

#### **7.1 Environment Consciousness**

##### **7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?**

There is no formal mechanism for Green Audit. But College has always been conscious for its green campus filled with natural flora-well maintained ornamental plants and small gardens. The College is maintaining lush green lawns, beds of seasonal flowers and roses and potted ornamental plants which are used for decorating the verandas and corridors. The College has a Gardening Committee to take care of all its gardens and lawns in the college campus. This committee is working under Dr. Saroj Gupta (Head of the Department of Zoology). This committee takes great interest in making the campus highly eco-friendly. Plenty of plants have been planted by the N.S.S. Volunteers, Rovers Rangers Crew to make the college campus cool, pollution free and attractive. Gardening Committee is appointed to look after the maintenance of greenery. The Gardening Committee conducts inspection to seek solutions of the existing problems and make strategies to improve them in the existing conditions. Survey regarding greenery is carried out from time to time. Recently, it has undertaken the following steps:

##### **About Waste Audit**

- The survey recommended that the number of dustbins should be increased, so that the collection of waste could be done more conveniently. More dustbins have been provided.
- The polythene has been banned in the College premises. The college administration take care that the ban is implemented without violations.
- Biological waste is disposed by burring it in a pit to make compost.
- Waste paper is sent to recycling plant.
- Other waste put beside the college is picked up by municipality men on regular basis.

##### **About Water Audit**

- The College Administration monitors water consumption to reduce the wastage of water in the campus.
- The points of leakage and water overflow are identified and appropriate measures are taken immediately to prevent wastage of water.
- To save water, sprinklers are used for even and uniform watering in the lawns.
- Awareness campaigns are conducted for elaborating upon the importance of water and users are advised to keep the tap closed after use.

##### **About Energy Audit**

- The College believes in energy saving. The College Administration takes rounds to check that lights and fans are not left switched on when not in use.
- Traditional bulbs have already been replaced with CFL lights.

### **7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?**

- **Energy conservation**
- **Use of renewable energy**
- **Water harvesting**
- **Check dam construction**
- **Efforts for Carbon neutrality**
- **Plantation**
- **Hazardous waste management**
- **e-waste management**

The following measures/initiatives are taken by the College in order to make the campus eco-friendly:

#### **Energy Conservation**

Making the campus eco-friendly is the major concern of the College administration. It invites the opinion of the faculty members, students and makes strategies to sustain environment, and implement them effectively involving students and staff through active participation of students and staff.

Following measures have been taken to save energy:

- In addition to room switches, main switch is given in the corridor to switch off the power supply whenever not needed.
- During renovation of the College building, the transparent glass windows have been installed to provide natural light in all the classrooms.
- Ceiling fans are used instead of air conditioners.
- The College provides well ventilated and spacious classrooms.
- LED lamps have been used for outdoor lighting.
- Computers, printers, copiers etc, which are not in use are shut down and disconnected at the end of the day.
- Electronic equipments and gadgets are shut off during non-working hours.
- Regular servicing of the electrical appliances and equipments used in the laboratories is done to reduce electricity load.

#### **Use of renewable energy**

- For lighting the changes solar lights are installed.

#### **Water Harvesting**

- In the playground, the College has vast spaces which make rain water stay and recharge the underground water resources.
- Care is taken to reduce the wastage of water.

#### **Check Dam Construction**

Not Applicable

### **Efforts for Carbon Neutrality**

- The College has made arrangements for the parking at one side of the College premises. This helps in keeping the campus as pollution free as possible.
- In order to reduce pollution and unnecessary wastage of vehicle fuel, students are encouraged to avoid the use of two-wheelers while coming to the College. They are motivated to use cycle or e-rickshaws. Teachers are advised to take initiatives towards car-pooling.
- The dead leaves and the waste papers are not allowed to be burnt. The leaves are buried in the soil itself.
- Plantation of trees has been increased in the campus. This is another step in carbon sequestration.
- We have a lush green campus with adequate measures taken to avoid any kind of pollution.
- We have Power Back up Systems which are free from carbon complaint.

### **Plantation**

- The campus has big trees having botanical significance.
- The College plans a botanical garden which would house various herbs, shrubs, and medicinal plants.
- In the last years the College has planted more ornamental and shady plants in the campus.
- Tree plantation is regularly plasticized on special occasions like Independence day and Republic day, to create clean and green campus.
- The task of plantation has also been regularly carried out by NSS units inside and outside the campus.
- The palm trees adorning both sides of the road within the campus present a picturesque view.

### **Hazardous Waste- Management**

- Separated solid wastes are dumped in the dustbin.
- Some teachers and non-teaching staff of the department of Zoology and Chemistry know how to dispose of hazardous waste. They are well aware of the hazards of the chemicals and other associated products.

### **E-Waste Management**

- Electronic waste, such as discarded computers, damaged mobile phones, batteries; CD's and office electronic equipments are disposed of as per their conditions. Their disposal is such that it does not cause any damage to the environment.
- In order to prevent the air from further pollution, the college made the students aware of the pollution created by fire-crackers before Diwali. This was done through posters and slogans.

## **7.2 Innovations**

### **7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.**

Over a period of years, the college has introduced innovative measures which have created a positive impact on the overall functioning of the College. The following innovations and new strategies have been adopted in this regard:

- The College provides SC & ST students stipend for books & stationery. This facility also included students from other sections having economical backwardness. This measure results in increasing the access of the under privileged students to better study material.
- Three year ago, the College established a smart class in the department of Geography. This has made the teaching of the subject more effective and sophisticated.
- The College sanctioned to subscribe to the N-LIST program of the UGC-INFONET Digital Library Consortium. Now the College is authorized to access e-resources at national & international level & download articles directly from the publisher's website. The impact of this remarkable initiative is again positive, as it provides unprecedented stimulus & impetus to the research activity in the College. This has also resulted in making the Library borderless, and the freedom of the users in terms of time & place of working.

During the last years, the College discovered a new way of encouraging and inspiring excellence in performance among the students, by publishing their photographs and names in the College magazine "Kaumudi", and the College prospectus. This measure has become a more visible and widespread appreciation of the achievers, and an inspiration and a model to others.

## **7.3 Best Practices**

### **7.3.1 Elaborate on any two best practices as per the annexed format which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.**

#### **Best Practice 1**

##### **1. Title of the Practice: "Promotion of Teaching-Learning and Research"**

##### **2. Objective**

- Achieving self sufficiency on all fronts to ensure quality teaching-learning practices.
- Providing quality education, student-centered teaching-learning processes and state-of-the-art infrastructure.
- Imparting education that encourages independent thinking, develops strong domain knowledge, contemporary skills and develops holistic growth of young minds.
- Transforming Sanatan Dharm College into a centre of academic and research excellence.
- To encourage and inculcate a research culture among the faculty of UG departments as well as PG departments.

- Encouraging faculty to publish books and also research papers in national and international journals.
- Enhancing infrastructure facilities for research & development in selected areas.
- Harnessing research potential of faculty members.

### 3. The Context

The College has extremely talented faculty who are hugely interested to pursue their academic endeavors and research activities. Presently, there is good combination of experienced faculty and newly appointed faculty who have great enthusiasm to do good things for the College.

- Sanatan Dharm College aims at excellence in research and high quality in higher education; extending the research potential of faculty members by bridging the hiatus between industry and academia;
- Enhancing of opportunities for faculty development through participation in seminars, paper submission and pursuing research degrees and projects;
- Assuring access to relevant, current information and library resources.

### 4. The Practice:

Teaching-learning and research activity occupy the maximum space in the schedule of the College. All of the faculty members are dedicated to performing their duties in this context. The practice is to make teaching free from any shade of dullness, so that learning becomes a joy as well as an academic requirement. Classes are regularly held and teachers adopt innovative teachings to make the entire experience more profitable for the students.

The Research Committee takes stock of the needs of the researchers. It promotes a more congenial atmosphere for pursuing research. The College is a preferred venue for the same. The enrichment of the source material has been a major part of the effort of this Committee.

### 5. Evidence of Success:

The Sanatan Dharm College is one of best colleges of CCS University in every respect. The impact of the above practice to inculcate **Promotion of Teaching-Learning and Research** among the faculty members and among the students is evident in the data given below:

- The success of the College in the teaching-learning practices is reflected in the percentage of the students declared position in the University examination.
- The College has been having a good number of toppers and distinguished achievers in academic, and also in extra-curriculum, tests. The College has been producing the winners of gold medals every year, which is a sort of record for an affiliated College.
- A remarkable number of students have been able to qualify national & international competitions, and have got admissions in higher courses of reputed universities in India and also abroad.
- The efforts of the Research Committee have resulted in some of the departments of the College being equipped with computer.
- It is a huge success of the College that it now subscribes to N-LIST program of INFLIBNET.

- On the recommendation of Research Committee, the library now subscribes to the “International Journal of Trade and Commerce”.
- The faculty members have been working as members of the Board of Studies, counseling the students, and guiding the research scholars, and thus ensuring the quality of academic program. Following table verifies the truth of the story:

• **Award of the Degree of Ph.D. in the College (Department wise)**

Department/ Year	Total Dept. Wise
Hindi	01
Commerce	54
Physics	04
Mathematics	05
Zoology	01
Botany	02
Sanskrit	04
English	12
Pol. Science	06
History	04
Economics	12
<b>Total</b>	<b>105</b>

- **80% of our faculty members are actively engaged in research work. Details of list of publication are as follows:**

Teaching, learning and evaluation have been combined into a composite activity to integrate imaginatively evolved innovations. For example, the Physics department of the College conducts a National Graduate Physics Examination (NGPE).

- The students of graduation and post graduation are involved in extracurricular activity, e.g., N.S.S, N.C.C., Sports and Debates etc.
- The link with IAPT (Indian Association of Physics Teachers) has been functioning for the last ten years to evolve strategies to promote innovations.
- To elucidate some of the innovations in research and extension initiatives taken by the College, which are likely to give a significant thrust to research and development in the programs, the following points might be mentioned:
  - ✓ The students of Commerce choose local problems specifically, and such diverse areas as rural finance, cottage industries, sugar industry, agricultural reforms and banking etc., generally to investigate problems and processes, derive observations and conclusions, and thus apply their academic knowledge to real-life situations in the outside world.
- In order to manage, the overall development of the students.
  - ✓ The College has a well designed time table and academic calendar;

- ✓ The College has separate committees to look into the work of the library, the sports activities, and the students' welfare programmes and so on.
- ✓ The College has chosen to go in for computerization in its all departments.
- ✓ The College has been adding to its rich collection of books and journals.
- ✓ An annual function of the College becomes a great occasion for the students, to reveal their cultural and artistic talent. They are honored with prizes and certificates for their performances, both, in the examinations and in the extracurricular activities of the College.
- ✓ To inculcate the talent of sports, different sports events are organized in College, of which the details have been provided above.

**Contributions of different departments in the field of research are as follows:**

Department	Name of Faculty	No. of Students Guided
Commerce	Dr. S.C. Varshney	29
	Dr. P.K. Srivastava	05
	Dr. R.K. Mittal	08
	Dr. S.P. Agarwal	09
	Dr. R. Kumar	03
Sanskrit	Dr. Vijay Luxmi	0
	Dr. Arunima Rani	01
English	Dr. Alka Bansal	08
	Dr. Kamini Singhal	04
Political Science	Dr. Satish Tyagi	06
History	Dr. Madhu Bala	04
Botany	Dr. Abha Arora	02
Mathematics	Dr. Sudhir Kr Pundir	05
Zoology	Dr. Saroj Gupta	01
Hindi	Dr. Niketa	01
Physics	Dr. G.P. Gupta	03
	Dr. Rajkumar Agarwal	01
Economics	Dr. R.K. Agarwal	12

**6. Problems encountered and Resources Required**

- The number of posts sanctioned is too short to maintain a healthy teacher-student ratio.
- The policy makers rationalize the expansion of higher education.
- Teaching days are adversely affected by the University Academic Calendar assigning nearly three months for examination during the session.
- Research aptitude & talent are being damaged by the anomaly that higher education is being privatized more & more: but the experience of a teacher having worked in self-financed

Colleges/Universities is not recognized to qualify him for examiner-ships & research supervisor-ship.

UGC should redeem these victims of incongruous growth of higher education.

- A degree of Ph.D. seems to be more important than quality of research in the existing system. A genuine researcher withers away running about to persuade the sluggish & greedy officials to perform their respective duties. One might be an excellent teacher without a Ph.D. Even a graduate may have innovative and research oriented mind. Universities need to be restored to their originally conceived roles – as facilitators of scholarly activity & evolution of thought, - unhampered by technically rigid frame works.

## **Best Practice 2**

### **1. Title of the Practice: “Sports Culture”**

#### **2. Goal**

Along with the goal of academic excellence, the College aims at developing talent of its students in sports to seek their holistic growth. As in academics, here too, the College strives to provide State and National opportunities to the students and trains them with good facilities.

#### **3. The context**

The purpose of education is to develop skilled human resources by increasing capacity of individuals to achieve core competencies in their selected fields. Keeping this goal in view, the College has developed a network of systems in multi-areas of sports along with academics to provide wider choice to individuals for their versatile & multidimensional growth. Ultimately the mission is to give the nation excellent sports persons and contribute towards building good human resource of the nation.

#### **4. The Practice**

The college is well known for its sports in CCS University, Meerut. The College provides basic infrastructure and training in around 16 games. Which are as follows:

Athletics	Badminton	Basket-ball	Cricket	Hand Ball
Chess	Football	Hockey	Kabbadi	Kho-kho
Wrestling	Yoga	Power lifting	Table tennis	Volley Ball
Tug of war	-	-	-	-

To impart training, the College uses its courts & grounds of the campus.

#### **5. Evidence of Success**

Every year, a good number of students participate in district and state level sports events and bring awards to the college. Presence of Sanatan Dharm College at national level can also be seen at a glance with the help of following list of events which reflect the success achieved by the College for the betterment of sports culture in Sanatan Dharm College.

#### **Achievements in session (2012-13):**

##### **(A) National/International level:**

##### **(B) Performance chart of team in the tournament of CCS University:**



Event	Tournament	Venue	Number of Participant	Status	Name of Candidate Selected for CCS University
Kho-Kho (Girls)	Ch. Charan Singh University Tournament	S.D College of Commerce, Muzaffarnagar	12		Priti of BSc(H.Sc) II and Ruchi of BSc (H.Sc) II
Cross Country(Boys/Girls)	Ch. Charan Singh University Tournament	Ch. Charan Singh University, Meerut		Championship	Sachin Pal of BA III
Athletics (Boys)	Ch. Charan Singh University Tournament	Meerut College, Meerut	15		Sachin Pal of BA III Shekhar Chand of BA III Ku.
Athletics (Girls)	Ch. Charan Singh University Tournament	Meerut College, Meerut	15		Ruchi of BSc(HSc) II

**Achievements in session (2013-14):**

**(A) National/International level:**

**(B) Performance chart of team in the tournament of CCS University :**

Event	Tournament	Venue	Number of Participant	Status	Name of Candidate Selected for CCS University
Kho-Kho	Ch. Charan Singh University Tournament	Shahid Mangal Pandey Govt. Girls College, Meerut	02	-	Preeti of BSc.(HSc) III Ruchi of BSc(HSc) III and Swati of BCom I
Hockey	Ch. Charan Singh	Ch. Charan Singh	01	Trail	-

	University Tournament	University, Meerut			
Athletics (Boys)	Ch. Charan Singh University Tournament	Meerut College, Meerut	15	-	Sachin Dev Bharti of BA I
Athletics (Girls)	Ch. Charan Singh University Tournament	Meerut College, Meerut	15	-	Ku. Shalu of BA I Ku. Swati of BCom I
Cricket (Girls)	Ch. Charan Singh University Tournament	Meerut College, Meerut	06	Trail	Ku. Monika Chaudhary of BA I, Ku. Nishi of BA III and Ku. Gulshana of BA III
Base Ball (Girls)	Ch. Charan Singh University Tournament	Meerut College, Meerut	08	Trail	Rakhi of BA III and Ku. Jyoti of BA III
Basket Ball (Boys)	Ch. Charan Singh University Tournament	Meerut College, Meerut	08	Trail	Nitesh Kumar of BA III Javed of BCom III, Dharmendra of BSc III
Cross Country (Boys/Girls)	Ch. Charan Singh University Tournament	Ch. Charan Singh University, Meerut	05	Champi onship	Ku. Shalu of BA I Sachin Dev Bharti of BA I

**Achievements in session (2014-15):**

**(A) National/International level:**

**(B) Performance chart of teams in the tournament of CCS University:**

Event	Tournament	Venue	Status	Number of Participants	Name of Candidate Selected for CCS University

Soft Ball (Boys)	Ch. Charan Singh University Tournament	M.M.H College , Ghazia bad	Trail	05	Vijay Kumar of BA II
Athletic (Girls)	Ch. Charan Singh University Tournament	Meerut College , Meerut	-	12	Ku. Shalu of BA II
Football (Boys)	Ch. Charan Singh University Tournament	Meerut College , Meerut	-	16	Vaibhav of MA II Sanjeev of MA II Manoj of BA II Ravi Shankar of BA II Mahesh of BA I Shivank Chaudhary of BA I

**Achievements in session (2015-16):**

**(A) National/International level:**

**Achievement at University level:**

Event	Tournament	Number of Participants	Name of Candidate Selected for CCS University
Football	Ch. Charan Singh University Tournament	16	Shekhar of BA III Rahul of BA I Himanshu of BA II
Hockey	Ch. Charan Singh University Tournament	01	Akshay of BA I
Kho-Kho (Male)	Ch. Charan Singh University Tournament	02	Mohd. Arif of BA III
Athletics (Female)	Ch. Charan Singh University Tournament	12	Ku. Shalu of BA III Ku. Shalu of BA III

Athletics (Male)	Ch. Charan Singh University Tournament	02	Sachin Dev Bharti of BA III Satyam Chaudhary of BA I
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## 6. Problems encountered & Resources Required

- The College has to manage all the expenditure incurred on the training and providing facilities to the students. It does not get any support from the Government or the State Federations and associations on regular basis.
- It requires regular grant from the state agencies for the smooth conduct of its programmes.

### Purpose of NET/SET cell:

We have a very specialized cell named NET/SET cell which is running successfully. Since its establishment many students from different disciplines /streams have qualified the Exam of NET/SET. They are getting junior Research fellowship JRF/SRF and are engaged in research programs. The cell is being run successfully by the college.

### Other Best Practices:

#### Spreading Tolerance and Brotherhood

- The college celebrates the birthdays of inspirational personalities like Maharana Pratap, Dr. B.R Ambedkar, Subhash Chand Bose, Mahatma Gandhi, J.L Nehru, and Dr. Radha Krishnan etc.
- Seminars and lectures are held to spread their teaching among the students. Students are motivated to follow the values which the lives of these great men teach us.
- **Performing Havan:** At the beginning of the academic session havan is performed by the students of the Sanskrit departments under the guidance of their teachers. Saraswati pooja is also performed.
- **College Magazine:** It gives a chance for the students & teachers a platform to voice their feelings and express them. The magazine is published annually with three sections: Hindi, English and Sanskrit.
- **N.S.S:** One unit of N.S.S. has been successfully rendering its valuable services to create awareness among the rural villagers.
- **IGNOU:** The College has been successfully running IGNOU Study Centre under the coordinator ship of Dr. S.C. Varshney with his team. At present 351 learners are benefitted from this centre.
- **Women Cell:** There is a women cell in the college to deal with the problems of women (staff as well as students). It also ensures a safe environment for all women in the college. Any form of sexual harassment is severely penalized. Eve teasing is almost eradicated from the campus. There is an atmosphere of discipline in the campus.

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