



**HINDU COLLEGE
UNIVERSITY OF DELHI**

**FEEDBACK ACTION TAKEN REPORT FOR
ACADEMIC YEAR 2021-22**



Hindu College
Feedback Action Taken Report
2021-22

Hindu College is committed towards academic and administrative excellence and this commitment has won the college immense recognition in the form of exemplary rankings by NIRF (2nd Rank), India Today (1st in Arts & Sciences Streams and 2nd in Commerce), A+ accreditation by NAAC in the first cycle. The institute believes in holistic growth and therefore has been dedicating continual efforts towards improving and assessing itself on the basis of feedbacks received from various stakeholders. The IQAC has channelized efforts towards making *quality* the defining element of higher education in India through a combination of self and external quality evaluation, promotion and sustenance initiatives and in this endeavor has devised a mechanism of collecting regular feedbacks from students, visitors, alumni and staff which has been used, analyzed deeply for planning and executing the following improvement/developmental plans.

(I) Infrastructural Development

Today, Hindu College continues to take new strides into the future with a vision that combines the inherited legacy and an understanding of the challenges of the contemporary world. The College has made rapid strides in developing and upgrading its infrastructure in the last few years and has added a new Centre for Interdisciplinary Research, a state-of-the-art auditorium, a new academic block covering about 58,000 sq. ft. which includes science labs, lecture theatres, and seminar rooms, and a new amphitheater named Utsav, built in the Romanic style, to its list of world-class facilities. Besides, the College is also building a new state-of-the-art library where students and faculty members will have access to world-class research infrastructure and access to lakhs of books and journals from all over the world.

Prime Highlights

State-of Art Research Centre

First of the kind in entire Delhi University, the institute itself hosts a state-of-the-art Research Center scrolling 38000 sq feet area having a high end 12 well equipped science research lab. These lab labs are housing sophisticated instruments FTIR, EDXRF, Tunable light source, UV-VIS Spectrophotometer, CO₂ /O₂ incubation, stability chamber, environment

chamber, spin coater etc. in addition to these research labs there are nearly 20 well equipped science laboratories for conducting regular experiments aspart of curriculum.



Green Chemistry Network Centre

The institute has the Green Chemistry Network Centre which is working for the popularization of Green Chemistry in India and for doing so is organizing series of International as well as National workshops, conferences, seminars and most importantly conducting high quality research in Green Chemistry, Catalysis and Nanotechnology- the areas which have seen Nobel prize winners in the recent decades. The research has created a global impact and won accolades in the form of highly cited researchers and publications in top ranking journals including Chemical society Reviews, Green chemistry, Materials Horizons, Dalton Transactions, Coordination Chemistry Reviews etc.



Objectives of GCNC

- Build a Green Chemistry Network
- Prepare and disseminate the GC Material
- Design trainings
- Take up Green Chemistry Research Projects (CSIR, UGC, DST, DBT, INDUSTRY)
- Setting up of GCNC Laboratory (Ministry of Textiles)

(II) Research Projects

The college has been awarded and runs various research projects funded by various agencies like DST, DBT, DRDO, ICSSR, Ignite INC., USA etc. in the area of Wastewater remediation, and environment related concerns.

- Hindu College has tied-ups with Reckitt Benkiser, the leading consumer goods company, and some of the students working as RA under this collaborative project.
- The College has initiated various Innovation projects to promote research among the students and to bridge the gap between academics and research.
- In the present scenario India has a large demand of fuel import and government is making short term and long-term policies, keeping solar energy as a key factor as a solution. The geographical location of India is a big advantage for solar energy implementation. However, the socio-economic scenario of India demands affordable solar energy. At Hindu college we are doing research on flexible organic based solar cells, which are efficient and economical. This project has been funded by SERB. Any success in the project will contribute significantly to Indian need of energy and also contribute worldwide.

(III) New Initiatives

(i) Hindu Innovation Council (HIC) & Start-up Cell

The institute was selected by the MoE to set up the Hindu Innovation Council, where student-teacher teams are working on new and innovative ideas that require support to be transformed into prototypes. This initiative is aimed at encouraging the local innovation ecosystem, and the setting up of the research center has played a pivotal role towards further facilitating the pursuit of research and development at the institutional level.

The **Hindu college innovation and startup cell** promotes start-up, innovation, ideation, entrepreneurship activities etc. and conduct various entrepreneurship and innovation related events. It identifies, recognize, and reward innovation and organize periodic workshop, seminars, webinars including interactions with entrepreneur, investors, professionals etc. and create a mentor pool for student/faculty innovators. Hindu college features in National Innovation and Startup Portal of Ministry of Education and one of the most active members.

IONUVA innovations: This startup at Hindu college is launched under National Innovation and startup policy of Ministry of Education, Government of India. It is actively engaged in designing and production of healthcare products aimed at meeting the demands of larger needs of the society. With this spirit, a UV-C disinfection machine was developed by the startup, which is certified by Shriram institute for industrial research and tested at LASTEC division of DRDO.

Hindu College Innovation Council : An Initiative to shape the Innovation Ecosystem



Promotion of innovation through start-ups- HCISC



UV-C Disinfection Machine
IONUVA Innovations – First Startup launched in collaboration with IIT Delhi
Recognised by Ministry of Commerce

(ii) Sustainable Collaborations

To take the college to further heights and acquire global recognition, the institute has initiated student exchange programmes, certificate and add-on courses in various disciplines—many of these initiatives are in collaboration with reputed foreign institutions and universities such as NUS, Singapore, King's College London, York University, U.K., to name a few.

- Very recently, it was awarded the Going Global Exploratory Partnership Grant along with University of York, UK and has successfully completed the first round of activities (curriculum designing) and has also applied for higher grants to facilitate international student exchanges etc. There are also several other projects in the pipeline.
- The college also has strong collaboration with Ultra International Ltd. Being impressed with the capabilities, an exclusive course in the curriculum of Delhi University on fragrances has been initiated which has been a repercussion of the close collaborative work.
- The college has also collaborated with TRI, a start up with a high potential company and important projects have already been initiated focusing on rare earth elements recovery, biopesticides etc.
- Save the Environment, a Kolkata based NGO has also entered into close collaboration with the college and has been conducting several international as well as national workshops and conferences focusing in the area of environmental remediation.
- Collaboration with confederation of Indian Industry, young Indians (CII-Yi)) has given students an opportunity to entrance their leadership skills and operationalize projects that are based on self-development, skill building, community service and nation building.



(iii) IT Facilities

Hindu College has the state-of-the-art computing resources, adequate IT facilities and network across the campus. The institute has directed efforts towards furthering updating all the IT facilities over the past few years with latest equipment/software and currently provides high speed leased line with bandwidth as high as 300 Mbps. The coverage of Wi-Fi is not restricted to classrooms only but indeed the entire campus, extending to all important areas like Research Centre, Sangneria Auditorium, New Science Block, Library, Cafeteria, Guest House, Sports Complex, Hostels and administrative offices.

With the interdisciplinary research centre becoming fully operational in the college, an Airtel-UL-XStream Basic 799 with Unlimited GBPS (100 Mbps/1024 Kbps) combo plan with fiber 01112212711_dsl is being followed which offers maximum download and upload speed of 27.12 Mbps and 30.93 Mbps respectively. All the computers have wireless cards and to ensure that the entire college has undisrupted connectivity, a Wi-Fi controller is located in the Main Server Room.

(iv) Add on-Courses/Certificate Courses

In the year 2022, the college has taken grand initiatives towards running several value-added courses in collaboration with IIT Delhi which have theoretical as well as research components. The undergraduates are being trained and working

on research projects on Green Energy (particularly, recovery of valuables from spent/waste lithium batteries using green techniques) and Hydrogels (Synthesis and insights into structure through spectroscopy). Recently, a Certificate course on “Developing the Skills to Meet Sustainable Development Goals” under the theme “Green Chemistry Education Today for a Sustainable Tomorrow” was initiated by Hindu College and Green Chemistry Network Centre, University of Delhi to equip students with the creative bent of mind to understand and practice Green Chemistry and develop skills to meet SDGs. This course can be credited to the “Going Global Partnership Exploratory Grant” being offered by British council and intends to develop a joint programme of study, delivering a significant course on Green Chemistry that meets global standards.

Aligned with the NEP 2020 vision, the institute has directed increasing emphasis on research and digitization which speaks volumes about its futuristic vision, and it can be unarguably stated that Hindu College is well prepared and committed to take on the challenges of the present and the future, and to carry forward its illustrious legacy of being one of finest centres of higher education in the country.