e-book Reader/Tablet	4
	Online Resources	Science Direct, IEEE, SciFinder

Library Time table for Books Issue/Return

	Mon-Fri	Saturday	Sunday
First session	10:00am-1:00pm		
Second session	2:00 pm-4:30pm	2:30-4:30 pm	
Third session	5:30pm-8:00pm	7:00-8.00pm	6:30pm-8:00 pm

Library Reading Room – 10am to 8pm

New initiative taken in your Department/committee

1. Open Racks for Books -- Received and installed
2. DELNET Membership
3. More number of books issued per student - started now 4 books per students. earlier its 3 books per students.

Projects that were initiated last year and completed successfully

DELNET Membership -- started this year

Participation/presentation/publications of students/faculty members of your department in national / international seminars/workshops/conferences

Developmental activities initiated/completed in your Department/ committee/purview

More space/building for KIC -- Initial approval from competent authority(Director) has received.

Projects granted to your Department/committee/purview

Man Power/ staff/ faculty etc enhanced or reduce in your department/ committee

One staff as Library Assistant joint

Book/Magazine Subscriptions in the library.

VII. Information Communication Technology (ICT)

Highly encouraged academic activities supported by Information Communication Technology (ICT) at National Institute of Technology Sikkim are given as:

E-CLASSROOM

- *Students' Presentation for course related activities:*

Students are making presentations related to course for advanced and general topics with information search.

- *Faculties' presentations for course teaching:*

Faculties are teaching with slides and/or explaining with audio visual materials.

- *Research seminars by faculties:*

Faculties present seminars related to their research interests

- *Students' presentation for different society related activities:*

Students are participating in their societal activities and searching materials in the form of power point presentations (PPT), Portable Data File (PDF), Texts, Audios and Videos etc. to fulfil the purpose.

- *Smart presentations using pen tablet, overhead projectors, speakers etc:*

Modifications or illustration during presentation is captured in the computer with the help of pen tablet for future reference to make interactive presentations.

E-RESULTS PUBLICATION

- *Marks and results publication related ERP software:*

We are in the process of implementing the same. At present these are performed through websites as a part of ICT

E-COMMUNITY ACTIVITIES

- *Community development activities with portable projectors:*

We are in the process of implementing the same. We need to develop contents for the same.

- *Summer science and technology camp for high school students:*

This is also in planning phase. We are trying to get some funding from governmental agencies

SUPERCOMPUTER

One supercomputer / High-Super performance computer is being installed which is funded by the Ministry of Information and Communication Technology, through CDAC for:

- Training and orientation in HPC (High Performance computing) in North-East India.
- Research projects.

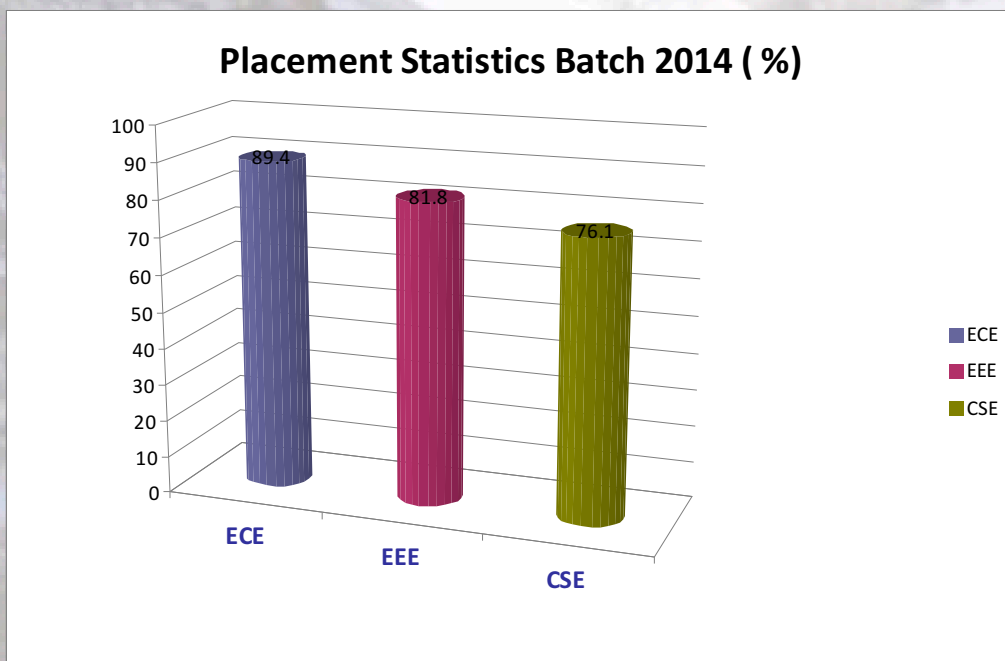
- **Future expansion of ICT activities being planned**

- o Academic ICT softwares like moodle etc. can be used for interacting with the students.
- o Students and faculties can view NPTEL lectures in a smart classroom connected with Internet.
- o Class Lectures can be recorded and can be shared for academic purposes.
- o Video conferencing capability over internet can be facilitated in the campus.
- o Access to National Knowledge Network is planned
- o Unlimited access for IEEE and other Journals with high impacts factors can be arranged.
- o E-recruitment can be implemented for Faculty and office staff recruitment at NIT Sikkim
- o E-tender management
- o E-office management related ERP tools can be used
- o E-accounting can be implemented with softwares like Tally

First Batch of NIT Sikkim:

The first batch of CSE, ECE and EEE students will be passing out in June 2014. The Training and Placement Cell of the institute has got most of the students placed in many renowned firms before the final end term examination. The placement statistics of the first batch is given below:

Department	IBM	Yodlee Info Tech	Polaris FT	Infosys	Resonance Ed.	Niles Stream Info	TCS	ADCC	Tally LAB	Verizone	Tech Mahindra	Magneti Marellie	Dristi Soft.	Total placed	%
EEE (22)	1	0	0	2	0	14	0	1	0	0	0	0	0	18	81.8
ECE (21)	2	0	0	1	1	10	1	1	1	0	0	0	0	17	89.4
CSE (21)	2	1	2	1	0	10	0	0	0	0	0	0	0	16	76.1



The esteemed recruiters are:

- IBM India Private Limited
- Yodlee Info Tech Pvt. Ltd.
- Polaris Financial Technology Ltd.
- Resonance Eduventures Pvt. Ltd.
- Tech Mahindra
- Nile Stream Info Technologies Private Limited
- Verizon Data Services India Private Limited
- Tata Consultancy Services
- ADCC
- Magneti Marelli
- Dristi Software
- Xerox Litigation Services

Challenges

The internet connection is very slow and also prone to connectivity interruptions. This issue must be addressed by the concerned authorities immediately.



VIII. VARIOUS EVENTS & DEVELOPMENTS

1. Anurvat – Pictures top Left.
2. Community service drive by NIT SIKKIM faculty, students and local school students-Picture top right.
3. Faculty and staff Picnic at Khamdong- Picture middle left
4. Faculty and staff picnic at Khamdong- Picture Middle Right
5. Students performing at cultural fest at NIT SIKKIM Campus at Ravangla-Picture bottom left
6. Students performing at cultural fest at NIT SIKKIM Campus at Ravangla-Picture bottom right



7. Flag hosting by NIT SIKKIM Director Prof Dr A B Samaddar at Ravangla campus-Picture Left
8. Students performing at cultural fest at NIT SIKKIM Campus at Ravangla- picture top Right
9. Students Republic Day Celebration at NIT SIKKIM-picture middle right
10. Students Independent Day Celebration at NIT SIKKIM- picture bottom right



X. Research and Academic affiliations

PUBLICATIONS

By Prof. Dr. Arun B. Samaddar (some notable publications):

1. Barik, R.K. and Samaddar, Arun B., 2013, SOA based SDI Model for Education Sector in India, International Conference on Frontiers of Intelligent Computing: Theory and applications (FICTA-2013), LNCS, Springer. (Accepted).

By Dr. T. Kundu

Paper published in International peer-reviewed journal:

“An efficient, general synthesis of 2-substituted 3,6-dihydropyrrolo[3,2-e]indoles involving one-pot Sonogashira coupling and cyclisation”- M. Rakshit, TaraknathKundu, G. K. Kar* and M. Chakrabarty *Monatsh Chem.* 144 (05), pp 717 – 724 (2013) (DOI 10.1007 / s00706-012-0859-5)(Print Edition ISSN: 0026-9247; Online Edition ISSN: 1434-4475; Impact Factor: 1.532).

Poster presented in National Symposium:

“Electrophile-Induced C–C Bond Activation of Vinylcyclopropanes: Syntheses of Z-Alkylidenetetrahydrofurans, and OxepinAnalogues by Ring Expansion through α -Ferrier Rearrangement in Carbohydrates” – TaraknathKundu, V. Ganesh and S. Chandrasekaran* - National Symposium on Sustainable Chemistry: Frontiers and Challenges (SCFC – 2014) held at North Eastern Hill University, Shillong, Meghalaya, India during 27th February – 01st March, 2014.

By Dr. P. Basu

1. Title: **The relativistic equation of state in accretion and wind flows**
Author: Prasad Basu and Soumen Mondal,
Journal: *New Astronomy*, Volume 26, p. 33-39, 2014
Origin: ELSEVIER
Accepted: 24/04/2013
Available online: 18/05/2013
Bibliographic Code: *New Astronomy*, Volume 26, p. 33-39, 2014
2. Title: **A new model of relativistic equation of state in accretion and wind flows using 4-velocity distribution function**
Author: Prasad Basu and Soumen Mondal
Journal: *Astronomical Society of India Conference Series*
Origin: *The Bulletin of the Astronomical Society of India*
Bibliographic Code: *Astronomical Society of India Conference Series*, Vol. 8, p.123-126
Publication Date: November 2013
4. Title: **On the possibilities of shocks in accretion and wind flows**
Author: Soumen Mondal and Prasad Basu
Journal: *Astronomical Society of India Conference Series*
Origin: *The Bulletin of the Astronomical Society of India*
Bibliographic Code: *Astronomical Society of India Conference Series*, Vol. 8
Publication Date: November 2013

By Dr. Dhananjay Tripathi

Book

1. Tripathi, Dhananjay. R.K. Narayan : Phenomenology and Consciousness. Germany: Scholars' Press, Oct. 2013. (ISBN 9783639518719)

Chapters in Book

1. Tripathi, Dhananjay. "Reflection of the Third Space in the Novels of R.K. Narayan. A Critical Study of the Fictional World of R.K. Narayan, ed. Aman Rana. New Delhi, Atalantic Books, 2013. Print. Pp 102-197. (ISBN 9788126918072)
2. Tripathi, Dhananjay. Richa Mishra. "Reflection of Social Changes and Literary Tastes in Cinematic Appropriation of Sharat Chandr's Devdas in Bollywood". Literature and Cinema : Appropriation, Adaptation, Adultration, Eds. Sri Krishan Rai & Anugamini Rai. Germany : Lambert Publication House, 2014. (ISBN 9783848426034)
3. Tripathi, Dhananjay and Richa Mishra. "Contemporarising, De-constructing and De-contextualising the Myth in Yayati and Yuganta Research Scholar an International Refereed e-Journal, Vol. 1, Issue-3, August 2013. (ISSN 23206101)

