

INTERNAL QUALITY ASSURANCE CELL

ANNUAL REPORT

2019-20



SHRI RAMSWAROOP MEMORIAL UNIVERSITY

The academic session 2019-20 was eventful year for the IQAC. This report is of the activities/events carried out by the IQAC in accordance with the Plan of Action that had been outlined in June 2019.

Activity 1: Seminar on NIRF: Methodology for Ranking of Academic Institutions in India

For sensitizing the university about the importance of NIRF Ranking Prof. (Dr.) Niraj Gupta, Director, IQAC has delivered a talk on “NIRF: Methodology for Ranking of Academic Institutions in India” on 2nd July 2019. The seminar was attended by the Directors/Deans and faculty members of various departments.

Activity 2: FDP – 2019 – Resource mobilization for research

Internal Quality Assurance Cell has organized 6th Faculty Development Program (FDP) on “Resource Mobilization for Research” on 15th & 16th July 2019. Resource person of the FDP was eminent speakers Prof. (Dr.) Devesh Kishore, Professor Emeritus, Makhanlal Chaturvedi National University of Journalism & Mass Communication, Noida Campus. He conducted session on following topic:

1. Research Project: Reality and Myth
2. Initiation and Funding of Research Project
3. How to write a Research Paper

Activity 3: Interactive session: Learning management system

An interactive session on “Learning Management System” was organized by IQAC on 25th July, 2019. Prof. (Dr.) Sanjeev Sharma Director, R.D. Engineering College, Ghaziabad was the key speaker for the session. In the session he interacted about the utility of Studybud.com which can be used as a complete solution for the campus placement.

Activity 4: Two days workshop on “Quality Management in Higher Education through a Combination of Internal & External Quality Evaluation, Promotion & Sustenance Measures”

A Two days workshop on “Quality Management in Higher Education through a Combination of Internal & External Quality Evaluation, Promotion & Sustenance Measures” was organized by IQAC on 16th and 19th August 2019. In the workshop following topics were covered by key speakers:

1. NBA Criteria and Preparation for Self-Assessment Report: Prof. (Dr.) Niraj Gupta, Director, IQAC
2. Internal Session: NBA – Dr. M.S. Manna, Former Director, AICTE.

The workshop was attended by Directors/Deans and Faculty representatives of each department.

Activity 5: Guest Lecture – “Good Laboratory Practices: A quality system in science”

A Guest Lecture on "Good Laboratory Practices: A quality system in science" was organized for student development by IQAC on 3rd September, 2019 from 11:00 A.M. to 12:30 A.M. The guest speaker for the session was Dr. A.B. Pant, Principal Scientist, CSIR-IITR, Lucknow

Students from IoT, INSH and IBST have participated in the session.

Activity 6: Workshop on "Use of Blooms Taxonomy for Attainment of Learning Outcomes"

A workshop on "Use of Blooms Taxonomy for Attainment of Learning Outcomes" was organized by IQAC for faculty members on 21st September, 2019. The keynote speaker for the workshop was Dr. Ritu Chandra, Principal, IER, and SRMU. The workshop was attended by Directors/Deans/Faculty Members of all the departments.

Activity 7: NAAC review meeting

IQAC has organized a Review Meeting of different criteria coordinators of NAAC with Prof. (Dr.) M.S Manna on 12th October 2019. The meeting was attended by Criteria Coordinators/Directors/Deans and Steering Committee Members.

Activity 8: Teaching Learning Innovation Award

To encourage and sensitize teacher's about innovative practices in student centric methods and create an environment in university to ensure sustainability of innovation, IQAC has designed a Teaching Learning Innovation Award. The "Teaching Learning Innovation Award" for academic session 2018-19 was awarded to following three faculty members on Republic Day, 26th January, 2020:

1. Ms. Niharika Chandra, Assistant Professor, FoBT, IBST
2. Dr. Ritu Chandra, Principal, IER
3. Dr. Alka Singh, Associate Professor, IMCE

Activity 9: Academic and administrative audit

Academic Internal Audit of all the Institutes/Departments was conducted in September-October, 2019 by IQAC. Administrative audit was conducted from 18-24 July, 2019. Report of both audits was discussed in IQAC meeting on 1 February, 2020.

Activity 10: Presentation on evaluative Report by Institutes/Departments:

After the academic audit IQAC has organized presentations-cum-discussion of various departments from 13th to 25th November, 2019. With Hon'ble Vice Chancellor on evaluative report and audit to identify the weak points and measures to overcome them.

Activity 11: Seminar on Attainment of Learning Outcomes

A seminar on "Attainment of Learning Outcomes" was organized by IQAC for faculty members on 13th and 14th January 2020. The keynote speaker for the workshop was Prof. (Dr.) Niraj Gupta; Director IQAC. The seminar was attended by Directors/Deans/Faculty Members of all the departments.

Activity 12: IQAC annual meeting

IQAC has organized an annual meeting on 1st February 2020 in which:

- Dr. Alkesh Agarwal has presented the review of IQAC activities – 2019
- Prof. (Dr.) Rajesh Porwal, presented the IQAC calendar of 2020
- Dr. Anushree Singh, presented the evaluative report section of internal academic audit report
- Dr. Divya Gupta, presented the comparative data of quality assurance checklist of the various institute and departments of internal academic audit report
- Dr. Niraj Gupta has presented the ranking of institutes and departments based on quality assurance data.

Activity 13: Workshop on Attainment of Learning Outcomes

A workshop on Attainment of learning outcomes was organized by IQAC for faculty members on 14th February 2020. The keynote speaker for the workshop was Dr. M.S Manna, Former Director (AICTE). The workshop was attended by Directors/Deans/ Faculty members of all the departments.

Activity 14: FDP – 2020

IQAC has organized 6th Faculty Development Program (FDP) in online mode on "JCT Enabled Tools for Effective teaching learning Examination Processes in Higher Education, from 16th -20th June, 2020. The chief guest in the FDP was Prof (Dr.) Ajay Kapoor, Pro Vice Chancellor (Research-Sarawak) Swinburne University- Melbourne- Australia. The FDP was attended by faculty members of multidisciplinary streams from various institutes of the university. Following topics were covered during the FDP by eminent speakers:

1. Digital initiatives in Higher Education - Prof. (Dr.) V.K. Garg, Professor, Department of Environmental Science and Engg, Guru Jambheshwar University of Science & Technology, Hisar.
2. Effective Teaching Skills & SLM Preparation in online teaching - Dr. Ashutosh Priye, Associate Professor, Department of Applied Economics, Rohailkhand University, Bareilly
3. Synchronous and Asynchronous E-Learning - Dr. Madhu Singh, HOD & Associate Professor, Saint Xavier College of Education, Patna
4. Running a Blended learning course in Higher Education - Prof Naim Kidwai, Deputy Director IQAC, Integral University, Lucknow
5. MOOCs, SWAYAM and Assessment in Higher Education - Prof. Satyendra Gupta, Dean, School of Education, Galgotia University, Greater Noida
6. Effective Tools for Online Teaching and Learning - Prof. (Dr.) Abhishek Saxena, Dean, Faculty of Civil Engineering, IOT, SRMU
7. Developing audio-video lectures as a learning resource - Dr. Sachidanand Singh, Dean, Faculty of Biotechnology, IBST, SRMU
8. Digital Divide -A Challenge for ICT enabled learning - Dr. Bineet Gupta, Head, Department of Computer Application, IOT, SRMU

9. Google Forms: An Effective platform for conducting online Examination - Dr. Mohanned Harris Siddique, Dean, Faculty of Agricultural Science & Technology and Head, Department of Bioengineering, Integral university
10. Digitalization of Examination process: Agenda of reforms in Higher Education - Dr. Indrajeet Dutta, Assistant Professor, School of Education and Training, Maulana Azad National Urdu University
11. Social Challenges to Online Teaching - Dr. Suneeta Chandra, Joint Registrar, BHU, Varanasi
12. The impact of COVID19 on Teaching Learning process and the route ahead - Dr. Jyoti Dewan, Associate Professor, IMCE & Chairperson, Academic Collaboration, Industry Interaction & Entrepreneurship, SRMU
13. Reshaping Education during CORONA Virus Epidemic Dr. Atul Kumar, Application Scientist, University of Lund, Sweden

Activity 15: University Annual Report

IQAC has prepared University Annual Report for the session 2019-20 and submitted the same to Honorable Vice Chancellor in March 2020.

Activity 16: IQAC Bulletin

IQAC releases bulletin on conferences, seminars, and orientation, refresher and short courses round the year. For the academic session 2019-20 bulletins has been released on the following dates:

- a) 02 August 2019
- b) 02 September 2019
- c) 25 October 2019
- d) 25 December 2019

Activity 17: NAAC – Criteria Meeting

IQAC has organized meetings of HoDs/Deans/Directors with respective coordinators of steering committee and their team members to complete the self-study report, evaluative report of the department and extended profile of the University for NAAC accreditation on the following dates:

1. Criteria I – 17th and 31st August, 2019
2. Criteria II – 7th and 21st September, 2019
3. Criteria III – 5th and 19th October, 2019
4. Criteria IV – 16th November, 2019
5. Criteria V – 2nd November, 2019
6. Criteria VI – 16th November, 2019
7. Criteria VII – 23rd November, 2019

Activity 18: Conferences/Workshops/Seminar conducted at various Institutes/Departments at SRMU

1. A four day Quality Improvement Program (QIP) on "Writing and Publishing Quality Research Papers" was organized by the Institute of Management, Commerce and Economics from July 20th -23rd , 2019. The main objective of the QIP was to deepen the understanding of the rudiments of research and develop skills for conducting and publishing research papers in ABDC/ABS/SCI Indexed/SCOPUS listed journals and writing PhD Thesis. Keynote speaker Prof. Jabir Ali explained the SMART (Specific, Measurable, Achievable, Relevant, Time bound) Technique and various styles of writing research papers. He also stressed upon the selection of title which should be specific in nature and preferably addressing emerging global issues.
2. National Conference on Biotechnology Innovations (NatConBio) was organized on September 27th-28th, 2019 by Institute of Biosciences and Technology in association with Society for Biotechnologists (India). The main focus of the conference was recent advances and innovations in the field of biotechnology, microbiology, biochemistry, neurobiology, pharmacy, food Ounce, agriculture, sustainable development program, drug discovery and therapeutics. Chief Guest for the event was Padam Shree Awardee Prof (Dr.) Manju Sharma, former secretary Department of Biotechnology, government of India. A total of 20 invited speakers from all over the India delivered lectures in different area of biotechnology. A total of 450 participants from all over the India participated in this conference.
3. A National Workshop on "Applications of Technical Terminology in Science & Technology" was organized by Faculty of Chemical Sciences, Institute of Natural Sciences and Humanities, during 23rd – 24th October, 2019 which was fully sponsored by Ministry of Human resource and Development (MHRD), Govt. of India. The workshop was graced by Chief Guest Smt Neelima Katiyar, Minister of State, (Higher Education, and Science & Technology), The workshop was enriched by our esteemed eminent speakers from different part of the country. The major objective of the workshop was to make aware our participants about the coordination of scientific and technical terminology in hindi and other languages and its importance in academic. Participants were also encouraged to innovate and contribute to science and technology without any barrier of languages. Huge number of faculty members participated in the workshop and given certificates from CSTT, MHRD, and Govt. of India.
4. International conference on Cutting-Edge Technologies in Engineering was organized by Institute of Technology from Nov. 14-16, 2019. Padam Shri Dr. Kota Harinarayana, a distinguished Scientist, Chief Architect-Light Combat Aircraft, addressed the audience about the topic from "Manned fighter" to "Unmanned Combat Aircraft". He discussed the gathering about Aircraft, UAV technologies effect of anatomy, increasing role of technology adoption. Er. Yogesh kumar Ex director, HAL Bangalore, India addressed the topic of future technology in aviation. Dr. Syed Umar Amin, Professor R K Pant, Er. Amit Agarwal also graced the occasion, Students and faculty from different institutes participated in the event.
5. One day national Seminar on "Innovation for Nation: Innovate for New India" was conducted on 3rd March, 2020 by Faculty of Chemical Sciences. This seminar was funded by Council of Science & Technology, Government of Uttar Pradesh. This one day event was graced by Chief Guest, Padma

Shri Prof. V. K. Singh, from Indian Institute of Technology, Kanpur, Uttar Pradesh and the Guest of Honour, Dr. Huma Mustafa, Joint Director, UPCST. The aim of the seminar was to make students, research scholars and young faculty members aware about Intellectual properties like copyrights, filing patents and their importance and contribution towards the development of our nation. Participants were also made aware about the different government schemes and projects available to boost their research work,

6. National Symposium on Integrative Medicines and Health: From Basic to Translational Research & 2nd Annual Meeting of Translational Biomedical Research Society (TBRS-2020 Online) 4th-6th December 2020 Jointly Organized by Faculty of Biosciences, Institute of Biosciences and Technology and Centre of Biomedical Research (CBMR), Lucknow, UP. The theme of the symposium was to bring conventional and complementary approaches together for developing holistic healthcare managements. The guest of honour was Professor Alok Dhawan, Director; CBMR emphasized on the need of inclusion of natural healthcare systems to modern medical care system through evidence based translational biomedical research. Chief Guest for the symposium was Prof. MLB Bhatt (President Arogya Bharti, Avadh Prant). He delivered his keynote lecture on integrative medicine for patient-centered care and current need to generate evidences of its efficacy and safety at preclinical and clinical levels with the help of advanced experimental tools and techniques so as to re-establish the unaccepted facts and provide scientific rationale for associated health benefits.
7. A workshop on Research Data analysis using MS Excel- was conducted by Institute of Management, Commerce and Economics on 1st May 2020.
8. A webinar on Art of Writing A Research Project was conducted by Institute of Management, Commerce and Economics on 9th May 2020. The talk was delivered by Dr Shefali Nandan, Assistant Professor, MONIRBA, and University of Allahabad.
9. International Webinar on Covid: I9-The Strategic Route Ahead for GLOCAL Action was conducted by Institute of Management, Commerce and Economics on 11th June 2020. Keynote speaker was Prof. (Dr.) Ajay Kapoor, Prof. Vice-Chancellor (Research - Sarawak), Swisburne University, Melbourne, Australia.
10. Faculty of Biotechnology, Institute of Bio-sciences and Technology, SRMU organized National webinar on 26th Sep, 2020 in collaboration with Save the Environment (STE) society and TERI New Delhi, on topic related to waste water treatment and management. The topic of the webinar was "Adequate treatment of Wastewater: a necessity to meet SDG-6 and address issues of Climate Change". The speaker for the webinar was Dr. Nupur Bahadur, Fellow, Integrated Wastewater Management, Sustainable Habitat Division, TERI, and Delhi.
11. Faculty of Biosciences, Institute of Bioscience and Technology SRMU has organized a webinar on "COVID-19, Current status, Awareness and Diagnosis" on 31st May 2020. The talk was delivered by Dr Amresh Kumar Sing, Head of the Department, Department of Microbiology, BRD Medical College, Gorakhpur. He discussed about the various aspects of the COVID-19 pandemic including its symptoms and the precautions. He also shared the facts against various myths and updated the audience about the current status on the increase in the cases of COVID-19 patients.
12. Faculty of Biotechnology, Institute of Bioscience and Technology organized a national webinar on 08, May, 2020 entitled "National Webinar on Oral health Overall health". The event was

attended by the Faculty and students of faculty of Biotechnology and Faculty of Bio-Science, IBST. Dr. J. Jannet Vennila, Professor at Department of Biotechnology, Karunya Institute of Technology and Science, Coimbatore, was the key speaker. Webinar includes oral health and systemic diseases, oral micro biome and antimicrobial effects of marine bromophenols. Moreover the webinar was focused on COVID19.

13. Faculty of Biosciences, Institute of Bioscience and Technology organized a national webinar on 5th May, 2020 on Current status of epidemiology, pathogenesis, therapeutics and vaccine for COVID-19. Dr. Sunit K. Singh, Professor of Molecular Immunology, Molecular Biology Unit, Faculty of Medicine, Institute of Medical Sciences, Banaras Hindu University discussed about the adaptation and how do viruses changes their basic host ranges in order to infect new host species and, what are the factors which are making humans a very prone to acquired animal virus. He also discussed that this virus has either jumped from "BAT" species to the human population or either pangolins. He also emphasized about the molecular events that allows virus to become successfully adapted to a new host species. He also discussed about the various types of vaccines.
14. Faculty of Biotechnology, Institute of Bioscience and Technology organized an international workshop on 09, May, 2020 with title "An International online hands-on workshop On Data Analysis using R programming: A key point towards Data Analyst". The success of event was witnessed by participants from Europe and all over India. Dr. Atul Kumar, Application Scientist, and Post Doctoral Fellow at Clinical Memory Research, University of Lund, Sweden was the key speaker. He discussed about the DATA analytics, introduction to R programming, Data manipulation in R. Data import techniques in R, Exploratory Data Analysis and overview of Machine Learning Techniques.
15. Faculty of Biotechnology, Institute of Biosciences and Technology, Shri Ramswaroop Memorial University organized a two-day online lecture series on 15-16 May, 2020 with the title "Online Alumni Lecture Series by Biotechnology Graduates: SRMU". The main objective for organizing this event was to share stories of personal and professional experiences and to deliver alumni lecturers for the valuable business and professional development. Alumni Discussion Forum for Competitive Exams was conducted just after the lecture series on 2nd day. This forum provided the platform for B.Tech Biotechnology students to learn different experiences from the GATE qualified students. Alumni discussed various aspects of biotechnology like cytogenetic analysis, telemedicine role during COVID-19 pandemic. Students discussed all their experiences regarding achievement in different fields starting from SRMU to the workplace.
16. Faculty of Biotechnology, Institute of Bioscience and Technology SRMU has organized a webinar on 20th May, 2020 entitled "Various Aspects of Corona virus Pandemic". Dr. Sudhir Mehrotra, Professor and Head, Department of Biochemistry, University of Lucknow was the key speaker. The webinar was focused on the vaccine development strategies in COVID19. Prof. Mehrotra highlighted the importance of natural compounds for the boost up of immunity against COVID-19.
17. Faculty of Biosciences, Institute of Bioscience and Technology in association with carrier counseling cell SRMU has organized a webinar on 21st August 2020 on Carrier Advancement Avenues in Biotechnology. Talk was delivered by Dr. Amarnath Chatterjee General Manager, Analytical (Biotech R&D) Wockhardt Ltd. He discussed about the various carrier options for the undergraduate and postgraduate students of biotechnology.

18. Faculty of Physical Sciences, Institute of Natural Sciences and Humanities in collaboration with BERS, Sulu-it Solar Pvt Limited and Gajah Solar Power Pvt Limited organized the "SOLARIS 2020- a National Conference on Sustainable Environment and Climate" from 7-9 February 2020. The Guest of honour in SOLARIS 2020 was Prof. Vineet Saini (DST, GOI) and Chief guest was Prof A.S.K Sinha (Director, RGIPT). More than 20 invited lectures, Poster sessions and 6 technical sessions were conducted during the conference.
19. Faculty of Mathematical & Statistical Sciences, Institute of Natural Sciences and Humanities, organized two days "2nd National Conference on Recent Trends in Mathematics with Applications". Chief Guest of the conference was Prof (Dr.) Rain Bilas Misra (Ex Vice-Chancellor Dr. RML Avadh University, Ayodhya). More than 15 invited lectures were delivered by eminent mathematicians from Central University, IIT, NIT, HIT and State University.

All the activities mentioned above were conducted under the umbrella of IQAC.

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