

Information for the 98th ANNUAL REPORT (2020-21)

University of Delhi

1. Name of The College: Ram Lal Anand College

2. Major Activities and Achievements:

The Academic session 2020-21 remained productive despite the lockdown due to ongoing pandemic. While uncertainties still persist, we remained focused on our ambitions and dedicated towards creating a culture of academic excellence keeping a regular dialogue with different stakeholders. The faculty smoothly made a transition to online mode of teaching. The College enhanced its IT support and infrastructure. The students and faculty were provided with G-Suite account facility with Institutional email IDs for online classes and to have Google classroom access. A **FDP on ICT Tools and LMS** was conducted for all faculty members before the start of academic session 2020-21 to facilitate online teaching covering all platforms including Google Meet, Google Classroom, Canvas, JioMeet, Zoom, Photo and Video Editing tools.

The pass percentage of outgoing batch 2017-20 was 93.1%. In 2020-21, a total of 871 admissions were done against 886 sanctioned seats in various programmes. An online Orientation Program for new students enrolled in 2020-21 was held on 20th November 2020 using the Zoom platform that was attended by more than 600 students and parents. For Open Book Examinations of final year students, all necessary information and advisories were regularly shared with students through a dedicated tab on the website, email and class Whatsapp groups. Students have been given remote access to Library Resources via NList membership so that they can have reading material access at home. For Visually Challenged students, the prescribed books were shared after being converted to VH readable E-Texts.

For curriculum enrichment, **the college offered 21 skill development certificate courses** for students (without any additional fees) in online mode so as to utilize the lockdown Period constructively. Also, there were a total of 749 certificate course

completions including 13 specialised courses by students and faculty on Coursera platform.

For physical and mental fitness of students and staff , a course on **Yoga and meditation** has been running since 1st June 2020 in online mode. The **Human values, Ethics and Life Skills** course was also offered in online mode to all semester I students. Three new short term courses for preparation of Entrance examinations (CAT , PO, SSC, Civil services etc) were conducted by CCPC. Among other new initiatives, a **Book bank Facility with** a provision of complete set of course books for needy students of all programmes has been financially approved by Governing Body. A **Gender Sensitization Committee** has been constituted under the staff council. Two new journals “Asmi” and “Journal of Human Values, Ethics and Life Skills” (multi-disciplinary) have been approved.

The college has also started an **Endowment Fund** under which donations of INR **8 lacs has been received** from the college this year from stakeholders and public. The funds received will be utilized for the purpose of scholarships or awards for the meritorious students.

Long pending process of **Promotions of 36 faculty members** from Stage 1 to Associate Professor levels have been completed. No backlogs of promotion cases is pending. **3 members of Non-teaching staff** were granted financial upgradation under MACP, **4 Non- teaching staff have been promoted.**

During this academic session, **one International Conference, 3 National Conferences, 8 International Seminars, 4 National Seminars, 7 Alumni lectures, 5 faculty/professional Development Programs and 11 workshops** have been conducted.

An amount of **INR 24.54 lacs have been sanctioned to make the campus barrier-free** for students with disability. Installation of a 100KW Solar Plant on college roof top has been approved. A grant of **INR 50 lacs has been approved for development of Studio Theatre from Ministry of Culture, Government of India.**

3. Honors/Distinctions

- **Gandhi study Circle of RLA College** secured 1st position in the field of spreading Gandhian values on the basis of the events and activities of 2019-20 session in the University. The College Principal Dr R. K. Gupta, Gandhi study Circle Convener Late Dr Devendra Kumar and Student President Deepak Trivedi of B.A (Hons) Hindi Patrakarita Evam Jansanchar, were awarded by Honourable Vice Chancellor Prof. P. C. Joshi on 2nd October 2020 at Gandhi Bhawan, University of Delhi.
- **Dr. Vandana Gupta**, Conferred “International Distinguished Women Scientist award” for superior performance in Microbiology Conferred by Center for Professional Advancement, Vijayawada, Andhra Pradesh, 8th March 2021
- **Ms. Sakshi Taresh Khanna**, Best Teacher Award 2020 by InSc (Institute of Scholars), 20th November 2020
- **Ms. Shikha Verma**, Summer Faculty Research Fellow Programme 2020, 30th July 2020 IIT Delhi.
- **Mr. Arun Kumar Gautam**, Summer Faculty Research Fellow Programme 2020, 30th July 2020, IIT Delhi.
- **Dr. Shachi Meena, Department of History** successfully defended Ph.D (Title: Trade Routes, Transportation and Travellers in Mughal India during Seventeenth Century) and conferred Ph.D Degree on 24th May 2021
- **Dr Pratik Kumar, Department of History** Successfully defended Ph.D (Title: Many Faces of Kṛiṣṇa: Representations in Premodern Sanskrit and Braj Traditions) and conferred Ph.D Degree on 24th June 2020.

4. Students with Distinctions

- i) Ms. Simran Preet Kaur, B.Sc. (H) Microbiology, III Year, awarded “Best Student” of the academic session 2020-21 by Microbiologists Society of India.
- ii) Kastur Parida, B.Sc. (Hons) Geology, awarded the University Gold Medal and certificate in the 97th Convocation ceremony held on 27th February 2021.
- iii) Mr. Akash Nair and Ms. Jyoti Jangra, B.Sc. (H) Geology got selected as a grant recipient of \$500 under L. Austin Weeks Undergraduate Grant Program.

- iv) Ms. Shreya Shukla III Year and Ms. Sanjana Kumari II Year, B.Sc. (H) Geology got selected as coordinators of American Association of Petroleum Geologists Foundation (AAPG) Student Chapter, University of Delhi.
- v) Two of our students cleared IIT-JAM (2020); Mr. Akash Nair ranked AIR-58 and got placed at IIT Kharagpur and Ms. Aarushi Rawat ranked AIR-62, placed at ISM (IIT Dhanbad).
- vi) Nikhil Gupta, B.Sc (H) Microbiology, awarded Inspire Scholarship under Scholarship for Higher Education (SHE).
- vii) Chanuka Nisalanka Wijewardana, B.Sc (H) Microbiology, awarded Nehru Memorial Scholarship Scheme for International students by Indian council for cultural relations (ICCR).
- viii) Pritika Baranwal, B.Sc (H) Microbiology, Shortlisted for presenting the idea in Nature Hack for Clean Air Hackathon to look for innovative ideas towards nature based innovative solutions for clean air organized by Clean Air Asia India on 5th June 2020.
- ix) Priya Bhatia, B.Sc (H) Microbiology, awarded “Best Speaker” for National Level Microbiopodium Contest organized by Government Institute of Science Aurangabad on 8th February 2021.
- x) Ujjwal Sharma, B.Sc (H) Microbiology , participated in a National level camp of NCC – “Ek Bharat Shreshtha Bharat Camp”, which was held online from 13th to 20th August, 2020
- xi) NSS volunteers, Lokesh and Gaurav participated in State Level Youth Festival, organized by Directorate of Education, Government of National Capital Territory from 1st January 2021 to provide Youth with a stage to showcase their talent from Narrative Poetry to Creative Writing.
- xii) Lakshay Chabhra bagged Elite + Silver Grade in NPTEL Course; Bhomik Kaushik and Anushka Singh got Elite Grade in NPTEL courses

5. Publications

5.1. Research Articles (60): Selected List as below

5.1.1. Articles indexed in Scopus (UGC Care List II)

- i. Ali, S., Shekhar, S., Chandrasekhar, T., Yadav, A.K., Arora, N.K., Kashyap, C. A., Bhattacharya, P., Rai, S.P., **Pande, P.**, Chandrasekharam, D. (2021). Influence of the water–sediment interaction on the major ions chemistry and fluoride pollution in groundwater of the Older Alluvial Plains of Delhi, India. *Journal of Earth System Science*, 130(98),1-16. <https://doi.org/10.1007/s12040-021-01585-3>. (Impact Factor 1.423)
- ii. Al-Solamy, F. R., **Bansal, P.**, Chen, B. Y., Murathan, C. , Shahid, M.H. (2020). Geometry of chen invariants in statistical warped product manifolds. *International Journal of Geometric Methods and Modern Physics*, 7(06), 2050081, ISSN 0219-8878, 1793-6977. (Impact factor 1.874)
- iii. **Bhatia, P., Sharma, A., George, A.J., Anvitha, D., Kumar, P, Dwivedi, V.P., Chandra, N.S.** (2021). Antibacterial activity of medicinal plants against ESKAPE: An update. *Heliyon*, 7(2). e06310. DOI: 10.1016/j.heliyon.2021.e06310. Scopus Indexed (UGC CARE LIST II)
- iv. **Jain, R.** and Kumar, S. (2021). National Cadet Corps (NCC): Its Role in Integrating North Eastern Region (NER) with Mainstream India. *Indian Journal of Public Administration*, 67(1). <https://doi.org/10.1177/00195561211006558>.(UGC CARE list Group II)
- v. **Kaur, S.P., Gupta, V.** (2020) COVID-19 Vaccine: A comprehensive status report. *Virus Research*, 288,198114. doi: 10.1016/j.virusres.2020.198114. (Impact Factor 2.934)
- vi. **Kuhad, U.,** Goel, G., Maurya, P.K., Kuhad, R.C. (2020). Sukshmajeevanu in Vedas: The Forgotten Past of Microbiology, Indian Vedic Knowledge. *Indian Journal of Microbiology*, 61(1),108-110. (Impact Factor 0.9).
- vii. Móring, A, **Hooda, S.**, Raghuram, N., Adhya, T.K. et al (2021). Nitrogen challenges and opportunities for agricultural and environmental science in India. *Frontiers in Sustainable Food Systems*, 5, 505347. doi: 10.3389/fsufs.2021.505347 (Scopus Indexed)

- viii. **Sakshi, K.** (2020). The challenged digital capacity of India is now a state of a living in lockdown. *Aegaeum Journal*, 8(9), 291-301. doi: doi:16.10089.AJ.2020.V8I9.285311.40925. (UGC CARE Group II)
- ix. **Sakshi, K., Bhomic., S, Kumar, N., Gandotra, V.** (2020). FEEDU-Android Based One Stop Solution for Feedback Analysis. *Aegaeum Journal*, 8(8), 694-707. doi:16.10089.AJ.2020.V8I8.285311.3969. (UGC CARE Group II)
- Dabas, S.C.** (2021). Dinkar ka Virtav Bhav aur Aapaddharm. I JAEMA, XIII 81-83, ISSN 0886-9367 (UGC-Care LIST II).
- x. **Sharma, B., Shahanshah, M.F.H., Gupta, S., Gupta, V.** (2021). Recent advances in the diagnosis of COVID-19: A bird's eye view. *Expert Review of Molecular Diagnostics*. 21(5), 475-491. doi: 10.1080/14737159.2021.1874354. (Impact Factor 4.096)
- xi. **Singh, A., Gupta, V.** (2021) SARS-CoV-2 therapeutics: how far do we stand from a remedy? *Pharmacol Rep*. 3,1–19. doi: 10.1007/s43440-020-00204-0. (Impact Factor 2.754)

5.1.2. Articles in UGC care List I Journals

- i. **Dabas, S.C.** (2021). Swawlamban aur Gandhiji. *Samsaamyik Srijan*, 21:18-19, ISSN 2320-5733 (UGC-Care listed).
- ii. **Dabas, S.C. and Kumar, S. (2021).** Gandhi Ji Ke Atamnirbharta Ke Adarsh Ki Vartamaan Prasangikta. *Jyotirverd Prasthanam*, 10 (1), 05-08, ISSN 2278-0327 (UGC-Care listed).
- iii. **Dabas, S.C. and Kumar, S. (2021).** Hindi Kavita Main Nayi Sambhavnao Ka Dwar Kholdi Krati ‘Zaroorat Khawaab Dekhne ki’. *Jyotirverd Prasthanam*, 10(1), 53-56, ISSN 2278-0327 (UGC-Care listed).
- iv. **Kumar, R.** (2020). Dharmsatta Rajsatta aur seekari Ke Sant: Sharad Joshi Ki Vynagya Drishti. *Shodh Disha* 51:102, ISSN 0975-735X. (UGC-Care list 1).

- xv. **Kumar, S.** (2021). Gandhi Ji ke Atamnirbharta Sambandi Vichar. *Jyotirverd Prasthanam*. 9 (4), 68-71, ISSN 2278-0327. (UGC-Care list I).
- xvi. **Kumar, S.** (2021). Rashtriyata ki Bhawana ke Vikas mein Hindi Sahityaka Yogdan. *Jyotirverd Prasthanam*, 9 (6), 37-42, ISSN 2278-0327. (UGC-Care list I).
- xvii. **Kumar, S.** (2021). Vaishvik Pridrishya Mein Yogki Prashangikta. *Jyotirverd Prasthanam*, 9 (5), 33-36, ISSN 2278-0327. (UGC-Care list I).
- xviii. **Kumar, S., Pandey, A.K.** (2021). Shivshambhu ke Chithe:Praja ke Prati Shashak ki Jwabdehi ki Mang. *Jyotirverd Prasthanam*, 9 (5), 85-87, ISSN 2278-0327. (UGC-Care list I).
- xix. **Kumar, S., Pandey, A.K.** (2021). Pandit Balkrishan Bhatt ka Sahitya aur Hindi Navjagaran. *Jyotirverd Prasthanam*, 10 (1),100-103, ISSN 2278-0327. (UGC-Care list I).
- xx. **Kumar, V.** (2020). Mahad Satyagrah: The Declaration of Equality. *Sambodhi*, 43 (04), 29-33.(UGC CARE List I)
- xxi. **Kumar, V., Lata, K.** (2021). Cultural Tourism, Hospitality and Cultural Development. *Jijnasa: A Journal of the History of Ideas and Culture*, 38 (3), 1-3. (UGC CARE List I)
- xxii. **Meena, S.** (2020). The Dynamic Cohesion of the Mughals and the Traders in the Altering Political Scenario. *Adhigam*, 15: 111-118, ISSN 2394-773X. (UGC-Care list I)
- xxiii. Singh, S., **Bhatt, S., & Singh, S.** (2021). Cubic B-spline collocation method on non-uniform mesh for solving nonlinear parabolic partial differential equation. *Computational Methods for Differential Equations* (Accepted), (UGC-Care list 1).
- xxiv. Snigdha, S., Bajwa, T., Anand, S., Mohan L., Goyal, K., Mittal, M., **Gupta, K.R., Wahlang, J. Gupta, R. K.and Diwan, P.** (2021). A

Cross-sectional Study on Prevalence of Betel nut Chewing Among the Youth of Meghalaya, North East Region of India: Development of Multifaceted Prevention Strategy: Prevalence of Betel Nut Chewing Among the Youth of Meghalaya” Accepted for Publication in *Asian Pacific Journal of Health Sciences*, ISSN 2350-0964; E-ISSN 2349-0659 (UGC CARE LIST I)

5.2. Books/Chapters published by faculty (35)

- i. Arora, Chitalkar, S., **Malhotra, P.** (2021). Delhi Riots 2020: The Untold Story. Garuda Prakashan, New Delhi.
- ii. **Bansal, P.**, Fernandez, L.M., Aquib, M. (2021). The slant submanifolds in the setting of metric f -manifolds, In proceedings: Advances in Intelligent Systems and Computing. Springer, ISBN 978-981-13-1591-6 , 978-981-13-1592-3.
- iii. **Bhardwaj, D.**, (2020). Business Communication, Dreamtech Press, New Delhi. ISBN 978-81-94-7804-9-6
- iv. **Dabas, S.C.**, (2020). Manavta ke sacche sadhak: Gandhiji. In Devendra Kumar (Eds.) Gandhi Across the Boundaries, pp: 164-170. Shivalik Prakashan, Delhi India, ISBN 978-81-945562-1-3.
- v. **Diwan P. Gupta, R. K.** (2021). Substantial Thrust to Indian Rural Economy through Village Dairy Cooperatives as Envisaged by Gandhi. In Devendra Kumar (Eds.) Self-Reliant India: A Gandhian Perspective, pp. 80-96, Shivalik Prakashan, Delhi India, ISBN 978-93-87195-86-8.
- vi. **Dutta, P.** (2021). The Psychological Representation of Partition: Agency of Religion as Portrayed in Train to India: Memories of Another Bengal and Lajja. In Munni Deb Mazumder (Eds.), Partition of India and its Roots and Legacy: Memory and Trauma, pp 113-122, EBH Publishers, Guwahati. ISBN 978-93-90-434-68-8
- vii. **Gaur, A.** (2020). Swadhyaya: Yuva sanskriti. In : Gandhi: Across The Boundaries, pp. 175-178, Shivalik Prakashan, Delhi, ISBN 978-81-945562-1-3.

- viii. **Gaur, A.** (2021). Gandhi Darshan ke paripekshay mein atmanirbhar bharat. In Devendra Kumar (Eds.) *Self-Reliant India: A Gandhian Perspective*, pp: 23-28, Shivalik Prakashan, Delhi India, ISBN 978-93-87195-86-8.
- ix. Ghildiyal, R., Prakash, V., Chaudhary, V.K., **Gupta, V.**, Gabrani, R. (2020) *Phytochemicals as Antiviral Agents: Recent Updates*. In: Swamy M. (Eds.) *Plant-derived Bioactives*, pp:279-295, Springer, Singapore, http://doi.org/10.1007/978-981-15-1761-7_12, Print ISBN 978-981-15-1760, Online ISBN 978-981-15-1761-7.
- x. **Gupta, R. K., Diwan P.** (2020). The Gandhian way of Life: An Impeccable solution to World Environmental Concerns. In Devendra Kumar (Eds.) *Gandhi Across the Boundaries*, pp: 52-62, Shivalik Prakashan, Delhi India, ISBN 978-81-945562-1-3.
- xi. **Karmakar, S.**, Sharma, R. S. and Mishra, V. (2020). Gandhian Philosophy as a driver of sustainable development. In Devendra Kumar (Eds.) *Gandhi Across the Boundaries*, pp: 130-132, Shivalik Prakashan, Delhi India, ISBN 978-81-945562-1-3.
- xii. **Kumar, N.** (2020). Quest for Recognition: Identity, Economy and Caste in Punjab. In Palaka, Provakar (Eds.) *Reading the Margins: History, Culture and Literature*. Mumbai: pp. 203-223, Peoples Literature Publication
- xiii. **Kumar, D.** (2020). *Gandhi: Across The Boundaries*. Shivalik Prakashan, Delhi, India, ISBN 978-81-945562-1-3.
- xiv. **Kumar, D.** (2021). *Essence of Acaranga*, Ibrj Publications, Delhi. ISBN 978-81-950103-1-8
- xv. **Kumar, D.** (2021). *Self-Reliant India: A Gandhian Perspective*, Shivalik Prakashan, Delhi, India, ISBN 978-93-87195-86-8.
- xvi. **Kumar, R.** (2020). Vaishvik cinema aur Gandhi. In Devendra Kumar (Eds.) *Gandhi Across the Boundaries*, pp.186-190. Shivalik Prakashan, Delhi India, ISBN 978-81-945562-1-3.
- xvii. **Kumar, R.** (2021). Imperial Ideology of the Mughals. In *School of Open Learning (DU)- Study Material Unit I-VII*, School of Open Learning, University of Delhi.
- xviii. **Kumar, R.** (2021). Mansabdari and Jagirdari System under the Mughals. In *School of Open Learning (DU)- Study Material Unit I-VII*, School of Open Learning, University of Delhi.

- xix. **Kumar, R.** (2021). Viamarsh Drishti (Pankaj Subeer ki Kahaniyan), Shivna Prakashan, Sihor, Madhya Pradesh, ISBN: 978-93-81520-78-9.
- xx. **Kumar, V.** (2021). Relevance of Gandhi's Swadeshi and Self Reliance in Contemporary India. In Devendra Kumar (Ed.). Self- Reliant India: A Gandhian Perspective, pp: 137-144, Shivalik Prakashan, Delhi India, ISBN 978-93-87195-86-8.
- xxi. Malik, G., Chaturvedi, R, **Hooda, S.** (2021). Role of herbivore-associated molecular patterns (HAMPS) in modulating plant defenses. In: Singh I.K., Singh A. (Eds.) Plant-Pest Interactions: From molecular mechanisms to chemical ecology, Springer, Singapore. ISBN (978-981-15-2466-0), Online ISBN (978-981-15-2467-7). https://doi.org/10.1007/978-981-15-2467-7_1
- xxii. **Meena, S.** (2020). Recounting Travels in Difficult Times: Observation of Gemelli Careri. In Kadam, U.K. (Eds.) Medieval Deccan: an Era of Transition (Maratha State and the Age of Conflict, Challenges and Collaboration), pp. 102-108, Lambert Academic Publishing, Berlin, ISBN: 978-620-0-50053-3
- xxiii. **Meena, S.** (2020). Contributed an article entitled 'Emergence of Rajput States in Northern India: Socio-Economic Foundation' for B.A. (Prog) II Year (History) in School of open learning study material, University of Delhi
- xxiv. **Rout, S.P.** (2020). Gandhian Values on Contemporary Global Peace. In Devendra Kumar (Eds.) Gandhi Across the Boundaries, pp. 107-111 Shivalik Prakashan, Delhi India, ISBN 978-81-945562-1-3.
- xxv. **Rout, S.P.** (2021). Atma Nirbhar Bharat in the age of Globalisation Gandhian Model. In Devendra Kumar (Ed.). Self-Reliant India: A Gandhian Perspective, Pp 163-170, Shivalik Prakashan, Delhi India, ISBN 978-93-87195-86-8.
- xxvi. Sharma S.S., **John, S. , Jain R** (2021). Swadeshi and Swaraj: A Shift from city to village. In Devendra Kumar (Eds.) Self-Reliant India: A Gandhian Perspective, pp: 121-130 Shivalik Prakashan, Delhi India, ISBN 978-93-87195-86-8.
- xxvii. **Sharma, P.K.** and Suri, S. (2021). Fitness and Exercise Management. Friends Publication . New Delhi, India. ISBN 978-81-7216-570-3
- xxviii. **Sharma, S. and Jain, R.** (2020). Bhartiya Gandhiwadi Mulyon ki Bhumika. In : Gandhi: Across The Boundaries, pp. 171-174, Shivalik Prakashan, Delhi, ISBN 978-81-945562-1-3.

- xxix. **Singh, R.** (2020). Emerging Opportunities and challenges in Indian Cottage Industries: A special reference to khadi Village industries. In Devendra Kumar (Eds.) Gandhi Across the Boundaries, pp: 116-129 Shivalik Prakashan, Delhi India, ISBN 978-81-945562-1-3.
- xxx. **Singh, R.** (2021). Primary Sector: The Backbone of Indian Economy, In: Mishra, J., Kumar, M. & Verma, K.K. (Eds.). Agriculture and Industry: Important pillars of Economic and Social Development, pp:70-77, Navyug Publications, Agra. ISBN 978-93-88873-11-6.
- xxxi.**Singh, R.** (2021). Role of Government to make India Self Reliant (Atma Nirbhar): A critical Review. In Devendra Kumar (Ed.). Self-Reliant India: A Gandhian Perspective, Pp 155-162, Shivalik Prakashan, Delhi India, ISBN 978-93-87195-86-8.
- xxxii. **Tiwari, A.** (2020). Kaiti Kisani mein Gandhiji ki Prasangita. In Devendra Kumar (Eds.) Gandhi Across the Boundaries, pp: 191-195. Shivalik Prakashan, Delhi India, ISBN 978-81-945562-1-3.
- xxxiii. **Tiwari, A.** (2021). Gandhi ke gaon mein Atmanirbharta ka raasta. In Devendra Kumar (Eds.) Self-Reliant India: A Gandhian Perspective, pp: 50-57 Shivalik Prakashan, Delhi India, ISBN 978-93-87195-86-8.
- xxxiv. **Tyagi, K.G.** (2020). Truth as the supreme Goal of Mahatma Gandhi and its relevance in 21st century. In Devendra Kumar (Eds.) Gandhi Across the Boundaries, pp: 112- 115, Shivalik Prakashan, Delhi India, ISBN 978-81-945562-1-3.
- xxxv. **Tyagi, K.G.** and **Kumar, S.** (2021). Self-Reliance through the Window of Ancient Indian Wisdom Followed by Mahatma Gandhi and Agenda of Government of India. In Devendra Kumar (Ed.). Self-Reliant India: A Gandhian Perspective, pp: 131-136, Shivalik Prakashan, Delhi India, ISBN 978-93-87195-86-8.

5.3. E-content/MOOCs developed:

- Dr. Rakesh Kumar, MOOC on Mughal Architecture (for Faculty) , Camera Presentation (Quadrant 1-4), under Online Annual Refresher Programme in Teaching (ARPIT), sponsored by National Resource Centre, UGC-HRDC

6. Journals

6.1. Published by the College

- i. One new journals have been approved: **Journal of Human Values, Ethics and Life Skills (Multidisciplinary)**
- ii. The E-Magazine/Journal Asmi has been launched. The first issue is available at <https://rlacollege.edu.in/pdf/asmi-e-journal.pdf>.
- i. Department of Hindi Patrakarita Evam Jansanchar published “RLA Samachar” and a hindi magazine named “Sambhav”.

6.2. Number of college teachers serving as editor/member of editorial board (6)

- i. Dr Rakesh Kumar, Department of Hindi, Vikas Patrika, S M Sehgal Foundation
- ii. Dr Sunila Hooda, Assistant Editor, Physiology and Molecular Biology of Plants.
- iii. Dr. Vandana Gupta, Editorial Board Member of J Biomed. Res. and Environmental. Science.
- iv. Dr Vijay Kumar Bhatia, Member Editorial Board, Glacier Journal of Scientific Research
- v. Pooja Bansal, Member Editorial Board, Global Journal of Guidance and Counselling in Schools
- vi. Pooja Bansal, Member Editorial Board, Global Journal of Psychology Research Member

7. Research Projects: (7)

7.1. New Projects Sanctioned (2)

- i. Targeting biofilm formation by inhibiting Cysteine biosynthesis pathway enzymes in ESKAPE pathogens with natural products"(Principal Investigator: Dr R K Gupta, Co-investigators: Dr Vibha Gupta, Dr Purna Diwan), INR 45 Lacs , 3 years. funded by ICMR, Government of India.
- ii. Resistome metagenomic profiling of bioaerosols in metro network in Delhi- NCR, (Principal Investigator: Dr R K Gupta, Co-investigators: Dr

Sunila, Dr Prerna Diwan), Technically Approved for INR 56 Lacs, 3 years by ICMR, Government of India.

7.2. On-going research Projects/Grants (5)

- i. Star College Grant to Department of Microbiology, INR 25 Lacs, 3years, DBT, Government of India.
- ii. Enhancement of Livelihood Opportunities through Sustainable Development using Multifaceted Support Plans for Village Cluster around Patiya in Takula Block, Almora District, Uttarakhand” (Principal Investigator: Dr Seema Gupta; Co-investigators: Dr Rakesh Kumar, Dr Mukta Mazumdar, Dr Rajesh Sachdev, Dr Prabhas Pande, INR 1.99 crores, 3 years, National Mission on Himalayan studies (NMHS) by MOEF&CC, Government of India.
- iii. Alterations in oral microbiome of Betel nut chewing population of North Eastern India and its Correlation with Oral Cancers: Prospecting Microbial Consortium for Therapeutic Effect (Principal Investigator: Dr Prerna Diwan; Co-investigators: Dr R K Gupta, Dr James Wahlang), INR 36 Lacs, 3 years ICMR, Government of India.
- iv. Communicating the science behind the phenomenon of antibiotic resistance to promote social awareness ((Principal Investigator: Dr Prerna Diwan; Co-investigators: Dr R K Gupta), INR 5 Lacs, 2 years, IMPRESS-ICSSR, Government of India.
- v. A study of Socio-economic and cultural impact of the left-wing Extremism (LWE) in Bastar, Chhattisgarh ((Principal Investigator: Dr Prerna Malhotra), INR 8 Lacs, 2 years, IMPRESS-ICSSR, Government of India.

8. Patents Filed/Granted - NA

9. Seminar Organised by College (12)

9.1. International (8)

- i. International webinar series was organised by the Department of Geology from 6th to 7th March 2021 The event received more than 500 registrations from different parts of the world, including the United States

of America, United Kingdom, Germany, Chile, and Sri Lanka. Speakers: Prof. Maurice E. Tucker, School of Earth Science, University of Bristol, Title: Fossil Viruses and the Role of Viruses in Earth Science; Prof. Prof. Nigel Hughes, University of California, Riverside, Title: Reconstructing the Pre-Collision History of Himalayan Margin and its Implication for Himalayan Uplift and Erosion, Prof. Ashok Sahni, Department of Geology, Panjab University, Title: Dinosaurs of India: Dead but Well; Dr. Robert Finkelman, Department of Geosciences, University of Texas, Dallas, Title: Prospects of Medical Geology and Health Impacts of Uncontrolled Coal Fires at Jharia Region.

- ii. International Webinar on Climate Change and Extremes organised on 27th February, 2021. Speaker: Dr. Shipra Jain, Post-Doctoral Research Associate, School of Geosciences, The University of Edinburgh, UK.
- iii. International Webinar Understanding Indian Diaspora: Roots, Struggles and Contemporary realities organised by the Department of English, , 5th November 2020. Speaker: Mr. Kapil Kumar, Chairperson, Faculty of History, IGNOU
- iv. International Webinar Fighting on Multiple Fronts: The Battles of the Indian Diaspora for Cultural Retention organised by the Department of English., 20th November , 2020; Speaker: Mr. Rudra Ramdial, Senior Executive, USMA Ltd. Title: Fighting on Multiple Fronts: The Battles of the Indian Diaspora for Cultural Retention.
- v. International Webinar Text to Screen: an Educational Discussion on Literature and Cinema organised by English Literary Society, in association with UDAAN, 23rd January 2021. Speakers: Dilip Shukla, Screenplay writer and Director; Kamlesh K Mishra, Winning Filmmaker.
- vi. International Webinar Principles of Ancient Indian Drama organised by English Literary Society on 08th February 2021 Speaker: Bharat Gupta, Classicist and Former Associate Prof., CVS.

- vii. International Webinar Rasa Theory organised by UBIQUITOUS, The English Literary Society, on 9th February 2021; Speaker: Bharat Gupt, Classicist and Former Associate Prof., CVS.
- viii. Two days international Interactive webinar on Lifestyle, weight management, Nutrition and Immunity from 23rd -24th June, 2020 jointly organised by Department of Physical Education and IQAC. Speaker: Dr. Rakesh Tomar, Faculty (Physical Education), KingFahd University of Petroleum & Minerals, Saudi Arabia.

9.2. National (4)

- i. **National e- Symposium on “Urban and Rural Governance: Issues and Challenges”** organized by the Department of Political Science, University of Delhi in collaboration with Adamas University on June 13, 2020. Speakers: Dr. Sebak Kumar Jana, Professor of Economics and Coordinator, UGC, SAP, DRS-1 in the department of Economics, Vidyasagar University, Midnapore, West Bengal, Title: Governance and sustainable rural development: some issues and options; Dr. Kamala Kant Pandey, Indian Institute of Public Administration, New Delhi. Member of Expert Committee to review NCR plan 2020, NCR Planning Board, New Delhi, Title: Post Covid urban Governance
- ii. **National Webinar on ' Inclusion and Disability'** on 3 April, 2021 organised by Sugam Society, in collaboration with the Department of History ., Speakers: Abhay, Research Scholar, Dept. of English, Banaras Hindu University (BHU), Varanasi, Title of the talk: Divyangta is not a barrier-Narrating the Self ; Shri T.D. Dhariyal, Former State Commissioner for Persons with Disabilities, Government of NCT of Delhi, Chair and Keynote Speaker; Dr. Chitra Kataria, Chief of Rehabilitation Services, Indian Spinal Injuries Centre, Vasant Kunj, Delhi, Title: Rehabilitation and Community Reintegration for Person with Locomotor Disability; Dr. Bipin Kumar Tiwary, OSD, Equal Opportunity Cell &

Faculty Department of Political Science, University of Delhi, Title:
Inclusion and Disability

- iii. **National Seminar, “Vartman Samay Mein Hindi”** organised on 23rd September 2020 by Department of Hindi Patrakarita Evam Jansanchar. Speaker: Shri Neeraj Kumar, Deputy Director, Department of Information. Public Relation and Language, Haryana.

- iv. **National Webinar entitled ‘Plagiarism Issues, Policies and Detection Tools’** on 25th June 2020 by Institutional Academic Integrity panel and IQAC in association with INFLIBNET; Speakers: Prof. J. P. Singh Joorel, Director, INFLIBNET.; Mr. Manoj Kumar K. Scientist - E (CS), INFLIBNET

10. Conferences organised (4)

10.1. International (1)

- i. **Two Day International E-Conference on Post Pandemic Education & Employment: Challenges & Opportunities**, 4-5 March 2021 Speakers: Prof. Mahendhiran Nair, Pro Vice Chancellor, Sunway University, Malaysia; Prof. Balram Pani, Dean Colleges, University of Delhi; Shri Bharat Bhushan, Entrepreneur and Community Activist; Prof. Inder Mohan Kapahy, Former Member University Grant Commission; Dr. Rama, Principal, Hansraj College, University of Delhi; Dr. Pratyush Vatsala, Principal, Lakshmibai College, University of Delhi; Shri Shonal Gupta, Project Head, Samarth Bharat; Shri Mukesh Shukla, Chairman, Institute of Industrial Development (IID); Shri Ravi Gupta, Advisor IID and Samarth Bharat; Shri Praveen Arya, Founder F-Tec; Smt. Sarita Duhan, Principal, Zonal Multi-disciplinary Training Centre, KVIC; Shri Shonal Gupta, Project Head, Samarth Bharat; MS Chaitra, India Studies Unit, Centre for Educational and Social Studies, Bengaluru; Professor Gautam Sen, Retd. London School of Economics and Political Science; Professor Prakash Shah, Queen Mary, University, of London;

10.2. National (3)

- i. **Two day National Conference entitled “Self-reliant India: A Gandhian Perspective”** from 28th -29th September, 2020 organised by Gandhi study circle and Gujarat Vidhyapeeth, Deemed University, Ahmedabad
- ii. **National Conference titled “Role of NCC for National Integration”** from 17-18th October 2020 by NCC. Speakers: Lt Gen. Satish Dua, Retd. PVSM, UVSM, SM, VSM. Title: Role of NCC in National Integration; Maj Gen Dilawar Singh, Former DG NYKS, Title: Role of Youth in Development of the Nation, Maj Gen Vikram Dogra, Retd. AVSM, Title: Mental endurance and perseverance, Col Sonam Wangchuk, Retd. MVC, Title: National Integration and Relevance of NCC in Unifying Nation, Col. Anup Awasthi, CO-7DBN, Title: Role of NCC in National Integration, Core Values inculcated in NCC, Role and Responsibility of Youth.
- iii. **E-summit’21** with 5 successful Entrepreneur Speakers: Saurabh Jain, Vice president at Paytm & Founder at Fun2Do Labs; Nixon Joseph- President and Chief Operating officer at SBI Foundation; Arjun Vaidya- CEO at Rd. Vaidya; Deep Bajaj- Founder Sirona and Pee buddy; Anil Khaitan - Chairman and Managing Director at Sunil Healthcare Ltd on 26th February 2021

11. Seminar/Conference Presentations (23)

11.1. International (15)

- i. **Bansal P.** (2020). Paper presentation “Geometry of Chen invariants in statistical warped product manifolds' in Virtual Math Fest (VMF 2020) organised by IMSc Chennai, India from 20-26 Jul, 2020.
- ii. **Bhatia VK.** (2021). India Central Asia in Post Covid Era” at Webinar Organized by Research Circle Malaysia on 14th March 2021.
- iii. **Bhatia VK.** (2021). New Education Policy Prospects and Opportunities at International E-Conference organized by Sangoshthi Society of from 4-5th March, 2021.
- iv. **Bhatia VK.** (2021). The New Educational Policy and Indian Education at Young Researchers International Webinar Co-Funded by Jean Martin Project

- SAPHIRE, European Union Jawaharlal Nehru University on Areas of India-EU cooperation in Higher Education: Challenges and Opportunities from 8-10 March, 2021.
- v. Bhatnagar K and **Sharma S.** (2021), "Long term Impact of Covid-19 Pandemic on Higher Education in India" Presented in 'Two Day International E-Conference on Post Pandemic Education & Employment: Challenges & Opportunities', 4-5 March 2021
 - vi. **Kuhad, U .** (2020). Invited for Special Lecture as a Resource Person on the topic, "Voices of Women in Science Fiction with Special reference to Manjula Padmanabhan's Escape" at the online 10 day International Symposium on Thought – Experimentation on Humanities, Science and Science Fiction, organised by Shri Muktanand College, Maharashtra, Indian Association for Science Fiction Studies & Indian Science Fiction Writers' Association from 20th – 30th July, 2020.
 - vii. **Kuhad, U.** (2020). Chaired session in the International Conference-Representation of Disease: Literary Responses Across Time and Space, organised by The Shakespeare's Association, (India) from - 28th – 30th June 2020.
 - viii. **Kuhad, U.** Paper Presentation on "The Shadow of Spanish Flu Pandemic on T. S. Eliot's The Waste Land" in the International Conference titled "Representation of Disease: Literary Responses Across Time and Space"-organised by The Shakespeare's Association, (India) from 28th – 30th June
 - ix. **Lal, R.**(2020), Session Convenor and presented a paper on "Deciphering the Provenance, Climate and Tectonic Settings of High Altitude Quaternary Deposits in Ladakh-NW Himalayas" in Goldschmidt 2020 which was held from 21st- 26th June 2020.
 - x. **Mishra B.** (2021). Covid 19 Pandemic: Impact and Strategies for Education sector in India Presented in 'Two Day International E-Conference on Post Pandemic Education & Employment: Challenges & Opportunities', 4-5 March 2021
 - xi. **Mishra, R.** (2020). Paper presentation "New Education Policy: Facing the Future" in the Two day International E- Conference on: Post Pandemic Education and Employment: Challenges and Opportunities, organised by Sangoshthi, Ramlal Anand College, University of Delhi, 4-5 March, 2021.

- xii. **Rishikalp N.** (2021). Nayi shishka niti kitni nayi Presented in 'Two Day International E-Conference on Post Pandemic Education & Employment: Challenges & Opportunities', 4-5 March 2021
- xiii. **Rout, S.P.** (2021). Paper presentation “European Integration and Challenges” in an International conference on “European Integration, Issues and challenges: Hungary as a case study” organized by CGSIPU, Delhi, 5th March,2021.
- xiv. Saini, P., Grewall, A. and **Hooda, S.** (2021). In Silico approach for identification of potential plastic degrading bacteria, International Conference The World Microbe Forum 2021” organized online by ASM and FEMS from 20-24 June 2021.
- xv. **Shankar, P.** (2020). Trade for Developed India: Forging Links from East Asian Experience in three Day AIB - India 2020 Conference on the Impact of International Business on Economic Growth and Revival, IIM Vishakhapatnam, 20-22nd December 2020. (International Conference, Chair: Dr Elizabeth Rose).
- xvi. **Yadav, V K.** (2020), “Does credit market intervention enhance economic outcome? Evidence from India’s Priority sector lending policy” in International conference 2020 Global development Finance virtual conference- Africa growth institute.

11.2.National (5)

- xvii. **Bhatia VK.** (2020), Panellist in online Panel discussion on Global Coherence and World Order organized by the Confederation of Young Leaders on 22nd November 2020
- xviii. **Kuhad, U.** (2020). Paper Presentation in the National Webinar on “Multidisciplinary Approaches to Folk life: Challenges and Perspectives” - Title “Haryanvi Folk Songs: Casual Expressions to Organized Performances on Nov 2020.
- xix. **Kuhad, U.** (2021). Invited for Special Lecture (online) as a Resource Person on the topic,” Women Writers from America” on 18th June’21, Organized by SGT University.

- xx. **Kumar, R.** (2021). Resource Person, Title of the talk “Self Sufficient Villages through Organic and Sustainable Agricultural Practices” in a National Conference on Natural and Cultural Ecosystems Maharaja Agrasen College. (University of Delhi).
- xxi. **Kumar, R.** (2021). Resource person, Webinar on “ Remembering Savitribai Phule : Visions and Contributions” on 8th January 2021 organised by Ambedkar Study Circle and Internal Quality Assurance Cell, Shyam Lal College, University of Delhi.

11.3.University level (3)

- xxii. **Diwan, P.** (2021). Resource person in a workshop for faculty, “AQAR Format 2019-20 and Before ” 25 May 2021, organised by PGDAV COLLEGE, University of Delhi.
- xxiii. **Kumar, R.** (2020). Invited Lecture on Mughal Painting:A Visual Expression of Imperial Ideology in Itihaas Manthan on 6th November 2020 organised by Satyavati College, (University of Delhi)
- xxiv. **Kumar, R.** (2021). Resource person in a workshop for faculty, “AQAR Format 2019-20 and Before” 25 May 2021, organised by PGDAV COLLEGE, University of Delhi.

12. National/International MoUs Signed (1)

- Renewed the MOU with THSTI for the ongoing Science Setu program. Period of validity: 5th August, 2020 to 4th August, 2023

13. Other Inter-Institutional Collaboration

- Translational Health Science and Technology Institute (THSTI), Faridabad under Science Setu MoU
- National Institute of Plant Genome Research (NIPGR)
- Gandhi Smriti and Darshan Samiti, Rajghat, New Delhi.
- Research Collaboration with St Edmunds College, Shillong, Meghalaya.
- Research Collaboration GGS Indraprastha University, New Delhi.
- Research Collaboration Department of Biotechnology, Jaypee Institute of Information Technology, Noida, India.

- Collaboration with Jean Monnet Module and Centre for European Studies, Jawaharlal Nehru University to promote European Studies in India.
- Centre for Innovation in Infectious Disease Research, Education and Training, University of Delhi South Campus, Benito Juarez Marg
- Department of South Asian Studies, University of Delhi
- Gujarat Vidyapeeth (Deemed to be University) Ahmedabad, Gujrat
- Department of Political Science, , University of Delhi and Department of Laws, BPS Mahila Viswavidyalaya, Khanpur Kalan, Haryana
- Teaching Learning Centre, Ramanujan College, University of Delhi

14. Students Under Exchange Program

- Mr. Akash Nair and Ms. Jyoti Jangra, B.Sc. (H) Geology got selected as a grant recipient of \$500 under L. Austin Weeks Undergraduate Grant Program.

15. Placement Details

- Number and percentage of students placed: 11 and 2 short listed for placement
- Number of Companies visited for campus recruitment: 5
- Number of Internships offered: 72

16. Extension And Outreach Activities

- **Covid Support:** NSS Unit of RLA organized a donation drive in the college campus from 18th to 25th January 2021. NSS also started a helpdesk for blood, plasma and bed availability in DELHI-NCR region via the college website and various social media handles.
- Dr. Vandana Gupta, Department of Microbiology, started an online community outreach project “UDISHA: A New Dawn an HPV vaccine awareness initiative” in Jan 2021. Under this webinar **UDISHA: An HPV Vaccination Initiative**, was held on on 22nd March 2021.

- A Cancer awareness talk on 22nd March 2021 organized by Department of Microbiology, in association with Rajiv Gandhi Cancer Institute and Research Centre.
- Department of Commerce initiated a plantation drive on the 26th of April, 2021. The motto of the event was to make each day “The Earth’s Day” and to create environmental awareness in community.
- Dr. Ravish Lal, Assistant Professor, Department of Geology, was one of the coordinators under IIRS-ISRO Outreach Programme for the six online courses
- Annual festival Sankalp’21 organised on 11-12 April, 2021 by NSS Unit.

17. Library Development

- In the session 2020-21, 852 (textbooks) and 68 (reference books) were purchased worth INR 625680/-.
- INR 15 lacs have been approved by GB for **Book bank Facility with** a provision of complete sets of course books for needy students of all programmes.
- For Visually Challenged students, the prescribed books scanned by Kabo Scanner and converted to VH readable E-Texts were shared.
- The library staff has been trained on Plagiarism Detection Software, URKUND.

18. Faculty Strength: 90

19. Financial Allocation And Utilization

- Grant sanctioned: INR 34,90,000,00/- (Thirty four crores ninety lacs only)
- Grant Utilized: INR 29,26,29,000/- (Twenty nine crores twenty six lacs twenty nine thousand only)

20. Other Significant Information

20.1 FACULTY/PROFESSIONAL DEVELOPMENT PROGRAMMES CONDUCTED BY COLLEGE (5)

- i. One Week online Faculty Development Program on ICT Tools for Effective Teaching Learning organized by Media Production Centre in association with Internal Quality Assurance Cell (IQAC) from 5th -9th August 2020.
- ii. One-week Online Faculty Development Program on Biosafety, Bioethics and IPR, Under DBT Star College Scheme organised by Department of Microbiology, from 24th -28th August 2020.
- iii. Five days Faculty Development Program on “Introduction to Machine Learning in Research (Concepts & Practical Use)” was successfully conducted by the Department of Computer Science in association with Teaching Learning Centre of Ramanujan College from 10th to 18th October 2020.
- iv. One Week Faculty Development Programme, Transforming Governance in India: Issues and Concerns organized by Department of Political Science, in collaboration with Teaching Learning Centre (TLC), Centre for Human Rights Studies and Department of Political Science, Ramanujan College, University of Delhi from 21st -27th September, 2020.
- v. Five Days e- Workshop for faculty, Research Methodology and Data Handling organized jointly by Department of Political Science, , University of Delhi and Department of Laws, BPS Mahila Viswavidyalaya from 28th May – 1st June, 2020.

20.2 WORKSHOPS CONDUCTED BY COLLEGE (11)

- i. DBT Sponsored National Workshop on Molecular docking in drug design from 31st March to 1st April 2021, organized by Department of Microbiology, under DBT -Star College Scheme.
- ii. National Workshop on "Holistic Fitness - Boost your immunity and prevent illness" was organised on 23-24th June 2021 (2:00-4:00 pm) by Yoga and Meditation society in collaboration with the Department of Physical Education.

- iii. Entrepreneurship Awareness Workshop was organised on 6th February 2021 by Centre for Entrepreneurship and Technology Development (E-cell) in association with BIRAC-Tie.
- iv. Online Yoga Sessions from 1st- June 2020 continuing till now by Yoga and Meditation Society, in association with Shri Yog Pragati.
- v. Workshop on Virtual Labs, IIT Delhi by Department of Computer Science, on 26th February 2021.
- vi. Technology Conclave in collaboration with ICT Academy from 15th to 19th February 2021.
- vii. Workshop entitled 'Choices and Decisions' organised on 22 May, 2021 by Center For Human Values, Ethics And Life Skills. Resource Person: Mrs. Rita P Taneja, CBSE educator
- viii. Workshop on "Women Issues and Legal Rights' organised on 5 June, 2021 by Center For Human Values, Ethics And Life Skills, RLAC. Resource Person: Ms Anmol Kohli, a public speaker and educator.
- ix. A hands- on workshop about Angel Players was organized on 2 April, 2021 by Sugam Society, on 22 February, 2021.
- x. Workshop on Madhubani (online) by President Awardee Manisha Jha organized by SPICMACAY, 25th -27th Feb'21.
- xi. Online workshop on "Drug Discovery Workshop Series on StarDrop and SeeSAR Bengaluru 6 -10th August, 2020 by Zastra Innovations, Bengaluru.

20.3 CERTIFICATE COURSES OFFERED BY COLLEGE FOR STUDENTS:

(21)

- i. Scientific Writing and Research Ethics" under DBT Star College Scheme
- ii. Python in Biological Sciences under DBT Star College Scheme
- iii. Exploring Feasible Alternative Technologies to Address Environmental Issues under DBT Star College Scheme
- iv. Modern Web Development Tools
- v. Vector Design and Animation
- vi. GST Concepts and Filing of Returns" Conducted by Department of Commerce
- vii. Investing in Stock Markets

- viii. Skill Enhancement certificate Course on “Latex: The Mathematical Type Setting Software
- ix. Training on Experiential Learning & Soft Skills Development in Policy Sciences
- x. Disability Studies
- xi. Software Editing for Media reporting
- xii. Excel and Tableau
- xiii. Data analytics
- xiv. Full Stack Web Developing & Hosting
- xv. Foreign Language - Chinese
- xvi. Foreign Language - Japanese
- xvii. Hindi Translation
- xviii. Creative writing
- xix. Competition Skill Enhancement Course (Bank PO Coaching)
- xx. Competition Skill Enhancement Course (UPSC Coaching)
- xxi. Competition Skill Enhancement Course (CAT Coaching)

20.4. Student Welfare: A total amount of Rs. Four Lakh eighty nine thousand three hundred twenty (INR. 489320/-) was distributed among 96 needy students from low family income category by the college.

21. Name And Contact Details Of Coordinator For Annual Report 2020-2021 of College.

(i) **Dr. Prerna Diwan, IQAC Coordinator & Associate Professor**, Department of Microbiology Mobile- 91-9871290711; E-mail: prernadiwan.mic@rla.du.ac.in

(ii) **Dr Sunila Hooda, Assistant Professor** Department of Microbiology Mobile- 91-9810473771; E-mail: sunilahooda.micro@rla.du.ac.in



Principal's Signature

Seal Of College