

ERA UNIVERSITY



Newsletter

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Editorial

This edition of the Era University Newsletter, Volume four, welcomes yet another academic session with fresh vigor and energy to determine purposefully a whole gamut of activities, academic and extra-curricular. The new faces on-campus are filled with aspirations and a drive to accomplish the world and beyond. There has been a dynamic flow of activities spanning from book reviews to skill

development programs, which have shaped the personality of students nurturing development of students on the professional and personal front.

The Sprawling campus at Era University witnessed a plethora of academic and non-academic activities and events in the post-Covid period. It's a storm after a lull of the time period which constrained all campus activity to online platform. The students came back to the campus with a new spirit and full of energy to resume and pick their campus life from where they had left it.

The IABS Convocation, IABSCON International Conference-2022 organized by Era University in association with Indian Academy of Biomedical Sciences and National Academy of Medical Sciences NAMS (INDIA) stole the spotlight among a whole range of academic seminars, conferences and workshops that were organized on the Era University Campus. Recent trends in Biomedical Research was the focal point of discussion during the conference.

Chauri Chaura Shatabdi Samaroh events, Creative Arts Club activities and Azadi Ka Amrit Mahotsav programs created fervor amongst students to actively participate in extra-curricular activities. Gyanmanthan programs organized for upgrading the skills of students and polishing them to face the world through interaction with Industry experts motivated the students to explore new horizons. The Certificate Course of 6 months in Health Professional Education organized by the Department of Medical Education at Era University created rigor amongst faculty participants to show active interest in Faculty Development programs that too being offered in all convenience within their home institution.

Dr. Rupali Mirza
Editor-in-chief

Xth INTERNATIONAL CONFERENCE OF INDIAN ACADEMY OF BIOMEDICAL SCIENCES

A two day, International Conference of Indian Academy of Biomedical Sciences in association with National Academy of Medical Sciences (India) [NAMS], New Delhi was jointly organized by Department of Biochemistry, King George's Medical University and Department of Biotechnology, Era University, Lucknow at Era Campus on May 7 and May 8, 2022. The theme of the conference was “*Recent Trends in Biomedical Research: Current Challenges & Future Prospects*”. An exciting and informative scientific program was prepared by the scientific committee in which excellent interactive sessions were organized by world renowned experts in the field of translational research. More than 90 faculties, including 11 learned speakers from abroad shared their experiences and talked about the latest advancements in Biomedical Research. The conference was attended by more than 250 delegates and was organized by Prof. Abbas Ali Mahdi, the Organizing Secretary.

The conference was inaugurated by Padma Bhushan, Prof. (Dr.) Ashok Seth, Chairman, Fortis Escorts Hospital, New Delhi, in presence of Padma Shri, Dr. Mansoor Hasan and Dr. Ammar Rizvi as Guests of Honour. The function was presided over by Lt. Gen. (Dr.) Bipin Puri, Vice Chancellor, King George's Medical University. Prof. Hari S Sharma, The Netherland, Prof. Thuppil Venkatesh, Bangalore, Prof. K. G. Raghu, CSIR-NIIST, Thiruvananthapuram, Prof. Farzana Mahdi, Vice Chancellor, Era University, Lucknow were also present on the occasion.

Prominent speakers during the conference included Padma Shri, Prof. Saroj Chooramani Gopal from Varanasi, Dr. Lindsay Brown from Australia, Dr. Rajasekaran N. Soorappan from Alabama, USA, Prof. Francis Borgio from Saudi Arabia, Prof. Peter Van Der Spek from The Netherlands, Dr. Gustavo Zubieta-Calleja, La Paz from Bolivia, Dr. Khadijeh Hashemi from Iran, Dr. Atena Soleimani from Iran, Dr. Hamideh Naimi from Iran, Dr. V.K. Mishra from U.A.E, Prof. B.S.S. Rao (NIMHANS) & Prof. Thuppil Venkatesh (ST. John's Medical College) both from Bangalore in addition to eminent faculties from SKIMS, Srinagar, GMC, Jammu, PGI,

Chandigarh, JIPMER, Pondicherry, AIIMS, New Delhi, AIIMS, Patna, AIIMS, Jodhpur, AIIMS, Bhopal, Seth G.S. and KEM Hospital, Mumbai, CSIR-NIST Trivandrum, NIMHANS, Bangalore, St. John's Medical College, Bangalore, etc.

During the two day conference, the Annual Convocation of the Academy was also organized in which IABS Fellowships were presented to many luminaries including Prof Afroz-ul-Haq, Vice Chancellor, Manipur University, Imphal, Prof. Ajai Singh, Director, PGICH, Noida, Prof. B.S. Shankaranarayana Rao, NIMHANS, Bengaluru, Prof. Farzana Mahdi, Era University, Lucknow, Prof. K.G. Raghu, CSIR-NIIST, Trivandrum, Prof. Suman Kundu, Director, BITS – Pilani, Goa Campus and Dr. Ramesh Chandra, ex-Vice Chancellor Bundelkhand University, Jhansi.

IABS Annual Awards were also presented during the inaugural function of the conference. The prestigious Padma Shri, Prof. Mahdi Hasan Award was presented to Dr. Ashok Seth, Fortis Escorts Hospital, New Delhi. Moreover, Prof. Sohail Ahmad Award was presented to Prof. Alpana Sharma, AIIMS, New Delhi, and to Prof. Asad Ullah Khan, AMU Aligarh, Mrs. Abida Mahdi Award was presented to Prof. Saurabh Varshney, Director, AIIMS, Deoghar and AIIMS Patna and to Dr. Prasunpriya Nayak, AIIMS Jodhpur, Life Time Achievement Award was presented to Late Prof. Arun Raizada.

During the conference more than 14 sessions were conducted in which over 80 speakers presented their work. Furthermore, 3 poster presentation sessions were also organized for students in which more than 117 delegates participated and presented their research work in the field of Biomedical Research.





**HAPPY THINKING LABORATORY, ICSSR
SUPPORTED INTERNATIONAL
INTERDISCIPLINARY ONLINE
CONFERENCE ON POSITIVE
PSYCHOLOGY**

Happy Thinking Laboratory, Department of Psychology University of Lucknow in collaboration with Happiness Department, Era University, organized an ICSSR supported International Interdisciplinary online conference on “Positive Psychology Interventions for promoting Sustainable Happiness in Society” on 22- 23 October, 2021. This Online conference was organized under the able guidance of the Patrons, Prof. Alok Kumar Rai, hon'ble Vice Chancellor, University of Lucknow, and Prof. Farzana Mahdi, hon'ble Vice Chancellor, Era University, Lucknow and Prof. Shashi Shukla, Dean, Faculty of Arts, University of Lucknow. The convener of the conference was Prof. Madhurima Pradhan, Director, Happy Thinking Laboratory and former Head, Department of Psychology, University of Lucknow. The organizing secretary was Dr. Archana Shukla, Coordinator, Department of Psychology, University of Lucknow and joint organizing secretary of the event was Dr. Farha Bano, Assistant Professor,

Department of Happiness, Era University.

More than 400 participants from different states of India and other countries like United States, Thailand, Bangkok, Malaysia and France registered for the Conference. This conference was inaugurated by Professor T. S. Powdyel, the former minister of Education, Royal government of Bhutan. During the course of the two-days conference, three Symposiums on emerging issues such as 'Psychotherapies for Sustainable happiness', 'Challenges of Positive Interventions in Indian Cultural Context' and "Happy Schools" were organized. Eminent psychologists from Bangalore, Bombay, Delhi, Mysore, Aligarh, Rohtak, Jammu etc. delivered their deliberations. 78 papers were presented during the conference by various academicians, research scholars and professors on varied intriguing themes. Each symposium was presided over by esteemed Chairpersons. An invited lecture was delivered by Prof. Jared Kass from Lesley University. The valedictory speech was delivered by an Indian psychologist of International repute Prof. Girishwar Mishra, Former Vice Chancellor, Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya. This International Conference aimed to throw light on achieving Sustainable Happiness, the much desired goal of human life.



NATIONAL WORKSHOP ON IMPLEMENTATION OF LEARNER DOCTOR METHOD IN THE CBME CURRICULUM

Department of Medical Education, Era's Lucknow Medical College, Era University, Lucknow organized a National workshop on **Implementation of Learner Doctor Method in the CBME Curriculum** on December 6, 2021.

Learner Doctor Method is a very important method to provide learner with experience of longitudinal patient care and emphasize on clinical learning. This method also ensures that the medical professional continues to provide excellent care to the patients; the method will help to train students to be efficient doctors.

The workshop was conducted by **Eminent Speaker, Dr. Krishna Seshadri, Member-Curriculum Expert group, National Medical Council, India.** The Workshop was inaugurated by the Guest Speaker, Hon'ble Vice Chancellor, Prof. Farzana Mahdi, Prof. M. M.M. Faridi -Principal Dean & CMS, Prof. Sucheta Dandekar- Head, Department of Medical Education and Prof. Nirmala Rege. The live telecast of the workshop was also done for online students and faculty members of several medical institutes of country.

During the workshop an interactive session was conducted by Dr. Seshadri, with the MBBS-Phase II students. In this session several students shared their experiences of patient care, aspects of newly introduced CBME curriculum.

Dr. Krishna Seshadri conducted a dedicated session on Learner Doctor Method for the faculty members. During this session aspects and importance of this method was elaborated along with the group activity. The workshop was attended by more than 300 students and faculty members from several medical institutes all over India. The workshop will be instrumental in implementation of the CBME curriculum in the medical colleges.

Hon'ble Vice Chancellor, Prof. Farzana Mahdi, felicitated Dr. Krishna Seshadri for conducting this workshop. The vote of thanks was proposed by Prof. Nirmala Rege, Professor, Department of Pharmacology.



CELEBRATION OF 'WORLD DOWN SYNDROME DAY' BY DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

March 21st is celebrated every year by the World Health Organization and United Nations as World Down Syndrome Day. On this day people are encouraged to assemble and organize activities to promote public awareness for the Down Syndrome. The Department of Obst. And Gynae conducted a public forum in commemoration of the day from 11:00 am to 12:00 pm on Monday, March 21, 2022. The attendees were given information about various aspects of Down Syndrome including a general introduction of the disease, symptoms, diagnosis, treatment and antenatal screening. The theme for 2022 is 'We Decide' and the official colour of celebration blue and yellow. Information charts were put on display outside the out patients department of Obstetrics and Gynaecology for benefit of the public and the area was decorated with blue and yellow balloons, flowers and streamers. The people were encouraged to come up with any queries for discussion. There was an active interaction by the attendees and faculty regarding different clinical scenarios. The programme concluded successfully with tea and snacks for the public.





WORKSHOP ON “BASIC AND ADVANCED MOLECULAR BIOLOGY TECHNIQUES” (BAMBT2022)

A Two day hands-on workshop on “*Basic and Advanced Molecular Biology techniques*” (BAMBT2022) was jointly organized by Department of Personalized & Molecular Medicine and Department of Biotechnology, Era University, Lucknow under the aegis of Indian society of Personalized Medicine and Indian Academy of Biomedical Sciences on March 30-31, 2022. The aim of the workshop was to acquaint the participants with a focused and comprehensive hands-on training on some basic and advanced molecular biology techniques. The workshop included sessions of lectures, and practical to impart thorough understanding about molecular biology techniques. The workshop was well attended by more than 30 faculty, research scholars and students.

The workshop was inaugurated by the Chief Guest Prof. Dr. Sher Ali, Distinguished Professor and Head, Department of Biosciences, Dean Academics, and Dean R & D, Integral University, Lucknow. The program started with the welcome address by Prof. Tasleem Raza, Controller of Examination, Era University, Lucknow. Prof. Farzana Mahdi, Hon'ble Vice Chancellor, Era University, presided over the inaugural function which was also graced by Guest of Honor, Prof. Abbas Ali Mahdi, Head, Department of Biochemistry and Controller of Examination, King George's Medical University, Lucknow, Prof. A. K. Srivastava, Dean, Faculty of Science, Era University, Lucknow, and many more. The workshop manual was also released by Prof. Dr. Sher Ali during the inaugural function. The function ended with the Vote of thanks by Prof. A. K. Srivastava, Dean, Faculty of Science, Era University, Lucknow.

On the first day of the workshop hands-on DNA Isolation and quantification by Nano Drop, Polymerase Chain Reaction (PCR), Native PAGE, Restriction Fragment Length Polymorphism, Multiplex Polymerase Chain Reaction, Plasmid isolation from E. Coli, Agarose Gel Electrophoresis and Gel Documentation Techniques were performed.

The program was conducted by Dr. Tabrez Jafar, Head, Department of Biotechnology, and Dr. Mohd. Abbas, Incharge, Department of Personalized and Molecular Medicine, Era University, Lucknow.



MoU BETWEEN PGICH-NOIDA, U.P. AND ERA UNIVERSITY

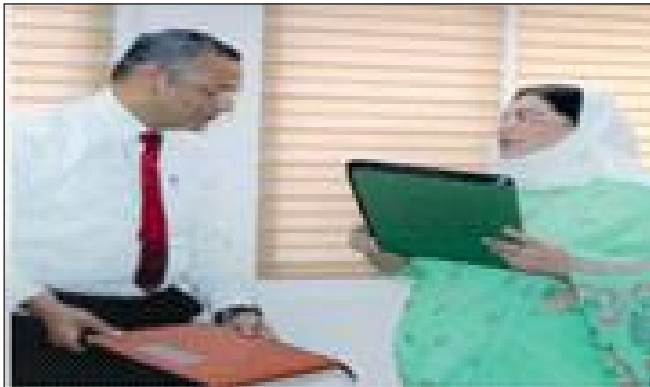
A memorandum of understanding (MoU) between PGICH-Noida, U.P., one of the pioneering prestigious Pediatric institute for child health established by the Govt. of Uttar Pradesh and Era University, Lucknow has been made for mutual understanding, cooperation and strengthening teaching, training and research in the area of basic and clinical sciences.

Prof. Ajay Singh, Director, PGICH, Noida and Prof. Farzana Mahdi, Vice Chancellor, Era University exchanged the MoU.

Prof. Ajay Singh and Prof. Farzana Mahdi also addressed the honorable guests and faculty of Era

University and briefed about the achievements, ongoing research and mutual collaborative programs of the respective institutions.

On this occasion Prof. Abbas Ali Mahdi, Controller of Examination, and Head, Dept. of Biochemistry, KGMU, Lucknow, Prof. Anu Chandra, Registrar, EU, Prof. S. Tasleem Raza, Controller of Examinations, and Dr. Tabrez Jafar, Nodal officer, MoU, Era University along with Dr. Israr Ahmad and Dr. S. Mohd. Shiraz Rizvi, were present.



INTERNATIONAL NURSES WEEK 2022 BY ERA COLLEGE OF NURSING

International Nurses Day is organized worldwide every year on the 12th of May. The theme for the year 2022 is “Nurses: A Voice to Lead- Invest in Nursing and Rights to Secure Global Health”. Era College of Nursing celebrated International Nurses Week from May 10, 2022 to May 12, 2022 by organizing a series of programs, including co-curricular and extracurricular activities. Students from all the programs enthusiastically participated in all the activities.

The inaugural session was organized on Tuesday, May 10, which was graced by Chief Guest, Hon'ble Vice-Chancellor Prof. (Dr.) Farzana Mahdi, Era University, Lucknow. Assistant Registrar Prof. (Dr.) Anuja Bhargava, Dr. Anu Chandra, Registrar, and Dr. Ghazala Zaidi, the Assistant Registrar, were also present. The dignitaries lighted the traditional Lamp, which was then followed by a motivational speech by the Chief Guest. Prof. (Dr.) Priscilla Samson, HOD, Mental Health Nursing Department, Era College of Nursing, revealed the theme of International Nurses Day 2022. Ms. Godhuli Ghosh, Acting Dean/Principal of Era College of Nursing, gave an overview of the various activities to celebrate Nurses Week. The inaugural session was followed by co-curricular activities, including Debate, Extempore, and Quiz. The faculty from different departments were invited to judge the sessions.

On the May 11, 2022, an Exhibition was organized on the Nurses Day theme 2022. All the five departments of the Faculty of Nursing; Medical-Surgical Nursing, Community Health Nursing, Obstetrics and Gynaecology Nursing, Paediatric Nursing, and Mental Health Nursing participated. Models and posters were presented by the students. The session was graced by Prof. (Dr.) M.M.A. Faridi, Dean/Principal, Era's Lucknow Medical College & Hospital. The students put food stalls up, which were a great hit.

On May 12, 2022, Lamp Lighting and Oath Taking Ceremony were organized for the 11th Batch of B.Sc. Nursing, 19th Batch of GNM, and 8th Batch of ANM students. A total of 280 nursing students took part in this solemn ceremony. Prof. (Dr.) M.M.A. Faridi, Dean/Principal, Era's Lucknow Medical College & Hospital, was the Guest of Honour. He delivered a motivational speech for the freshers. Assistant Registrar Dr. Ghazala Zaidi and Prof. (Dr.) Shadab Rizvi encouraged the incoming students through their addresses. Ms. Wimmy John presented the contribution of Florence Nightingale, the founder of modern nursing. A cultural program was organized and students of all programs participated enthusiastically. Certificates were presented to the participants for the co-curricular and extracurricular activities to boost their morale.

Overall, faculty, staff, and students of the College of Nursing, Era University, enthusiastically worked hard to make this year's Nurses Day, Lamp lighting and Oath taking ceremony a grand success.



WORLD SICKLE CELL AWARENESS DAY

The World Sickle Cell Awareness Day was organized by the Department of Biochemistry, Era Medical College and Hospital, Era University, Lucknow to create awareness about Sickle Cell Anaemia on June 20, 2022. Insightful interactive sessions and a poster competition were organized for the students. Prof. Farzana Mahdi, Prof. M.M.A. Faridi and Prof. Aparna Mishra graced the occasion. The Chief Guest of the event was Prof. Abbas Ali Mahdi, Head of Department, Biochemistry, King George's Medical University, Lucknow. The hon'ble Vice Chancellor, Prof. Farzana Mahdi praised and encouraged the students for their active participation.



AN INTRODUCTION TO THE DEPARTMENT OF PERSONALIZED AND MOLECULAR MEDICINE

With the goal of improving patient care through early diagnosis, risk assessments, better prognoses, and treatment planning, the department was established in 2018. For the prevention, prediction, diagnosis, and prognosis of disease as well as planning appropriate personalized treatment modalities, the Department takes into account each patient's unique pattern of genomics, dietary, and environmental factors. This improves patient health care while also making it more affordable.

The department with the aim to ensure better patient care by enabling each patient to receive early diagnosis, risk assessments, and optimal treatment is working on genetic, pharmacogenetic, dietary, environmental, and metabolic aspects of individual patient in different diseases. This department is currently working on various diseases such as Type 2 diabetes, gestational diabetes, polycystic ovarian syndrome (PCOS), cardiovascular diseases, osteoarthritis, celiac disease, breast cancer, chronic myeloid leukemia, neurodegenerative diseases, cervical cancer etc. The Department published more than 20 research papers and book chapters in different national and international journals between 01.07.2021-01.07.2022.

The Department has well trained team of faculty members who are involved in both intramural and extramural research projects funded by ICMR, DBT, DST, CST-UP etc. and holds publications in various indexed national and international journals endorsing the exemplary research work carried out in the department.

THUSRT AREAS OF RESEARCH:

- Type 2 Diabetes
- Gestational Diabetes
- Polycystic Ovarian Syndrome (PCOS)
- Cardiovascular Diseases
- Osteoarthritis
- Celiac Disease
- Breast Cancer
- Chronic Myeloid Leukemia
- Neurodegenerative Diseases
- Cervical Cancer

Indian Society of Personalized Medicine(Regd.) has been established with the aim to disseminate knowledge and promote research and academic excellence in the field of personalized medicine. The society has been registered under Societies Act 21,1860 of Government of India with **Registration No. LUC/05821/2020-2021**. The society is being established with the vision, keen interest and efforts of several clinicians, scientists from India and abroad.

DEPARTMENTALEVENTS:

In 2021-2022, department organized two Workshops and one international Symposia.

Hands-on Workshop on Basic and Advanced Molecular Biology Techniques. March 30-31, 2022



International symposium on “Newer Trends in Cardiovascular Research” Hands-on Work Shop On Molecular Biology Techniques Including CRISPR/Cas9 Based Gene Editing. 24th June 2022.



TWO DAY CULTURAL FESTIVAL PRISM-2021 ORGANIZED BY SCHOOL OF LIBERAL ARTS AND SCIENCES

The young creative minds from the School of Liberal Arts and Sciences of Era University, Lucknow initiated their first cultural festival- Prism 2021, a two-day extravaganza on October 26 and October 27, 2021. The program started with lighting of the lamp of learning by the honorable chief- guest Ms. Manjari Pandey, the founder director of Manjari's Institute of Music and Fine Arts; Prof. Anu Chandra, Registrar Era University; Prof. Arvind Kumar Srivastava, Dean Faculty of Science and Dr. Sheeba Rizvi, the Head of School of Liberal Arts and Sciences.

On October 26, 2021, the cultural event commenced with a series of competitions where students from different departments of the University fervently took part and exhibited their skills and talents under various programs like: *Think Innovative- waste to wonders, Doodle Making, Calligraphy Competition, Meme making Competition, Clay modelling, Flower arrangement, Salad making competition and Quiz competition.*

The spectacular Day 2 of Prism-2021 on October 27, 2021 started with the inaugural function followed by a welcome speech by the Head of School of Liberal Arts and Sciences, Dr. Sheeba Rizvi accompanied with video messages from Prof. Uma Narain, faculty in-charge and Dr. Ghazala Zaidi, Assistant Registrar, Era University, Lucknow. The event was further followed by other programs beginning with solo dance performance, embracing a high dose of entertainment and made the crowd dance to the music beats. The next program was in the form of a live action video emphasizing upon the beauty of Liberal Arts course keeping it aligned with NEP-2020. The next performance was an Indo- western group dance stressing on fusion and the need to blend diverse subjects to bring out the glory of diversification.

Keeping up with the zeal, the event was followed with melodious performances in the form of solo-singing by energetic singers speeded with a visual treat in the form of E- Art exhibition- showcasing a collection of artworks created by students various departments. The fest also provided a peek into the poetic side of the blooming poets at Era University. The fest was followed by a splendid group song performance. Travelling brings a sense of joy, thrill, interest and a great source of enhancing knowledge.

Keeping this in mind Prism-2021, organized a virtual tour of various historical places which took the audience on a virtual voyage.

The highlight of the cultural festival was the drama performance, reflecting the agitation over the corruption in Indian Academic System and promoting the multidisciplinary approach in higher education. The audience was thoroughly enthralled by students' impeccable performance. Later, the winners of various events were appreciated by giving them the certificates and medals for their achievements.

At the end of the program, the honorable chief guest graced the stage and addressed the gathering of students. Last but not the least Mr. Saurabh Tiwari wrapped the event with his vote of thanks. The two-day cultural fest, Prism-2021 saw magnificent performances and everybody looks forward to its return in 2022 with greater vigor, spirit as well as participation.



5 DAY WORKSHOP ON “CYBER CRIME AND CYBER SECURITY”

Cyberattacks in the 21st century are a part of deliberate exploitation experienced by the population. Cybercrime is a criminal activity. It is not only committed by cybercriminals or hackers but also by individuals, organizations, or institutions. Looking into the need of creating

awareness regarding the same, School of Liberal Arts and Sciences, Era University, Lucknow organized a 5 days online workshop on “**Cyber Crime and Cyber Security**” from **December 13, 2021 to December 17, 2021**. The first four sessions of the workshop were organized online, Ms. Syeda Saleha Jafri, Assistant Professor, Era University hosted the workshop in the online sessions. The Valedictory session of the workshop was organized in the blended mode i.e both online and offline at Era University, Lucknow on December 17, 2021. Around 180 participants including international participants attended the workshop.

Honorable Vice-Chancellor, Era University, Prof. Farzana Mahdi was the Patron and the Additional Director Administration Mr. Zaw Ali Khan, along with Prof. Uma Narayan, Academic Advisor, Era University accepted to be the co-patron. They rendered their complete support to make the workshop happen. Dr. Sheeba Rizvi, Head of the Department was the convener, backed by coordinators, Dr. Manal Zehra, Ms. Swati Joshi, Ms. Hershika Verma, and the entire faculty of School of Liberal Arts & Sciences.

Day 1

On December 13, 2021, Dr. Mansaf Alam, Associate Professor, Jamia Milia Islamia, New Delhi oriented the participants about “Cyber Crime and Cyber Security”, in the first virtual session. The session was very interactive. He talked about the most common type of cybercrime and presented statistical data of the top 20 countries generating cybercrime. He briefed the participants about the major types of cyber-attacks prevailing. His erudite knowledge was well received by the attentive audience, as various aspects of the topic were unfolded. Dr. Mansaf holds the credit for conducting the maximum number of awareness workshops in this regard. He stole the show with his excellent slides and presentation. The enthusiasm of the participants came forth in the form of queries put up by them, which were proficiently answered by him.

Day 2

On December 14, 2021, Dr. Om Pal Scientist D, Ministry of II, Government of India, created awareness amongst the participant regarding 'Quantum Security' which is an area of application of quantum theory. Technical jargon related to

quantum security was introduced like quantum analysis, quantum communication, quantum sensing, etc. He oriented the participants about the quantum research going-on in India and its further scope as many projects in relation to this are being run by the Ministry of Electronics and Technology. The future prospect of quantum theory is that short and long term courses could be introduced at UG and PG level in universities, Research & Development on a different aspect of quantum theory could be offered in the coming times.

Day 3

After two successful sessions, on December 15, 2021, Dr. Kiran Chaudhary, Assistant Professor, Shivaji College, University of Delhi initiated a talk on “Cyber Security in India”. Dr. Kiran introduced the term 'IT Law' responsible for all online transactions. Salient features of the IT Act 2000 were elaborated, she laid emphasis as to how lack of knowledge regarding these laws makes us a victim. Case-based clarity was given on Section 66 'A'. Many recent cases were discussed. She explained the “Justice Dispensation System” in great detail. The final conclusion of the session can be summed up in a line; an individual who is unaware of the uses of the cyber world is vulnerable to the risk it poses, so adequate knowledge is the only savior.

Day 4

On December 16, 2021. Dr. Vinod Kumar, Assistant Professor, Allahabad University was the speaker. “Cryptography in Cyber Security” was the topic covered by him, he enlightened the participants with types of attack i.e. active and passive, he also acquainted them with prefixes and adjectives used in cybercrime. The taxonomy of security goals was elaborated. Participants were informed about the technical jargons like snooping, replaying, traffic analysis and repudiation. This greatly enhanced the knowledge of the participants.

Day 5

The valedictory session of the workshop was organized offline at Era University, Lucknow on December 17, 2021. As a matter of pride, the occasion was graced by the honorable Vice-Chancellor, Prof. (Dr.) Farzana Mahdi. She wholeheartedly gave a warm welcome to Dr. Mansaf Alam, Associate Professor, Jamia Milia Islamia. The program was concluded by the vote of

thanks given on behalf of the School of Liberal Arts and Sciences by Ms. Swati Joshi, Assistant Professor, Era University.

The entire workshop was conducted in an interactive manner, as a lot of pertinent questions were raised, which were answered in great detail. The entire sessions were meticulously designed and executed, it covered a wide range of issues from Computer Security, Cryptography, Digital Money, Secure Protocols, and Security Techniques brought awareness about data security and privacy drainage from known and unknown sources. This Workshop aimed to stimulate the intensity and need of cyber security among the professors, teachers, research scholars from different parts of the country and abroad. The focus of the sessions was to create awareness about the usage of networking devices, which have become a part and parcel of everyone's life.



FULBRIGHT-NEHRU FELLOWSHIP PROGRAM

A guest lecture was organized by Era University, Hardoi Road, on April 11, 2022, for the academic session 2023-24, for information on Fulbright-Nehru and other fellowships. Dr. Sudarshan Dash as a guest of the program gave informative information about the fellowships of the Fulbright Commission of India under the United States-India Education Foundation (USIEF). He guided the students about 22 types of fellowships under the program, which can be availed by researchers, lecturers, and students.

Dr. Dash serves as the Senior Program Officer at USIEF. In the program, Era University's Additional Director of Administration Mr. Zaw Ali Khan, subject expert Prof. Uma Narayan, Dean Faculty of Science Dr. Arvind Kumar Srivastava, faculty members of various departments, researchers, and students were present.

The program was also telecast online on Zoom, in total, more than 200 students and scholars benefitted from the program. The program was coordinated and conducted by Dr. Sheeba Rizvi, Head, School of Liberal Arts and Sciences. At the end of the program, Prof. Uma Narayan thanked the guests and all the participants. She expressed hope for more students to avail these fellowships.



Creative Arts Club at Era University

School offers a place where the student tries to blend in, but college gives a chance to embrace and rejoice and ultimately makes a student exclusive. The goal of the Creative Arts Club at Era University is to offer holistic education by balancing academics with extracurricular activities.

We lay due emphasis on a plethora of activities through active contribution in various artistic and cultural events under the aegis of **Era's creative Arts Club**, which was established in the year 2018. The purpose of the Creative Arts Club is **to create interest in creative imagination amongst students** by developing visual literacy, developing a practicum based on theory, to write and speak effectively and clearly, developing the technical skills and conceptual skills of the students.

The club attempts to foster creativity among the students by organizing activities like **Doodle Making, Rangoli /Alpana making, Portrait making, Poster Making Competition, Book Review Contests, Story Writing Competitions, Plantation Drives** etc. Creative arts club meetings are held among all the departmental coordinators which are centered on collaborative planning and discussions. Attendees are also encouraged to bring-in new ideas and talk about them as to how they can be introduced by club coordinators who can in turn guide students to find out and create their own understanding to make learning less stressful for themselves without compromising value or quality. This is the reason why Era University organizes various programs under the Creative Clubs to cater to various interests. This aspect includes a wide range of co-curricular activities in form of competitions where students get a chance to learn and exhibit their potential. **Students of all branches are welcome to participate and learn!**

Officiating members of Era's Creative Arts Club:
University Convener:

Dr. Rupali Mirza, Associate Professor

Co Conveners:

Dr. Shazia Fatima, Assistant Professor

Ms. Hershika Verma, Assistant Professor

We hope that this endeavor will not only expand the horizons of our students but also cultivate their hidden talents through maximizing their creative abilities along with their academic skills.



WORLD HEARING DAY ORGANIZED BY DEPARTMENT OF OTORHINOLARYNGOLOGY, ERA'S LUCKNOW MEDICAL COLLEGE AND HOSPITAL, ERA UNIVERSITY

To Hear For Life, Listen With Care!

Department of Otorhinolaryngology, Era's Lucknow Medical College and Hospital, Lucknow conducted an awareness activity on the occasion of World Hearing Day on March 3, 2022 (Thursday) with WHO theme of Hearing Care For All: To Hear For Life, Listen With Care! in the Mini Auditorium, University Building, Era's University.

The theme of WHO was presented through banners, posters, and rangoli made by the undergraduates Medical, Nursing and other Allied students. There was an Interactive Session and a Guest lecture by Dr. (Prof.) Ramesh Dept. of ENT St. John Medical College Bengaluru, on the Topic: *“Strategies for Accessible and Affordable Ear Care”*. The event was attended by post graduate students of department of ENT, other Specialties and Allied Students. The Program was concluded by a poster walk which was attended by all the dignitaries guided by the faculty members of the department of ENT. The event was appreciated by everyone including students and faculty.



WORLD ENVIRONMENT DAY ORGANIZED BY CREATIVE ARTS CLUB, ERA UNIVERSITY

On the occasion of World Environment Day, under the aegis of Creative Arts Club a plantation drive and slogan writing competition was organized on June 3, 2022. The day aims to focus on the importance of the environment and to remind us that nature should not be taken for granted. The coordinators of the event were Dr.Swati Sachdev and Dr.Manaal Zahera. 28 students from Era University participated in the event with great enthusiasm. The esteemed judges for the event were Dr. Sheeba Rizvi and Dr. Toukeer Khan. The planation was done by the students and faculty members in the garden area of the university campus. Venue for the slogan writing competition was LT-1, university building first floor. The event was coordinated by the conveners of the Creative Arts Club, Dr Rupali Mirza (Chairperson), Dr. Shazia Fatima and Ms Hershika Verma (Co-Conveners).



EU ERA UNIVERSITY
CREATIVE ARTS CLUB IS ORGANIZING
Plantation Drive and Slogan Writing Competition on World Environment Day

Date: June 04, 2022 (Saturday)
Time: 12 noon- 1:00 PM
Venue: LT1, First floor University building

Guidelines:

- Pre-registration is compulsory for participation.
- Students should bring one plant sapling for the plantation drive.
- Students should bring A4 size paper for writing slogan.
- Students should also bring their own stationery.

Event Coordinators:
 Dr. Swati Sachdev and Dr. Manaal Zahera
 Assistant Professor(s),
 School of Liberal Arts and Sciences,
 Era University

Conveners, Creative Arts Club, Era University:
 Dr. Sheeba Fatima and Ms. Hershika Verma,
 Co-Conveners, Creative Arts Club, Era University

3 DAYS ONLINE WORKSHOP ON DIGITAL MARKETING

ORGANIZED BY DEPARTMENT OF COMPUTER SCIENCE, ERA UNIVERSITY, LUCKNOW

in Collaboration with Make Skill, Delhi

A Workshop entitled ‘**Digital Marketing**’ was organized by the **Department of Computer Science from 1st July to 3rd July 2021**, 3 P.M. onwards in the Computer Science Lab, Era University. Mr. Tapan Kumar Jain, Google Certified Digital Marketer, MakeSkill, Delhi conducted the workshop. This workshop aimed at making students learn how to make money from the social media platform and online marketing through the different websites. The students participated in whole time of workshops and enjoyed. The resource person discussed several ways of digital marketing and tools of digital marketing as per demand of the new generation customers. The students found the workshop very informative and enriching their knowledge. They liked this type of workshops and appreciate it for more activity in future. It was indeed a very well executed. workshop and the participants enjoyed it thoroughly. Mr. Jeeshan Ahmad Khan, Ms. Minhaj Khan and Mr. Nafees Akhter Farooqui from Department of Computer Science, Era University, were the main organizers.

GUEST LECTURE ON CYBER AWARENESS ORGANIZED BY DEPARTMENT OF COMPUTER SCIENCE, ERA UNIVERSITY, LUCKNOW

Under Cyber Surakshit Bharat Program

(Ministry of Electronics and Information Technology)

A Guest Lecture on ‘**Cyber Awareness**’ was organized by the **Department of Computer Science on December 24, 2021**, 2 P.M. onwards in the Mini Auditorium, Era University. Mr. Atma Prakash Singh, Assistant Professor, Department of Computer Science, BBD University Lucknow, delivered the lecture. The aim of the lecture was awareness of cyber security and protection of confidential information from the hackers. The students and faculty members attended the lecture and enriched their knowledge about the cyber

laws and security. Dr. Mohammad Islam organized the program from Department of Computer Science, Era University.

ONE DAY WORKSHOP ON PYTHON WITH FLASK (FRAMEWORK) BY THE DEPARTMENT OF COMPUTER SCIENCE

A Workshop entitled ‘Python with Flask (Framework)’ was organized by the Department of Computer Science on March 5, 2022, 11:00 A.M. onwards in the Mini Auditorium, Era University. Mr. Animesh Mishra (Technical Expert) and Ms. Sadiya Anjum (HR manager) Teknavigators Lucknow conducted the workshop. This workshop aimed at making students learn how to work on the Python Flask and their importance in the advance technological innovations. The students participated with vigor and excitement. The resource person discussed different technical aspects and importance of the Flask of the new generation software. The students found the workshop very informative. It was indeed very well executed. Dr. Syed Azhar Abbas Rizvi and Ms. Minhaj Khan organized the workshop from Department of Computer Science, Era University.

ONE DAY WORKSHOP ON MICROSOFT TECHNOLOGY (.NET) ORGANIZED BY DEPARTMENT OF COMPUTER SCIENCE, ERA UNIVERSITY, LUCKNOW

A Workshop entitled ‘Microsoft Technology (.NET)’ was organized by the Department of Computer Science on May 21, 2022, 10:00 A.M. onwards in the Mini Auditorium, Era University. Mr. Avinash Sharma (CEO) and Ms. Anjali Pathak (HR manager) COSMO Info Solution, Lucknow conducted the workshop. This workshop aimed at making students learn the basic concepts of Microsoft Technology (.NET) and their usage in the Software development. The resource person discussed the basic concepts on .NET and gained hands on practices on the Framework. The students found the workshop very informative and enriched their knowledge. They appreciated the workshop and requested for similar workshops in future. It was well executed by the hosts. Dr. Syed Azhar Abbas Rizvi and Mr. Nafees Akhter Farooqui organized the workshop from the Department of Computer Science, Era University.



CHAURI CHAURA SHATABDI SAMAROH

Era University proudly celebrated a series of events in the Chauri Chaura Shatabdi Samaroh from January 8, 2021 to June 18, 2022. Many programs were organized ranging from patriotic singing competition to bizarre art competition based on atrocities committed by the British on the native Indian population. Other events organized included patriotic singing competition, rangoli, patriotic poetry competition, patriotic poster-making competition, patriotic dance competition, virtual tour of freedom struggle sites, patriotic portrait making competition, quiz on freedom struggle, extempore speech on patriotism and patriotic calligraphy competition.



INTERNATIONAL YOGA DAY

International Yoga Day was organized by the Department of Physiotherapy, E.I.A.H.Sc. & R on June 21, 2022 at the Main Auditorium, Era University. Program was attended by approximately 300 students of various departments of Era University with faculty members. Yoga day protocol and Surya Namaskar were the highlights of the celebration. Yoga Instructor, Mrs. Anjali Mishra, performed yoga asanas which were followed by the teachers, students and staff members of Era University. Prof. S. Riaz Mehdi, Dean- E.I.A.H.Sc. & R, Dr Sumit Asthana, Assistant Dean and Head, Department of Physiotherapy, Dr Shallabh Kumar Singh, Dr Anupama Dhuria, Dr Arif Rizvi and other faculty members with students from Faculty of Allied Health Sciences, Faculty of Science, Era College of Nursing and Era College of Pharmacy.





ONE DAY NATIONAL WORKSHOP ON MENSTRUAL HEALTH AND HYGIENE

The Department of Food and Nutrition, Era University organized a One Day National Workshop on April 1, 2022 themed “Menstrual Health & Hygiene” at Era University, Lucknow. The Guest Speaker was Dr Ananya Ghoshal, Menstrual Health Expert Officer, UNICEF, Lucknow. The Guest Speaker delivered a lecture on correct menstrual practice and hygiene which was followed by the demonstration of various menstrual products and kits. Lastly, there was a question and answer session. Students actively participated and were benefitted by resolving their queries regarding menstrual practices. Around 250 students had participated in the workshop and they received participation certificate and free pads after culmination of programme.



GYAN MANTHAN GUEST LECTURE BY (RJ) MR. PRATEEK MEHRA FROM RADIO CITY

Era University organizes variety of programs under the series **Gyan Manthan** every Saturday. On April 2, 2022 a guest lecture on the topic **Role of Youth in 21st century** was organized under the banner of Gyan Manthan. (RJ) Mr. Prateek Mehra, Programming Head and Industry Expert, Radio City, Lucknow was the speaker of the day. The program was organized in the Mini Auditorium, Ground Floor, University Building from 12 noon onwards. Mr. Prateek delivered his lecture in an interactive manner and students enthusiastically participated in the discussion. All the queries and doubts of students were answered by Mr. Prateek. He advised students to always remain confident

about their talent and calibre. 100 to 150 students participated in the event. Besides that, heads of different departments and faculty members were also present in the program. The program was coordinated by Ms. Swati Joshi of School of Liberal Arts and Sciences. She winded up the event by thanking the speaker, university management, registrar, faculty members and students for successful completion of the event.



TALK ON CYBER CRIME AT ERA COLLEGE OF PHARMACY, ERA UNIVERSITY

COVID-19 pandemic lead to the dependency on online mode of teaching and usage of online communication like never before. As a result, there has been a sharp increase in the cyber-crime cases as well. To make our students as well as other members of the Era College of Pharmacy, Era University aware of cyber-crimes and cyber security, an invited talk was delivered in which Cyber Crime Officers from Lucknow, Hazratganj branch came together and shared their experience and knowledge on the topic “Irresponsible use of Social Media: Emotional and Judicial Consequences.”

Around 250 students gathered to be a part of this awareness programme who asked innumerable questions from the cyber-crime officers , Senior Inspector Shishir Yadav, Cyber-crime officers Ajay Pratap Singh, Avinash Verma, Akhilesh Patel and Govind. The officers very politely explained the consequences, types of cases, ways frauds can happen and how they track the criminals.

The offences and penalties were explained as per the IPC and also the emotional, personal losses that happened as the aftermath of such misconduct. To arrange this program, ACP Dilip Rai, Nodal officer Ranjeet Rai , officers Randheer Singh and Adil Raza had equally contributed who could not be physically present due to their official commitments.

On this occasion all the faculty members of the Pharmacy college, Principal, Dr. Mohini Chaurasia, Assistant Registrar Dr. Ghazala Zaidi also asked their questions and in their address to the students also emphasized on the yester years' and current years' misuse of the internet. A interactive session was conducted by Ms. Azmat Zehra, Assistant Professor, Era College of Pharmacy.





THYROID CAMP AT ERA UNIVERSITY ON WORLD THYROID DAY

On the occasion of World Thyroid Day, a 2 days thyroid function screening camp for the faculty, staff and students of Era University was organized where TSH was done for 175 people on May 24 and May 25, 2022. World Thyroid Day is observed globally on May 25. Under this program, the department of Medicine had organized a 4 lecture CME which was inaugurated by hon'ble Vice Chancellor, Prof Farzana Mahdi, HOD department of Medicine, Dr Jalees fatima and eminent guest faculty, Governor of American College of Physicians India chapter, Prof Anuj Maheshwari, Heads of department of various departments of Era medical College, Prof Uma Singh, Prof Seema Singh and other senior faculty from KGMU including Prof Narsingh Verma and Prof Siddharth Das.

Many academic activities for Postgraduate students were done which were conducted by the faculty members of the department of Medicine, Prof Vaibhav Shukla, Prof Zeba Siddiqui, Prof Devendra Kumar and Dr Divyansh Bhatt. The activities like Post graduate quiz and Poster presentation were organized. Students from several departments took part enthusiastically and the winners were given certificate of appreciation during CME.

The lectures delivered were titled “Management of hypothyroidism” by Prof Anuj Maheshwari, “Chronobiology of thyroid dysfunction” by Prof NS

Verma, “Management of autoimmune thyroiditis” by Prof Sharad Kumar, “Hypothyroidism and pulmonary hypertension a rare but important association” by Prof Jalees Fatima. This program was done under the government of UP initiative "Azadi ka Amrit Mahotsav" and was conducted under the aegis of American College of Physicians India chapter. Program was attended by good number of faculty members and residents.

In the beginning, Prof Jalees Fatima, in her welcome address emphasized upon screening for thyroid disease as it may present with vague symptoms. Hon'ble Vice Chancellor, Prof Farzana Mahdi gave her blessings and expressed her views on importance of such academic activities. Prof Anuj Maheshwari said that the ACP is determined to focus its activities for early career physicians and young students.



ANNUAL SPORTS MEET 2021 EBULLIENCE 3.0

The Annual Sports Meet, Ebullience 3.0 was organized from December 19, 2021 to December 22, 2021 at Era University, Sports Ground. Cricket matches, Volley Ball matches, Badminton and Athletics were organized as parts of the event. Mr. Jeeshan Ahmad Khan, Sports In Charge, Mr. Mohd. Arif, Coordinator and Mr. Nafees Akhtar Farooqui, Coordinator were the people who made all the arrangements for the activities and worked hard to make the event a huge success. In the finals of the Cricket matches, the Spartan team won against the Panthers and the Warriors won from the Spartans. In the Volley Ball match, the Spartans won from the Panthers and in another match the Spartan won against the Warriors. In the Badminton match, Gulrez from Spartan won, Akansha from Warriors won against Spartan player, Syed Raza and Ayush from Spartan won and Wajiha and Fauzia won from Warriors team. In Chess, the Warriors defeated other teams. In the game of Carrom, Alvia Hassan and Yaseen Zehra won from Warrior team and Gulrez and Sahil Ansari from Spartan Team won, also, Shoaib Ali from Warriors Team won. There was a tough competition among the participating teams who exhibited the true spirit of sportsmanship.



SESSION ON “STAND AGAINST STREET HARASSMENT” BY BREAKTHROUGH ORGANIZATION IN PARTNERSHIP WITH L’OREAL PARIS

Era University, Lucknow organized 1 day offline session on the topic “Stand against Street Harassment” on **December 11, 2021**. The Speakers of the Session were from Breakthrough Organization in partnership with L'Oreal Paris. The convener of the session was Dr. Shazia Fatima, Assistant Professor, School of Liberal Arts and Sciences. This was a counseling session to educate students as violence and discrimination against women and girls in India has increased enormously. This program was designed to encourage the people to break the silence and intervene in sexual harassment to create a world wherein every individual can live a life of dignity equality and justice. The underlying mission was to make violence and discrimination against women and girls unacceptable by building gender sensitive adolescents and young adults.



INTERNATIONAL WOMEN'S DAY 2022 AT ERA UNIVERSITY, LUCKNOW

Era University celebrates International Women's Day every year with great fervor. To commemorate this day on March 8, 2022, the celebration of the achievements and the contribution of women in the Institution was appreciated by the management and authorities. The program started by kindling the lamp of knowledge and wisdom by the Chief Guest, Ms. Sabra Habib, Prof of Russian at University of Lucknow, Uttar Pradesh along with the hon'ble Vice-Chancellor Prof. Farzana Mehdi, Prof. Anu Chandra, Registrar, Dr. Ghazala Zaidi, Asst. Registrar, Prof. Arvind Kumar Srivastava, Dean Faculty of Science, and Dr. Sheeba Rizvi, Head School of Liberal Arts and Sciences, Era University. On this auspicious occasion, seventy-one female staff working from 2008 to 2011 were felicitated by the Chief Guest Prof. Sabra Habib. This was followed by her motivational and inspiring speech in which she inspired and encouraged all the women to keep excelling consistently and to keep moving ahead in life. The program was hosted by Ms. Syeda Saleha Jafri. All the heads and faculties of Era University graced the occasion. The event became lively by a song performance by Dr Sheeba Rizvi and Ms. Swati Joshi. Hon'ble Vice Chancellor, Prof. (Dr.) Farzana Mahdi encouraged the audience and faculty through her valuable words.



LECTURE AND WORKSHOP ON INAUGURATION OF 3 TESLA MRI IN DEPARTMENT OF RADIOLOGICAL IMAGING TECHNIQUES

Department of Radiological Imaging Techniques, Era University Lucknow organized a workshop cum lecture on the occasion of inauguration of 3 Tesla MRI in department of Radiodiagnosis, ELMC&H, Lucknow on June 28, 2022 with the objective of better care of patients and enhancing knowledge in advanced imaging modalities for students & technologists.

A Lecture was delivered by Chief Guest, Professor Sayed Riaz Mehdi, Dean Allied Health Science & Research on professional ethics to the technicians and students. The event was also graced by the presence of eminent faculty members of Radiodiagnosis and Radiological Imaging Techniques departments Prof. D.P. Gupta, Dr. Taruna Singh, Dr. D.K. Saxena, Mr. Dilshad Ahmad, Ms. Bhawna Solanki, Mr. Ajay Deep Singh, Mr. Bhanu Prakash Awasthi, and Mr. Arif Hussain Malla.

A lecture was delivered by Chief Speaker Prof.(Dr.) Sachin Khanduri, Head, Department of Radiodiagnosis, ELMC&H, Lucknow on advantages and advance imaging features of 3 Tesla MRI specially related to the cancer detection and functional MRI for various chronic conditions like Alzheimer to name a few.

A brief lecture was also delivered on contrast media administration outlining its most appropriate types & routes of administration along with possible side effects of contrast media and its management.

As earlier the department had 0.4 Tesla MRI, this addition of high end equipment has paved great ways towards subtle diagnosis in various chronic diseases and upcoming research. The lecture was beneficial for students and technicians and their queries were also resolved on the same platform.



INTRAMURAL RESEARCH PROJECTS 2021

| S. No. | Department | Principal Investigator | Title of the Project | Status |
|--------|--------------|------------------------|--|------------|
| 1. | Medicine | Dr. Divyansh Bhatt | Study of convalescent plasma therapy and outcomes in moderate to severe Covid-19 patients: experience at a level 3 hospital of North India | Completed |
| 2. | Paediatrics | Dr. Geetika Srivastava | Perception of Pediatric Clinical Training by Undergraduate Medical Students using Dundee Ready Education Environment Measure (DREEM) questionnaire | Continuing |
| 3. | Paediatrics | Dr. Geetika Srivastava | Study of immune response to hepatitis B vaccine in children with Nephrotic Syndrome (NS) –a multicentre study | Continuing |
| 4. | Psychiatry | Dr. A. Q. Jilani | Psychological problems, knowledge, attitude and practices of patients being treated for COVID-19: A cross-sectional study in India | Completed |
| 5. | Obst & Gynae | Dr. Fareha Khatoon | To study the association between decision to delivery interval in emergency caesarean section and evaluate its maternal and perinatal outcome | Continuing |
| 6. | Microbiology | Dr. Mastan Singh | Molecular Characterization of Candida Species from Clinical Samples | Completed |
| 7. | Pathology | Dr. Sharique Ahmad | Relationship between the ABO Blood Group and the COVID-19 Susceptibility | Continuing |
| 8. | Paediatrics | Dr. Areesha Alam | Clinical and laboratory profile of children with COVID-19 admitted in a tertiary Care Hospital | Completed |

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| 9. | Paediatrics | Dr. Lily Singh | C-Reactive protein concentration and its co-relation with severity in COVID pediatric patients. | Completed |
| 10. | Paediatrics | Dr. Sumaiya Shamsi | Hepatic and Renal functions in Pediatric COVID-19, admitted to a Tertiary Teaching Hospital | Continuing |
| 11. | Pathology | Prof. A. N. Srivastava | Correlation between persistent Squamous intraepithelial lesions of cervix and human papilloma virus infection | Continuing |
| 12. | Anaesthesiology | Dr. Madhulika Dubey | Comparison of Dexamethasone and Methylprednisolone on outcome in COVID-19 Patients: A retrospective cohort study | Completed |
| 13. | Anaesthesiology | Dr. Mohd. Mustahsin | Efficacy of Tocilizumab Therapy in COVID Intensive Care Patients and its outcome | Continuing |
| 14. | Paediatrics | Dr. Lily Singh | BCG vaccine local reaction after administration of f-IPV, rotavirus and pneumococcal vaccine under the national immunization schedule. | Continuing |
| 15. | Personalized Medicine | Dr. Farzana Mahdi | Elucidating post-covid-19 manifestation in India | Completed |
| 16. | Biochemistry | Dr. Brijesh Rathor | Evaluation of foundation course for first year MBBS learners at Era's Lucknow Medical College | Completed |
| 17. | Psychiatry | Dr. A. Q. Jilani | A Survey of Knowledge, perception and practices of medical professionals towards using face masks for prevention of COVID-19 in a tertiary care centre in North India | Completed |
| 18. | Community Medicine | Dr. Abid Asghar | Study of Covid-19 patients in a dedicated L3 Covid hospital of Lucknow | Completed |
| 19. | Community Medicine | Dr. Avi Singh | Review of government strategies towards Covid-19 in India | Completed |
| 20. | Pathology | Dr. Sharique Ahmad | An observational study to assess the reasons for COVID-19 vaccination refusal by Health care workers | Completed |
| 21. | Pharmacology | Dr. Fardan Qadeer | A Retrospective study to assess the efficacy and safety of Favipiravir in the treatment of COVID-19 patients in a tertiary care center of North India | Completed |
| 22. | Pharmacology | Dr. FarihaFatima | A Study of clinical outcome and safety profile of Remdesivir in COVID-19 patients in a Tertiary care centre. | Completed |

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| 23. | Pathology | Dr. A. N. Srivastava | Study of Risk factors for persistence of SIL in women both in HPV positive negative cases. | Continuing |
| 24. | Medicine | Dr. Prof. Jalees Fatima | Immunogenicity of Covidshield Vaccine in Health care workers(HCW) following two dose regime | Completed |
| 25. | Obst & Gynae | Dr. Shweta Kumari | Analysis of episiotomy practice using ascending hierarchical classification | Continuing |
| 26. | Pathology | Dr. Noorin Zaidi | Study of Interleukin 6 levels in critically ill COVID-19 patients | Completed |
| 27. | Radiology | Dr. Taruna Singh | Patterns of chest radiographs of Covid-19 patients at a North Indian Hospital | Continuing |
| 28. | Personalized Medicine | Dr. Farzana Mahdi | Skill laboratory and skill training program :A survey of Indian medical institute | Continuing |
| 29. | E.N.T | Dr. Anuja Bharagava | Sensorineural Hearing Loss in Gestational Diabetes in a North Indian Tertiary Hospital: A Pilot study | Continuing |
| 30. | Paediatrics | Dr. Lily Singh | Disruption in routine immunization under national immunization schedule during COVID times, a questionnaire based retrospective study at a tertiary care centre | Continuing |

EXTRAMURAL RESEARCH PROJECTS
Year 2015-2022

| Sr. No. | Funding Agency | Year | Title of the project | Principal Investigator | Sanctioned Grant | Status |
|---------|----------------|------------|--|------------------------|------------------|------------|
| | ICMR | 24.01.2022 | Design and Development of a Lectin-based Lateral Flow Assay Biosensor for Early and Rapid Diagnosis of SARS-CoV- 2 infection | Dr. Rumana Ahmad | Rs.25,00,000/- | Continuing |
| 1. | ICMR | 1.12.2021 | Anticancer potential of active compounds from pulp extracts of Indian phalsa (<i>grewia asiatica L.</i>) fruits against human oral squamous cell carcinoma and their possible mechanisms | Dr. Sahabjada | Rs.10,04,238/- | Continuing |
| 2. | CST,UP | 23.03.2021 | Circumventing multi drug resistant breast cancer via nano adjuvant oral multifunctional nano emulsion platform by incorporating taxanes with andrographolide. | Dr. Mohini Chaurasia | Rs.11,94000/- | Continuing |

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|----|---------|------|--|-------------------------------------|----------------|------------|
| 3. | ICMR | 2019 | Development of Pembrolizumab based Cancer-Immunotherapy combined with Cisplatin Loaded Nano- Carrier System for Oral Cancer chemotherapy | Dr. Saurabh Srivastava | Rs. 3750000/- | Continuing |
| 4. | CST,UP | 2016 | Correlation of AgNor Pleomorphism with HPV Positivity in Cervical Carcinogenesis for Extrapolating as first line Screening investigation. | Dr. A.N. Srivastava/Dr. J. S. Misra | Rs. 6,80000/- | Completed |
| 5. | CST,UP | 2016 | Role of circulating micro-RNA's as a biomarker for Type II Diabetes Mellitus. | Dr. S. Tasleem Raza | Rs. 901500/- | Completed |
| 6. | DST | 2016 | Mesenchymal stem cells exert neuroprotection in cerebral stroke by modulating autophagy | Dr. S. Shadab Raza | Rs.25,75,047/- | Completed |
| 7. | I.C.M.R | 2016 | To study the anticancer activity of aqueous plant extract on breast cancer cell lines and expression of BRCA1, BRCA2, ATM, CHEK2 and TP53 genes. | Dr. Farzana Mahdi | Rs.18,05,000/- | Completed |
| 8. | D.B.T | 2015 | Co-relative significance of inflammatory pathway gene polymorphisms-interleukin-1-rn, 1 β (-511c/t and+3953c/t), 6 (174a/g) and 10 (-1082 a/g and -819c/t), with interleukin serum levels and intensity of angiogenesis in the progression of hpv positive cervical Cancer | Dr. Shipra Kunwar | Rs19,60,500/- | Completed |
| 9. | CST, UP | 2015 | Helicobacter pylori infection, micro-RNAs (335 & 149) expression and presence of cancer stem cell markers (CD44 ⁺ CD133 ⁺) in carcinoma gall bladder with or without cholelithiasis: A correlative study | Dr. A.N. Srivastava | Rs. 5,84,000/- | Completed |

ICMR SRF Fellowships: -2021

| Sr. No. | Funding Agency | Title of the project | Student Name | Guide |
|---------|----------------|--|---------------------|-------------------|
| 1. | ICMR-SRF | Osteogenic and chondrogenic potential of daucus carota extract and their osteochondral interaction on primary culture of osteoblasts and chondrocyte cells | Mr. Khursheed Ahmad | Dr. Sahabjada |
| 2. | ICMR-SRF | Unraveling the role of clinico-genetic correlation in North Indian women with fibromyalgia syndrome | Ms. Sidrah Parvez | Dr. Ghizal Fatima |

FACULTY & STUDENTS AWARDS, ACHIEVEMENTS & FELLOWSHIPS

Year-2020-21

| Sr. No. | Name | Designation | Department | Name of the award and Name of the centre government agency/international agencies from where award has been received |
|----------------|------------------------|---------------------|--------------------|---|
| 1. | Dr. Sucheta Dandekar | Professor | Biochemistry | Global Faculty and project advisor, USA |
| 2. | Dr. Rumana Ahmad | Professor | Biochemistry | Consolation prize for poster presentation (National Biomedical Research Competition NBRC), PGIMER, Chandigarh |
| 3. | Dr. Somya Pandey | Senior Resident | Pediatrics | Gold Medal, 41st Annual conference of academy of Pediatrics, Uttar Pradesh. |
| 4. | Dr. Sharique Ahmad | Professor | Pathology | Chartered global peace building professional (CGPP) Through academic year. |
| 5. | Dr. Sharique Ahmad | Professor | Pathology | Certificate of achievement Outstanding Scientist Award |
| 6. | Dr. Sharique Ahmad | Professor | Pathology | SNO student network organization Award |
| 7. | Dr. Sharique Ahmad | Professor | Pathology | Best Researcher award 4th International Scientist award on engineering, Science and medicine, Chennai India. |
| 8. | Dr. Afroz Abidi | Professor | Pharmacology | Fellowship - Fellow of Scholars Academic and Scientific Society (SAS Society) |
| 9. | Dr. Vikas Trivedi | Professor | Orthopedics | Best paper award, Virtual presentation-94 th Annual Japanese Orthopedic Association (JOA) annual meeting Tokyo |
| 10. | Dr. Vaibhav Shukla | Professor | Medicine | Covid saviour award from American college of Physicians, ACP India Chapter |
| 11. | Dr. Rajendra Prasad | Professor | Pulmonary Medicine | Prof. MM Singh Memorial lifetime achievement award, dedicated life time contribution in developing and popularizing pulmonary medicine in India, National college of Chest Physicians of India |
| 12. | Dr. Geetika Srivastava | Professor | Paediatrics | Award, A virtual International conference for health professions education (VICHPE 2021) |
| 13. | Dr. Shirish Bhatnagar | Professor | Paediatrics | Award, A virtual International conference for health professions education (VICHPE 2021) |
| 14. | Dr. Anuja Bhargava | Professor | ENT | Best paper award for development and evaluation of IPCP module for the procedure of tracheostomy, International Conference on Inter-professional Education, practice and care(ICONIPEPC), Manipal University College Malaysia |
| 15. | Dr. Fardan Qadeer | Assistant Professor | Pharmacology | Fellowship in diabetes mellitus, Royal liver pool academy, Medvarsity. |

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| 16. | Dr. Shadab Raza | Associate Professor | Biotechnology | Life member, National Academy of Med. Sc. (NAM) |
| 17. | Dr. Jalees Fatima | Professor | Medicine | Fellowship, FACP, ACP 2021 |
| 18. | Dr. Jalees Fatima | Professor | Medicine | Hospitalist of the year award, ACP India Chapter 2021 |
| 19. | Dr. Ajay Mishra | Professor | Medicine | Fellowship, FACP, ACP 2021 |
| 20. | Dr. Ajay Mishra | Professor | Medicine | Fellowship, FICP, ICP 2021 |
| 21. | Dr. Prem Shanker Singh | Professor | Medicine | Fellowship, FECHO, Apollo, Hyderabad, Medvarsity 2021 |
| 22. | Dr. Prem Shanker Singh | Professor | Medicine | Fellowship, FIPC, Apollo, Hyderabad, Medvarsity 2021 |
| 23. | Dr. Prem Shanker Singh | Professor | Medicine | Fellowship, FICM, Apollo, Hyderabad, Medvarsity 2021 |
| 24. | Dr. Prem Shanker Singh | Professor | Medicine | Fellowship, FCCM, Apollo, Hyderabad, Medvarsity 2021 |
| 25. | Dr. Prem Shanker Singh | Professor | Medicine | Fellowship, FACP, ACP 2021 |
| 26. | Dr. M.M.A. Faridi | Professor | Pediatrics | Lifetime Achievement Award at 8th AMDCON 2021, Jamia Hamdard, New Delhi |
| 27. | Dr. Sucheta Dandekar | Professor | Biochemistry | Global Faculty and project advisor, USA |
| 28. | Dr. Sharique Ahmad | Professor | Pathology | Bentham Ambassador 2020-21 award |
| 29. | Dr. Sharique Ahmad | Professor | Pathology | Books for peace special award 2020 |
| 30. | Dr. Sharique Ahmad | Professor | Pathology | 12 th National Eminent academic leader award 2020, ELMC&H |
| 31. | Dr. Sharique Ahmad | Professor | Pathology | Certificate of achievement best researcher award 2020, 4 th International scientist award on engineering, science and medicine, Chennai, India |
| 32. | Dr. PK Sharma | Professor | Anatomy | Certificate of appreciation, KGMU Lucknow |
| 33. | Dr. Jalees Fatima | Professor | Medicine | Best publication award, UP Diabetes Association, UPDACon-2020 |
| 34. | Dr. Jalees Fatima | Professor | Medicine | COVID 19 frontline worker, ACP India Chapter 2020 |

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| 35. | Dr. Anuja Bhargava | Professor | ENT | MAHE FAIMER-MAHE FAIMER Institute |
| 36. | Dr. Prem Shanker Singh | Professor | Medicine | Fellowship, FISH, ISH 2020 |
| 37. | Mr. Khursheed Ahmad | Research Assistant | Biotechnology | Fellowship, SRF, ICMR |
| 38. | Dr. Ambar Khan | Senior Resident | Anaesthesia | 2nd prize online poster presentation TMC-DAC 2020 |
| 39. | Dr. Huda Shamim | Senior Resident | Pulmonary Medicine | Youth talent promotion programme award, Oral presentation, UP Chapter of Indian Chest Society 2020 |
| 40. | Dr. Priyanka Raj | Senior Resident | Ophthalmology | 1st prize in poster presentation, "Correlation of hypertension with nephropathy of the basis of serum creatinine and EGFR" International Conference on personalized medicine concept and role players 2020 |
| 41. | Dr. Akansha Sharma | Senior Resident | Ophthalmology | 2nd prize in poster presentation, "Association of clinical and biochemical status of diabetes with types of diabetic macular Edema" International Conference on personalized medicine concept and role players 2020 |
| 42. | Dr. Mahrukh Khan | Junior Resident | Ophthalmology | 2nd prize Oral paper presentation, Association of acne gene polymorphism with hypertensive retinopathy, ISPMCON 2021, Era Medical College |
| 43. | Dr. Deeksha Tyagi | Junior Resident | Ophthalmology | 3rd prize poster presentation, Serum 25 oh vitamin D and RNFL thickness in patients of primary open angle glaucoma, ISPMCON 2021, Era Medical College, LKO |
| 44. | Dr. Shahzeb Ansari | Junior Resident | Community Medicine | Certificate of Appreciation for securing first place in national oral paper presentation, Conference EFICON 2021 at AIIMS Jodhpur, 29-30 Oct 2021 |
| 45. | Dr. Pankaj Malik | Junior Resident | Anesthesiology | 1st prize in oral paper presentation on 9th and 10th Jan 2021, Tata Memorial Centre - Difficult Airway Conference -2020 (TMC-DMC 2020), Tata Memorial Hospital, Mumbai |
| 46. | Dr. Ambar Khan | Senior Resident | Anesthesiology | 2nd prize in oral poster presentation on 9th and 10th Jan 2021, Tata Memorial Centre - Difficult Airway Conference - 2020 (TMC-DMC 2020), Tata Memorial Hospital, Mumbai |
| 47. | Dr. Aditya Kumar Tripathi | Junior Resident | Dermatology | 1st prize in IGNQPP 2021-22 UP- UK, IADV L quiz on 23.10.2021 |
| 48. | Dr. Govind Kumar | Junior Resident | Dermatology | 1st prize in IGNQPP 2021-22 UP-UK, IADV L quiz on 23.10.2021 |
| 49. | Dr. Arshi Ansari | Junior Resident | Obstetrics & gynecology | 1st position in Dr. Usha Krishna quiz north zone, KGMU, Lucknow on 9.3.2021 |
| 50. | Dr. Rashmi | Junior Resident | Obstetrics & gynecology | 1st position in Dr. Usha Krishna quiz north zone, KGMU, Lucknow on 9.3.2021 |

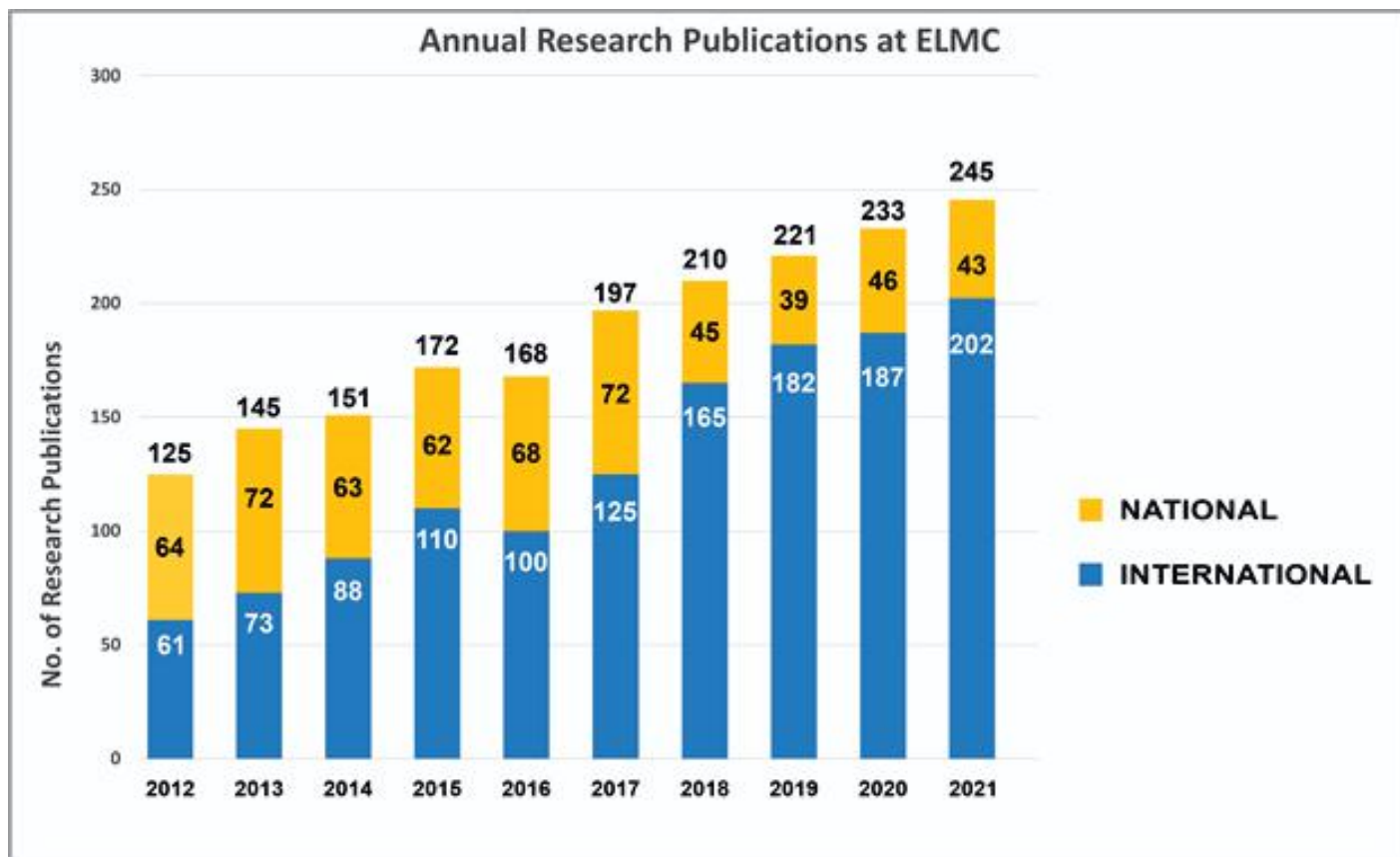
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| 51. | Dr. Ruman Kugashiya | Junior Resident | Medicine | Covid saviour award from American college of Physicians, ACP India Chapter 2021 |
| 52. | Dr. Aarti Kumari | Junior Resident | Medicine | 2nd prize , UPDAICON -2020 |
| 53. | Dr. Zakariya | Junior Resident | Medicine | 4th prize, GCDC 2020 |
| 54. | Dr. Sunny Malde | Junior Resident | Medicine | 2nd prize , UPDAICON -2020 |
| 55. | Dr. Mariyam Haq | Junior Resident | Obstetrics & gynecology | 3rd position in quiz web pearls for obstetrics ultrasound (1st trimester), SONOSCHOOL India 2020 |
| 56. | Dr. Ekta | Junior Resident | Obstetrics & gynecology | 3rd position in poster participation, poster presentation, FOGSSI sexual medicine committee and public awareness 2020 |
| 57. | Dr. Pankaj Malik | Junior Resident | Anesthesia | 1st prize in best paper TMC-DAC 2020 |
| 58. | Dr. Mahrukh Khan | Junior Resident | Ophthalmology | 2nd prize (optometry) free paper, Macular thickness alternation in myopic eyes-oct based study, Annual Delhi Ophthalmic Society 2020 virtual conference |
| 59. | Dr. Rishabh Kacker | Junior Resident | Pulmonary Medicine | Young Scientist Award, Oral presentation, ICCAICON, 2020 |

RESEARCH AND PUBLICATION:

Era University has a Research Cell which promotes and coordinates various academic and research activities. A number of extramural research and intramural research projects are currently in progress in various departments. The research activities are recognized by ICMR, DST, CSIR and SIRO.

Suggestions are welcome from all faculty and students on regular basis to make research activities of our institution useful, target oriented, preferably in conformity with national priority areas and with sufficient challenges for younger generation to think, imagine, plan and work ahead.

The various departments of Era University have published a total of 245 (202 International and 43 National) original research papers in various reputed journals. More than 34 (28 International and 06 National) are under review for publication in the year 2022. Our faculty and students regularly attend various international and national conferences, present their research work and participate in workshops/training programs for which financial grants are provided by the institution.



COURSES OFFERED

MEDICAL

- M.B.B.S
- M.D and M.S
- Fellowship and PDCC
Register on www.elmcindia.org

NURSING

CERTIFICATE COURSE

- Infection, Prevention and Control

DIPLOMA

- Auxiliary Nursing and Midwifery (A.N.M. 2 Yrs)
- General Nursing and Midwifery (G.N.M. 3 Yrs)

BACHELOR OF SCIENCE (B.Sc.)

- Bachelor of Nursing (B.Sc. 4 Yrs)
- Post Basic Bachelor of Science in Nursing (P.B.B.Sc. 2 Yrs)

MASTER OF SCIENCE (M.Sc.)

- Medical Surgical Nursing
- Child Health Nursing (Paediatrics)
- Obstetrics and Gynaecology Nursing
- Mental Health Nursing (Psychiatric)
- Community Health Nursing

COMPUTER SCIENCE

- Bachelor in Computer Application (B.C.A. 3 Yrs)
- B.C.A. with P.G. Diploma in (4 Yrs)
 - Game Design and Development
 - Animation and Multimedia
 - VFX & Rotoscopy
 - UI Design and Development

SCIENCES

BACHELOR OF SCIENCE (B.Sc.)

- Food and Nutrition
- Biotechnology

MASTER OF SCIENCE (M.Sc.)

- Clinical Psychology
- Food and Nutrition
- Biotechnology
- Medical Physiology
- Medical Biochemistry
- Medical Microbiology
- Medical Pharmacology
- Medical Anatomy

PHARMACY

- Diploma in Pharmacy (D.Pharm)
- Bachelor of Pharmacy (B.Pharm)

ALLIED HEALTH SCIENCES

DIPLOMA

- C.T. Scan
- M.R.I. Technician
- Cardiology Technician
- Lab Technician
- OT Technician
- Dialysis Technician
- X-Ray Technician
- Optometry
- Anesthesia and Critical Care Technology
- Audio and Speech Therapy Technician
- BCG Technician and Tuberculosis Programme Management
- Respiratory Technician
- Minimal Access Surgical Technician
- Neonatal Care Technician
- Orthopaedic and Plaster Technician
- Prosthetic and Orthotic Technician
- Emergency and Trauma Care
- Intervention Radiology Technician
- Physiotherapy
- Clinical and Therapeutic Nutritionist

UNDERGRADUATE COURSES

- Bachelor of Physiotherapy (BPT)
- B.Sc. in Optometry (B.OPT)
- B.Sc. in Radiological Imaging Techniques (BRIT)
- B.Sc. in Medical Laboratory Techniques (BMLT)

POST GRADUATE COURSES

- Master in Physiotherapy

LIBERAL ARTS & SCIENCES

- B.Sc. / B.A. Multidisciplinary Liberal Education

MANAGEMENT

- Master in Hospital Administration (MHA)

Ph.D. PROGRAMMES

- Medical Anatomy
- Medical Biochemistry
- Medical Microbiology
- Medical Physiology
- Medical Pharmacology
- Molecular Medicine
- Molecular Biology and Genetics
- Pathology
- Biotechnology
- Biochemistry
- Nursing
- Pharmacy
- Physiotherapy
- Public Health
- Food and Nutrition
- Clinical Psychology
- Nanoscience and Nanotechnology
- Stem Cell Biology and Regenerative Medicine
- Chemistry
- English