



# SOPHIA GIRLS' COLLEGE (AUTONOMOUS), AJMER

Re-Accredited 'A' Grade By NAAC (UGC)  
Affiliated To Maharshi Dayanand Saraswati University, Ajmer

Annual Report

Session  
2018-19



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## SOPHIA GIRLS' COLLEGE (AUTONOMOUS), AJMER



### ANNUAL REPORT SESSION 2018-19

**The major activities and achievements of the session 2018-19 are as follows-**

#### **I. TEACHING AND LEARNING**

The College ensures that its faculty is well informed about the contemporary educational trends and issues and for this, the College:

1. Encouraged the staff members to attend FDPs, Seminars, Workshops, Orientations, and Webinars etc.
2. FDP's on themes of Outcome based Education and Life Skill education were organised to introduce the staff members about the CBCS System, Bloom's Taxonomy etc.
3. Signed Memorandums of Understanding (MoUs) with a variety of National and International Higher Education Institutions to enhance knowledge transfer through exposure and experience.
4. Encouraged the use of ICT enabled Teaching aids such as audio-visual aids and smart boards, virtual classrooms, development of E-content etc.

#### **I. RESEARCH**

College Strives to inculcate and promote research culture among the staff and students as research contributes to developing in depth knowledge in a particular field of study, develops a better understanding, and builds credibility. For this, the College:

1. Inspired the staff to enroll and complete the Doctoral Degree.
2. Ensured the provision of incentives to the staff members for their research endeavours.
3. For the first time, sanctioned Seed Money grants to the staff members for carrying out Institutional Research Projects .

The following twelve staff members have received the Grant for Institutional Research Projects:

**1. Mr. Gautam Chaturvedi, Department of Computer Science**

Title of the Project-Study of Enterprise Resource Planning (ERP) System Functionality in Higher Education of Rajasthan

**2. Mrs. Neha Sharma, Department of Computer Science**

Title of the Project-Development of Spatial GIS data Filters for Controlling Network Traffic using WML

**3. Mr. Deepak Balani, Department of Commerce**

Title of the Project-Probability and Growth Analysis of Housing Industry in Ajmer with reference Current Leading policies of Commercial Banks.

**4. Dr.RituBhargava, Department of Computer Science**

Title of the Project-Comparative Study of Smart Health Prediction using Machine Learning Algorithm

**5. Dr. Bhawana Sharma, Department of Management**

Title of the Project-A Comparative Study on Traditional and Online Education

**6. Mrs. KiranBhagnani, Department of Computer Science**

Title of the Project-An online Examination for Descriptive Type Questions using Artificial Intelligence

**7. Ms.ShipiYadav, Department of Geography**

Title of the Project-Geo-Spatial & Temporal Analysis of Urban Heat Island using Remote Sensing and GIS: A Case Study of Ajmer City (Raj.)

**8. Mrs. ShahinaSherani, Department of Physical Education**

Title of the Project-Comparative Study for Sports Competition anxiety Between players from individual and Team Sports

**9. Ms. Shikha Sharma, Department of Geography**

Title of the Project-Spatial Temporal Changes in Political Boundaries: A Case Study of Ajmer City

**10. Mrs. Surbhi Mehra, Department of Management**

Title of the Project-A Comparative Study Work Life Balance among Academicians of Public and Private Colleges in Ajmer City of Rajasthan

**11. Mrs. Shubha Chaturvedi, Department of Computer Science**

Title of the Project-Study of Optical LAN as an Emerging LAN Architecture

**12. Mr. Rishi Saxena, Department of Computer Science**

Title of the Project-Development of an Expert System for Education to Identify the Core Skills in UG Students of Computer Science based on the Cognitive Behaviour

The following staff members have been awarded Ph.D. during 2018-19

1. Dr. Neha Sharma, Department of Computer Science
2. Dr. Avantika Gaur, Department of English

The college is also proud to announce that one of the senior faculty member, Dr. Monika Kannan has been sanctioned a Major Research Project from ICSSR.

## II. CONFERENCES, SEMINARS, WORKSHOPS ORGANIZED

**Department of Computer Science** organized a two-day National Workshop on ‘Research Methodology and Data Analysis using Data Mining Tools’ was organized on 16<sup>th</sup> -17<sup>th</sup> August 2018 sponsored by Department of Science and Technology, Government of Rajasthan.



A Two-Day National Conference on 'Emerging Trends and Scope in the Banking Sector with Special Reference to the Present Indian Scenario' was organised on the 24<sup>th</sup> -25<sup>th</sup> August,2018 by the **Department of Commerce and Economics** in collaboration with the Rajasthan Chapter of Indian Commerce Association.



Participants from all over the country participated in the two-day National Conference on 'Advances in Science and Technology – an Interdisciplinary Approach' organised by the **Department of Chemistry** on 15<sup>th</sup>-16<sup>th</sup> October,2018



A National Workshop on Quantitative Techniques and Data analysis was organized on 15<sup>th</sup> February, 2019 by the **Department of Geography**. The workshop was attended and benefitted from the expertise of eminent geographers from all around the country.



A two-day National Workshop on 'IOTignite' was organized on 22<sup>nd</sup> -23<sup>rd</sup> February, 2019 by the **Department of Computer Science** in collaboration with the Computer Society of India.





On 16<sup>th</sup> March 2019, IQAC organized a National Seminar on E-learning and MOOCs in Higher Education in collaboration with Guru Angad Dev Teaching Learning Centre of MHRD, co-organized by the Directorate of College Education, Government of Rajasthan which was attended by lecturers from different colleges of Rajasthan.



### III. COMPILATION AND SUBMISSION OF AISHE

The IQAC members formulated a survey team and started documenting and preparing for the NIRF Ranking reports and AISHE data for the session 2018-19 was submitted on 23<sup>rd</sup> March 2019.

### IV. FEEDBACK

A Structured Feedback was analyzed for the upgradation suggested by the stakeholders i.e., Students, Teachers, Employers and Alumni. The analyzed report was presented and discussed in the meeting of statutory bodies.

### V. FACULTY DEVELOPMENT PROGRAMMES ORGANISED FOR THE TEACHING STAFF:

S. No	Title of the Programme	Date
1.	INFLIBNET- A Tool For Research	4 <sup>th</sup> July, 2018
2.	Intellectual Property Rights	21 <sup>st</sup> July, 2018
3.	Perspectives of Effective Teaching	22 <sup>nd</sup> Sept, 2018
4.	Training and Professional Development- Google for Education	16 <sup>th</sup> Nov, 2018
5.	Intelligent Investments	16 <sup>th</sup> Feb, 2019
6.	Outcome Based Education	17 <sup>th</sup> –18 <sup>th</sup> April , 2019
7.	Life Skill Education	28 <sup>th</sup> -29 <sup>th</sup> June, 2019

### VI. STAFF DEVELOPMENT PROGRAMMES ORGANISED FOR THE NON- TEACHING STAFF:

S. No	Title of the Programme	Date
1.	Proficiency in Spoken English	4 <sup>th</sup> July, 2018
2.	Tailoring Skills	3 <sup>rd</sup> - 13 <sup>th</sup> Aug., 2018
3.	Basics of Spoken English	24 <sup>th</sup> Sept., 2018
4.	Financial Education- Investments, Insurance and Savings	5 <sup>th</sup> Oct., 2018
5.	Jewellery Making	13 <sup>th</sup> - 20 <sup>th</sup> Oct., 2018
6.	Intelligent Investments	16 <sup>th</sup> Feb., 2019
7.	Basics of Banking	16 <sup>th</sup> Feb., 2019

## VIII. PROFESSIONAL DEVELOPMENT PROGRAMMES, ORIENTATION/ INDUCTION PROGRAMMES, REFRESHER COURSE, SHORT TERM COURSES

Name of the Faculty	Title of the Programme	Date
Dr. Sr. Rani	Global immersion Programme at Singapore Institute of Management, Singapore	24 <sup>th</sup> -29 <sup>th</sup> Oct., 2018
	Faculty Training Programme for College Faculty - Asian University for Women, Chattogram, Bangladesh, organized by United Board for Higher studies in Asia	22 <sup>nd</sup> Feb-1 <sup>st</sup> Mar., 2019
Mrs. Deepmala	HRDC- Refresher Course in “Chemical and Physical Science”-Maharishi Dayanand Saraswati University, Ajmer	13 <sup>th</sup> Sep.- 3 Oct,2018
Dr. Taruna Sethi	HRDC- Refresher Course in “Chemical and Physical Science”-Maharishi Dayanand Saraswati University, Ajmer	13 <sup>th</sup> Sept. – 3 <sup>rd</sup> Oct., 2018
Mrs. Persis Latika Dass	Refresher Course on “Human Rights and Women Empowerment” - Organized by HRDC, MDS University, Ajmer	26 <sup>th</sup> Feb – 18 <sup>th</sup> Mar, 2019
Mrs. Asha Sharma	Refresher Course on “Human Rights and Women Empowerment” - Organized by HRDC, MDS University, Ajmer	26 <sup>th</sup> Feb. -18 <sup>th</sup> March, 2019
Mrs. Surbhi Mehra	Attended Refresher Course in Human Rights and Women Empowerment - Maharshi Dayanand Saraswati University, Ajmer	26 <sup>th</sup> Feb.-18 <sup>th</sup> March, 2019
Ms. Shilpi Yadav	MOOC on Do-It-Yourself Geo Apps - organized by ESRI	4 weeks, 2019
	MOOC on Web Accessibility Best Practices - organized by ESRI	4 weeks 23 <sup>rd</sup> Jan., 2019
	MOOC on Earth Imagery at work - organized by ESRI	6 weeks, 2018
Mrs.Ruchi Mathur	Attended Refresher Course in Human Rights and Women Empowerment– Maharshi Dayanand Saraswati University, Ajmer	26 <sup>th</sup> Feb.- 18 <sup>th</sup> Mar, 2019

## IX. VALUE-ADDED COURSES OFFERED IN SESSION 2018-19

- Dramatics
- Aerobics
- Dance
- Library and Information Science

- Instrumental Music
- French
- Basics of Tally
- Journalism
- Photography
- Short Films and Documentaries
- Cambridge Communicative English
- Human Rights
- Self Defence
- Basic Yoga
- Personality Development
- Soft Skills
- Cosmetic Grooming and Nutritional Management
- Fitness
- Textile designing

#### **X. RESULT ANALYSIS**

The Result of all the U.G. and P.G. programs offered in the college is as follows-

**The pass percentage of all U.G. programs**-Sem I was 100%, whereas Sem III result varied from 99-100%, Sem V result varied from 98-100%.

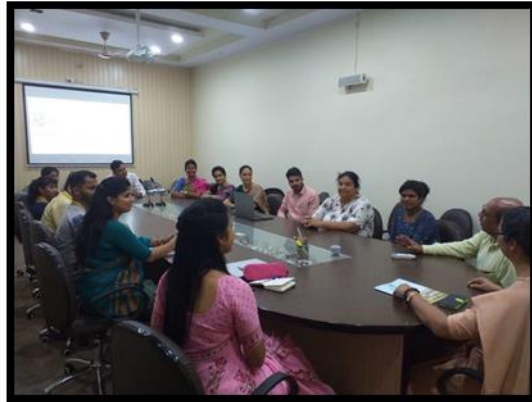
**The pass percentage of all P.G. programs**-Sem I, III 100% result.

#### **XI. COLLABORATIONS/ MOUs**

The College has signed Memorandums of Understanding with renowned institutions all over the country and abroad for the purpose of Staff and Student exposure and exchange Programmes, Collaborative Research and Cultural Exchange. In this Academic Year college has signed MoUs with 12 prestigious institutes:

1. People's Union for Civil Liberties, Ajmer
2. Sasvika Society, Ajmer
3. Govt. College of Arts, Science & Commerce (Goa)
4. Fr. Agnel College of Arts & Commerce (Goa)
5. Pillai College of Engineering, Mumbai (Maharashtra)
6. Jaipuria Institute of Management, Jaipur (Rajasthan)
7. St. Anthony's College, Shillong (Meghalaya)
8. St. Edmund's College, Shillong, Meghalaya
9. Don Bosco College, Diphu (Assam)
10. Carmel College of Arts, Science and Commerce for Women (Goa)
11. Allen Career Institute, Kota (Rajasthan)
12. HMT Machine Tools, Ajmer (Rajasthan)

Various Internships, Visits, Hands on Training, Exchange Programmes were organised during the whole academic year with the collaborative institutes



## **XII. EXTENSION, OUTREACH PROGRAMS AND INTERNSHIPS**

College regularly organises various Extension activities, Visits, Field Trips, and Internships for the students to learn through experience and exposure and not just theory concepts. Some of the extension activities and Outreach programmes conducted in the academic session were:

1. Rally on Girl Child Day
2. International Literacy Day in the nearby bastis
3. Spiritual Enlightenment Program at Tabor, Mumbai
4. A visit to Indian Meteorological Department, Ajmer
5. Educational trip to Barefoot College, Tilonia'
6. An Educational Trip to Ahmedabad
7. An Industrial Visit to Saras Dairy
8. Educational Visit to NRCSS, Tabiji, Ajmer
9. Educational Tour in collaboration with Uttar Pradesh Tourism Agra-Fatehpur- Sikri-Bharatpur



Students have completed internships from various organizations which provided them with a first-hand experience to the industrial and corporate sector. Some of them are -

1. Manisha Upadhyay and Neelam Soni from Ambuja Cement Ltd, Rabriyawas
2. Priyal Mundra from HDFC Bank, Jaipur
3. Sampa Sarkar from Bhatia And Company, Kota
4. Smita Dagra and Swati Dadhich from Adarsh Cooperative Bank, Kishangarh
5. Vandana Manghani from HDFC , Ajmer

### **XIII. INFRASTRUCTURE AND IT FACILITIES**

College regularly upgrades the infrastructure and IT facilities to provide best learning environment to its students.

1. During this session, a Geo informatic Lab was established.
2. Various equipment were purchased for the all the science labs to impart quality education.
3. Language Lab was also established.
4. RS-CIT course runs regularly for around 30 registered students.

## XIV. PLACEMENTS

Training and Placement Cell of College strives to provide the best career opportunities to students and help them get a reputed job even before the completion of their degree courses. This Year, Placement cell saw participation from major recruiters like

1. Infosys
2. Fasttrack
3. GenX Soft Pvt. Technologies Ltd.
4. ICICI Prudential
5. TCS
6. Concentrix Daksh

A total of 59 students from various faculties were recruited from these companies.

## XV. COLLEGE CELLS & COMMITTEES

### 1. Institution Innovation Cell

The MHRD has granted the college, an Institutional Innovation Cell to conduct innovative activities on campus.



### 2. Good News Group

- The Good News group consists of a group of students who are spiritually inclined. It is the usual custom of the college to begin the new academic session by invoking God's blessings. The members enthusiastically conduct various activities like Enactment of the lives of Saints, Calligraphy Competition, Scripture Quiz, Christmas Assembly etc.





- The Good News Group organised an Outreach programme at the Hearing Impaired School in Bhilwara. Besides praying with the children, the students organised games for them, interacted with them, learnt sign language and also put a mime on the hazards of mobile phone.



### 3. Cultural Committee

We at Sophia celebrate people. There are important days in our Academic Calendar like Sophians Day, Teachers' Day, Management Day, Maintenance Staff Day etc.

- Sophiesta: The Sophian Cultural Fest was organized by the Cultural Committee. Its main aim was to encourage the prolific inventiveness of the students in the field of Art, Drama and Literature.



#### 4. Bioscope: The Movie Club

The club organized the Screening of the Movie “Manikarnika: The Queen of Jhansi”. The film was a moving and inspiring tale of the Queen fighting against all odds to fight the Britishers to save her kingdom.

#### 5. Nature Club

- The students of the Nature club with the aim of conserving nature and wildlife 24 sparrow houses around the college campus at different spots.



- The members of the club performed nukkad natak on the themes: Save Environment, Global Warming, No Plastic and Zero Pollution. The aim of the activity was to raise awareness of environmental issues among the young generation



#### 6. Spectrum- The Dramatics Club

Spectrum-The Dramatics Club staged the Annual English Play ‘The Mouse Trap’ (Murder mystery) by Agatha Christie and the Annual Hindi Play, namely, ‘Toba Tek Singh’ was inspired by Sadat Hasan Manto’s brilliant Short Story.



## XVI. DEPARTMENTAL CLUBS AND FORA

### 1. Floricans – The Zoology Forum

- The Department of Zoology organized a Seminar and a Hands-on Training on DNA extraction techniques by Prof. Ordetta Mendonza, Head, Department of Bioinformatics from Stella Maris College, Chennai. The students also conducted a Flora and Fauna audit of the campus.



- The Department also conducted a visit to Workshop on Avian Diversity of Ajmer.



## 2. **Athenaeum –The Literary Forum**

- A two-day workshop on Translation Studies was organized by the Department of English. Prof. H.C. Narang from JNU and Dr. Ranjit Saha from JNV University were the Resource persons of the Workshop.
- Athenaeum - The Literary Forum organised The Annual English Debate on the topic The Fault lies in the Stars



## 3. **Gyanodaya-The Hindi Forum**

- Department of Hindi Organized an Annual Hindi Debate. The topic of the Annual Hindi Debate was 'Internet ke Prayog Ne Vidhyarthiyon Ki Srijan Shakti Ko Seemit Kiya Hai'



- Students have participated in a Rachnatmak lekhan evam Abhinaya Karyashala Pratyogita organised in collaboration with Rajasthan Sahitya Academy and Natyavrind Academy.

## 4. **Aashiya: The Home Science Forum**

Department of Home Science organised a three days Nutrition Fest which involve events such as Nutritive Recipe Making Competition, talk on “Importance of nutrition at various stages of life” and an interactive session on the topic “Women and their well-being”.



### 5. Arthniti: The Economic Planning Forum

- To build creativity and confidence of the students, one day fest “Ecolloquium” was organized by Arthniti- Economic Planning Forum. Activities such as Wealth Of Nations, Chamber of Secrets, Trinit, Musical Chair and One Minute Games were conducted during the fest.



- The Department of Economics had organised a one-day workshop on Primary Research.



### 6. Silicon- The Information Technology Forum

The Department of Computer Science organized an IT Week in which various competitions such as Poster Making, Collage Making, Quiz etc. were conducted



### **7. Orchid – The Botany Forum**

The Department scheduled a campus survey for the students of B.Sc. Bio. Part III (Sem VI) to maintain a record of trees present in the College campus.



### **8. Catalyst – The Chemistry Forum**

Dr. Monika Kannan (Head, Department of Geography) conducted a two-day seminar in September on 'How to write a research paper' for the different Departments of the college.



### 9. **Commercium & Synergy – The Commerce & Management Forum**

The Department of Commerce and Management organized a number of Seminars during the whole academic year such Personality Development and Stress Management, Investment in Mutual Funds, Employability Skills to name a few.



### 10. **Kalam – The Science Forum**

An activity based on environmental awareness was organised.



### 11. Lyceum-The Political Science Forum

A Talk on 'Indo-Pak Relations' was also organized by the Departments of Political Science and History.



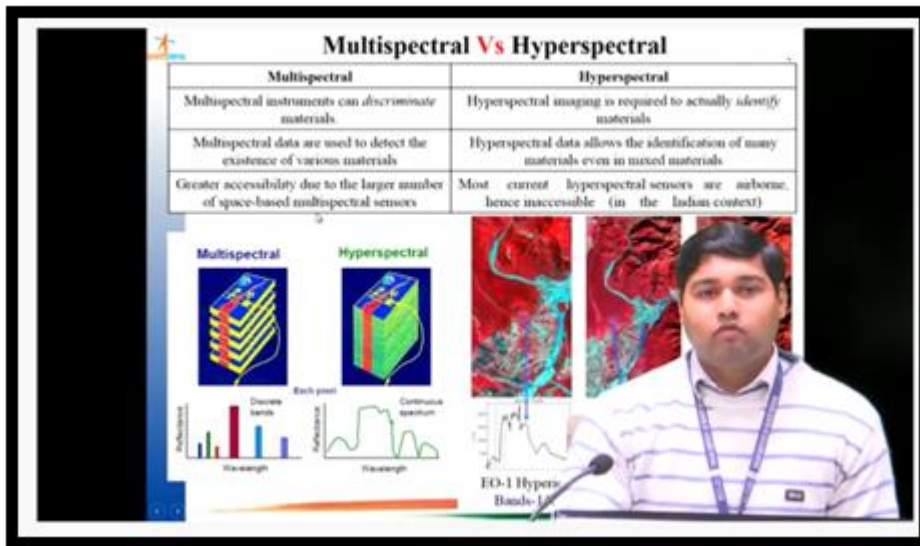
### 12. Prakriti –The Geography Forum

- An Educational Trip of 10 days was organized for the students of Geography (Under- Graduation and Post- Graduation) to places Gangtok, Nepal border, Darjeeling, Changulake. Mirk Lake and monasteries (North East) to apprise them about field survey, Data collection, empirical techniques of Analysis.





- An Online Outreach Program on “Hyper spectral Remote Sensing and its applications” was organized for the UG / PG Students of Sophia Girls’ College to apprise them with the use of Hyperspectral Remote sensing.



### 13. Khanqah – The History Forum

A Talk on ‘Rajputs and Mughals: Age of Cultural Efflorescence’ by Dr. Rima Hooja and Dr. Ram Pande was organised for the students of the History Department.



### 14. Anubhuti – The Psychology Forum

A two-day workshop on “Intelligent Meet” was organized by the Department of Psychology. The resource person, Mr. Vinod Sharma is a Guinness World Book record holder. The Department also had interactive sessions on – Mental Health of women and Children and Women and their Well-Being.



## **XVII. NATIONAL CADET CORPS (NCC)**

The college NCC Unit functions under 5 Raj Girls Battalion, Udaipur. There are 50 NCC Cadets in the college

- 8 cadets were selected for Pre- Inter Group Competition Camp at Bhilwara from 21<sup>st</sup> to 30<sup>th</sup> Sept 2018 where they actively participated and 4 Cadets were further selected to attend the Inter Group Competition Camp held at Jaipur.



- 4 Cadets were selected for IGC Camp at Jaipur from 27<sup>th</sup> Oct to 4<sup>th</sup> Nov 2018.



- Twenty-Nine Cadets appeared in B and C Certificate Examination.
- Cadet Vijeta Shekhawat got selected for the Republic Day Parade and received the highest honour of NCC DG's Commendation which was awarded to only four girls all over India. She also got selected as the Indian Ambassador for the Youth Exchange Program (YEP) 2019. She is the only Cadet from Rajasthan who has been recommended for OTA, Gwalior for the SSB Training.



## **XVII. NATIONAL SERVICE SCHEME (NSS)**

The College has 2 Wings of the National Service Scheme with 235 volunteers.

1. The volunteers are actively involved in devoting themselves to the service of society by regularly organising Swachh Bharat Abhiyan Campaign, Nukkad Nataks, Tree Plantation Drives, Blood Donation Camps, Poster and Banner Making Competitions, Rallies and Candle Marches on important days like Girl Child Day, World AIDS Day, Human Rights Day, Womens' Day and they also have a special ten-day NSS Camp.

2. As a part of their Outreach Program, the NSS volunteers teach the primary and middle section students of the Government School, Mirshali and Bhopo Ka Bada.
3. Seven NSS volunteers under the leadership of Ms. Shilpi Yadav represented Rajasthan at the NIC Camp at Bhopal.
4. Two NSS volunteers namely, Haniya Khatun of B.Com Part III and Kesar Kanwar BA Eng. Hons. III participated in the Pre-Republic Parade Camp.
5. Kesar Kanwar was one among the two hundred NSS volunteers who marched at Rajpath, New Delhi on Republic Day.



