

ANNUAL ACTION TAKEN REPORT OF IQAC 2018-19



Shimurali Sachinandan College of Education
Shimurali, Nadia – 741248

IQAC ANNUAL REPORT 2017-18

During the academic year 2018-19, the IQAC of Shimurali Sachinandan College of Education included the following members. The IQAC was chaired by Dr. Ahana Chakraborty, Principal, with Dr. Sambhu Nath Halder as Coordinator-Member Secretary.

I Head of the Institution

- | | |
|-------------------------------------|-------------|
| 1. Dr. Ahana Chakraborty, Principal | Chairperson |
|-------------------------------------|-------------|

II Senior Administrative Officers

- | | |
|---|--------|
| 1. Sri Prabir Chattopadhyay, Head Clerk | Member |
| 2. Jakir Hossain Mondal, Accountant | Member |

III Teaching Staff

- | | |
|----------------------------|--------|
| 1. Dr. Sarmila Das | Member |
| 2. Trishna Goswami (Kundu) | Member |
| 3. Sri Tirtha Pratim Mal | Member |
| 4. Camellia Yasmin | Member |
| 5. Dr. Santanu Sen | Member |
| 6. Smt. Anindita Bachhar | Member |

IV Nominees

- | | |
|---|--------|
| 1. Sri Tibrajyoti Das, Government Nominee & President, G.B. | Member |
| 2. Sri Haraprosad Halder, Savapati, Chakdaha Panchayat Samiti | Member |
| 3. Sri Soumen Neogi, Students' Representative | Member |

Director

- | | |
|---------------------------|-------------|
| 1. Dr. Sambhu Nath Halder | Coordinator |
|---------------------------|-------------|

INITIATIVE - 1: Faculty Database Update

By developing a structure for data gathering, the IQAC launched the development of the database. After entering the relevant data received from the Administrative Staff, the format (in an MS-Excel file) was provided to the Faculty Members. Individual Faculty Member validated the data and completed the forms. The Principal now has access to the database. On request, it has also been forwarded to other members of the Administrative Staff.



INITIATIVE - 2: Webpage Updation

The IQAC has a website that describes the committee, meeting minutes, Annual Quality Assurance Reports, and other activities. The webpage now includes various reports, Mandatory Disclosures, and other relevant documents and information. A subpage with all of the information that has been uploaded for the relevant authorities is also available. The website satisfies all legal requirements imposed by NCTE, MHRD, UGC, and the West Bengal government, including affiliating university.

INITIATIVE - 3: Data Consolidation and Evaluation

The IQAC has initiated by streamlining and bolstering efforts towards efficient documentation and simple data retrieval through a system of digitalization, the College can keep track of curricular and extracurricular activities, the operation of different school subjects, committees, cells, and statutory bodies. Creating a more efficient system to analyze the data use by keeping track of all activities of statutory bodies, academic disciplines, and cells, carefully examining their reports, and uploading them to Google Drive and an external hard drive.

INITIATIVE - 4: Talent Hunt

A "Talent Hunt" activity was hosted at the institution, during which the campus was made available to the students so they could show off their skills in both co-curricular and academic pursuits. The purpose of this event was to promote the college's community outreach programme as well as the benefits of creating diverse teams for academic and cultural outputs. The goal of IQAC's initiative to examine students' extracurricular activities and highlight their excellence has been greatly successful.

INITIATIVE - 5: Feedback

IQAC consolidated the student feedback and presented it to a sub-committee formed specifically for this purpose for analysis. Individual feedback forms were given to the Teachers' Council for discussion and the implementation of remedial steps to improve teaching and learning quality.



INITIATIVE - 6: Data Submission

According to the guidelines, the college actively participated in the All India Higher Education Survey (AISHE) and submitted all essential data in the appropriate format with supporting documents.

INITIATIVE - 7: Revised Accreditation Framework of NAAC

Initiated the data preparation procedures for the second cycle of NAAC accreditation. As part of this, a one-day session on Revised Accreditation Framework of NAAC was held on April 25, 2019 at Multipurpose Hall of the college for all academic and staff members.

INITIATIVE - 8: CCTV Surveillance

The college has successfully installed CCTV cameras around campus, as planned by the IQAC the previous year, to enable effective surveillance of internal and external activities, as well as rigorous college security. Two monitoring systems have been deployed, from which frequent observation is conducted.

INITIATIVE - 9: Local Area Network

The institution acquired a server and successfully established a single networking architecture throughout campus to enhance Local Area Network access and data sharing to nodal systems and output devices. The IQAC determined in the previous year, and successfully accomplished this procedure in the current year, in which all collection of devices connected together within the college campus and also connected Internet.

INITIATIVE - 10: Free WiFi Zone

The college has successfully made the campus a completely free WiFi zone, and the required equipment has been installed throughout the campus to accomplish this purpose. The IQAC made the decision in the previous year and successfully implemented a free Wi-Fi zone in the current year, using this wireless networking technology that allows devices such as computers (laptops and desktops), mobile devices (smart phones



and wearables), and other equipment (printers and video cameras) to connect to the Internet. The free wifi allows students and teachers to connect to the rest of the world, which is very important for them to access digital information and complete their assignments.

INITIATIVE - 11: Implementation of Digital Library in the Library

According to IQAC's previous year's strategy, the institution successfully implemented an Institutional Digital Repository with DSpace Digital Library Software. DSpace is a software package that is commonly used to create digital content access repositories for scholarly and/or published work. While certain features of DSpace overlap with those of content management systems and document management systems, the DSpace repository software fills a distinct requirement as a digital archives system, focusing on long-term storage access and preservation of digital content.

DSpace has been installed and configured on an Ubuntu Linux-based server for an unlimited number of users. The technical specifications for Digital Library implementation are listed below.

Technical Specification:

Sl. No.	Description (DSpace)	Compiled Yes/No
1.	DSpace Runs on Ubuntu (14.04)	Yes
2.	Apache Maven 2.2.x/later, Apache Ant 1.8/later, relational, servlet engine (Apache Tomcat 5.5/later)	Yes
3.	Built in search Engine for Full text Search	Yes
4.	Supports file type Txt, Doc, PDF, Jpeg, Mpeg, Tiff	Yes
5.	Metadata	Yes
6.	Import/Export, Batch Metadata editing, object backup and restoration tools	Yes
7.	LDAP supports	Yes
8.	Database – DB PostgreSQL 8.2/later, Oracle 10g/later	Yes
9.	Language Support (Over 20 language)	Yes
10.	RSS feed, News etc.	Yes
11.	Automated Backup and disaster recovery	Yes

INITIATIVE - 12: Implementation of RFID Technology in the Library

The college has effectively adopted Radio Frequency Identification (RFID) Technology in the library, which has resulted in significant improvements such as automatic issue return, security of library resources, inventory control, and so on.

RFID Startup Plan

Sl No.	Particulars	Quantity
1.	RFID Tags(UHF) for Books	12,000
2.	Integrated Staff Station Reader (UHF) for Tagging/Circulation	01
3.	Member Card for for Users	250
4.	RFID (UHF) Gate Antenna System (1 Pair)	01
5.	Standard Middleware Software (Layer Software) with integration of Koha ILMS and RFID	01

Details of Package

- UHF RFID Tags for Books
- UHF RFID Smart Card
- Staff Station Reader (UHF)
- RFID (UHF) Gate Antenna System (1 Pair)
- Middleware Application Software with integration of Koha ILMS and RFID

RFID COMPONENTS

RFID TAGS: Alien 9640 Squiggle

These are stucked in books for identification. This tag is only read by the RFID reader. These tags are re-writable.

- EPC Gen 2(v1.2.0) compliant 840-960 MHZ
- Dimension: 3.992"[101.4mm.] x 0.625" (15.875 mm)
- Integrated Circuit Alien Higgs-3
- Operating Frequency 840-960 MHz EPC Size 96-480 Bits

SMART CARDS: For Users

This acts for the Library Card issued to patrons from the library. This card is compulsory while the books lending. The cards are re-writable for next year's students.

- Dimensions: 85x54x0.84 mm (3.3x2.1x0.3in)
- Case material: PVC
- Operating Temperature: -10°C to +50°C
- Operating frequency: 860-960 MHz
- Supported standard: EPC global Class 1 Gen 2; ISO 18000-6C
- Read distance: Up to 10m/32.8 ft.
- Chip type: UCODE G2XM



- Memory: 240-bit EPC; 64-bit TID; 512-bit programmable user memory.
- Functionality: Read/Write
- Data retention: >10 years.

UHF Integrated reader/Staff Station: IR0507E

This is used for book tagging by the staff of library. This is also used for book lending by the staff at the circulation desk. This works as a smart RFID desk also.

- UHF middle-distance integrated reader
- Processor: ARM CORTEX M3 100M
- Memory: RAM 16Kbits + FRAM 32 Kbits
- Frequency: 860 MHz-868 MHz (CE)
- Protocol: ISO 18000-6B, EPC G2
- Interface: rS232, RS485, TCP/IP
- GPIO: 1Relay output, 2 TTL outputs, 2 TTL inputs
- Reading Range: 5-8 m.
- Power Consumed: DC+9V/12V

UHF Gate Antenna System: Anti-theft Gate reader

It is a Walk through gate antenna system which reads the tag in all three orientations. It is combination of Gate Antennas and Long range reader. It can keep log of all items passing through the gates. It also sounds buzzer on passing of unauthorized items or as per configuration set.

- Frequency: 860MHz-868MHz(CE)
- Protocol: ISO 18000-6B, EPC G2
- Reading Range: 3M
- Power Consumed: DC+9V/12V
- Interface: TCP/IP
- Sound Alarm & LED glowing for theft indication
- Powered by Impinj Speedway reader

Middleware/Layer Software: (WEB Version)

This is web based software communicates between LMS Koha with RFID Hardware. All the transactions done by the RFID Components are drained to Koha's Database in real time by this middleware software.

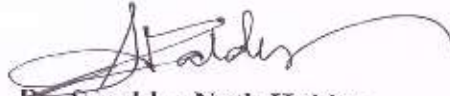
Our software is developed in hybrid system. This software acts as per the circulation rules created in Koha ILMS.

FUTURE PLANS:

1. This report outlines the events and activities the IQAC carried out in accordance with the Plan of Action that was presented the prior year. It was decided to schedule the infrastructure audit and the M.Ed. programme initiative for the college for the next year.
2. Construction to horizontal extension of existing building of Shimurali Sachinandan College of Education (G+1), under Nadia Construction Division (PWD) during the year 2019-2020 (Civil and electrical works). The IQAC has decided to increase building development in order to give more room for the introduction of a new academic and add-on programme.
3. Establishment of a Language Laboratory with the necessary equipment, software, and furniture to help students learn and be equipped with a method of classroom communication. It will enable them to build soft skills in-house and prepare them for teaching and learning.
4. The institution is committed to implementing a sustainable eco-friendly Campus, ensuring a Plastic-Free Zone in the college, tree plantation, gardening and conducting a regular Environmental Audit system.
5. The institution is dedicated to making the campus more approachable to physically challenged students. Installation of an elevator to help persons who have difficulty moving up and down stairs.
6. The IQAC has planned to host additional seminars, symposiums, and workshops in collaboration with prominent academic institutions or associations around the country.
7. The IQAC has planned to start Biometric Attendance System for all Teaching and Non-Teaching staff of the college to monitor attendance of the staff and upload on the website in weekly basis.
8. The IQAC has resolved to acquire an extra generator to ensure continuous power supply across campus.

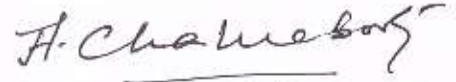


9. In order to better serve the needs of the students and the games, it has been planned to acquire extra sports materials and physical education equipment.



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