

Annual Report

1st July 2020-30th June 2021



GLA University, Mathura
17 KM Stone, Mathura-Delhi Road, NH-2
Mathura-281406



**Late Shri Ganeshi Lal Agrawal
(1910-1977)**

Vision

We envision ourselves as a pace-setting University of Academic Excellence focused on education, research and development in established and emerging professions.

Mission

- To impart quality professional education, to conduct commendable research and to provide credible consultancy and extension services as per current and emerging socio-economic needs.
- To continuously enhance and enrich the teaching/learning process and set such standards, education and otherwise, that other institutes would want to emulate.
- To be totally student-centric, thus promoting the overall growth and development of intellect and personality of our prime stakeholders, namely students, so that our alumni are worthy citizens and highly sought-after professionals worldwide.
- To empower the members of faculty and staff so that the University's ambience is one of harmony, mutual respect, co-operative endeavour and receptivity towards positive ideas.
- To proactively seek regular feedback from all the stakeholders and take measures based on the learning-process. Process is totally student-centric, thus promoting the overall growth and development of intellect and personality of our prime stakeholders, namely students, so that our alumni are worthy citizens and highly sought-after professionals worldwide.

Hon'ble Chancellor's Message

Shri Narayan Das Agrawal

Over the past two decades, GLA University, Mathura has gained a reputation of imparting quality education at the University. We strive to offer all our students an all-round professional development backed by a strong network of placement partner companies and plenty of opportunities to follow extra-curricular interests. Our interactive and engaging teaching pedagogy supports our pursuit of the holistic development of our students. Convention and modernity come together at GLA University, Mathura, to offer the best to our students. We welcome you to explore our world-class infrastructure and amenities. With a thriving learning atmosphere filled with camaraderie at GLA University, Mathura we aspire to prove students with a true Ivy League University experience.



It is in-a significant challenge for any University and its stakeholders to accept the new environment which has been observed during this period. To improve the quality of teaching and knowledge-domain of Faculty members, the University has taken enough steps by organizing several webinars and On-line workshops. Further, to have a proper environment to create the archival of all On-line deliveries, the University has created two studios and two state-of-the-art e-classrooms,

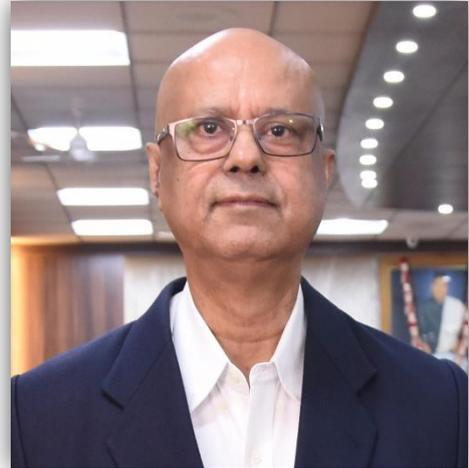
The vision and mission statements of the University are highly aligned with the New Education Policy (NEP 2020) which aims to produce engaged, productive, and contributing citizens to build a fair, inclusive, and plural society. The University has organized several seminars, webinars and workshops for implementing NEP 2020.

The Center for Online Education is a foray in the sphere of digital learning by the GLA University, Mathura, is devoted to educating learners through its courses in the fields such as Management, Accounting, and Business Administration, which are recognized by UGC. It provides a full-fledged smart-learning experience with digital self-learning material, live sessions, and video-lecture series to the determined individuals seeking affordable and accessible quality education meeting industry standards to enhance their analytical skills for the corporate working environment. Authentic and engaging study materials curated after due deliberation with industry experts and the finest educators for fresh graduates, entrepreneurs looking to enhance their skills, working professionals seeking better global employment opportunities, enrich our online platform. It allows to align the career goals with educational aspirations irrespective of distance and nationality; moreover, it provides necessary resources to cultivate a skill set in the current market trends and practical business scenarios along with the opportunities to work in recognized corporate fire.

Hon'ble Vice-Chancellor's Message

Shri Phalguni Gupta

I feel proud to present the annual report of the University for the Academic Year 2020-21. It provides performance of various departments/sections of the University, which include courses, students' related information, various activities and the achievements made by the students and the staff members. Like other education institutions, the GLA University, Mathura has felt savior turbulence because of COVID-19 during the period 2020-21. It has compelled the university to go for the workable alternatives, online learning, so that the academic calendar is least affected. I am proud to state that the University could show tremendous resilience and adapted to hold On-line classes and examinations successfully. I am glad to share the fact that the faculty members accepted the sudden challenges thrown upon them and to come up with many solutions with the students to complete the syllabi. This has led to a dynamic shift from the traditional face-to-face classes. I am happy to inform that within a short span of time, the University has equipped with the new On-line platform of classes.



The University has about 600 highly qualified and dynamic faculty members who are publishing their research outcome in various international journals of repute regularly. I am delighted to mention here that in this academic year, the number of PhD awardees is 36, and the number of papers published in Journals/Conference Proceedings is 903. Further, 08 patents have been granted against 122 published, out of which 4 patents are in the domain of technology transfer. In 2020-21, 2706 are the number of students completed successfully in their respective program University has marked a remarkable and appreciating number of placements in this academic session. Even in the COVID period, 418 multinational and national companies have taken part in campus placements and overall, 75% of students have been placed.

GLA University, Mathura has received the 12-B status on 23rd September 2020. This logo gives strength to the university's status. Various schemes run by the Government and other bodies for research work will benefit it.

The Ministry of IT & Electronics, Government of UP (Start-in UP Initiative) has selected GLA University, Mathura to establish Technology Business Incubation Centre at the campus. This centre will focus on AgriTech, Green Technology, Industry 5.0 (Robotics) and SaaS (Software as a Service).

GLA University, Mathura is going to introduce four new programmes with effect from 2021-22:

- B. Tech CS in academic collaboration with DCS specialization in industrial IOT,
- B. Tech ME in academic collaboration with DCS specialization in Smart Manufacturing,
- B. Tech Biotechnology
- M. Sc Mathematics.

Thanking you
Jai Hind

Hon'ble Chief Financial Officer's Message

Vivek Agrawal

कोरोना महामारी में जिस प्रकार उच्च शिक्षा पर प्रभाव देखने को मिला है। कहीं उससे अधिक शिक्षा को डिजिटल दौर में कहीं हद तक बदलने के लिए तकनीक (जूम, गूगल, माइक्रोसॉफ्ट आदि) वाली कंपनियों के शेरों में बड़ी उछाल दर्ज हो रही है। जूम, गूगल क्लासरूम, माइक्रोसॉफ्ट टीम जैसे एप अब शिक्षक के लिए उपयोग होने वाले कंप्यूटर और मोबाइल आवश्यक तत्व बन चुके हैं। ट्यूटोरियल के लिए यूट्यूब ने अपनी मजबूत उपस्थिति दर्ज कर ली है। लेकिन इससे इतर विष्वविद्यालयों पर जो वित्तीय असर देखने को मिला है उससे एक अनुमान के मुताबिक करोड़ों का वित्तीय नुकसान संस्थानों को हुआ है।



एक अनुमान के मुताबिक अभिभावकों ने महामारी के दौर में अपने ऊपर पड़े वित्तीय असर को भांपते और मददेनजर रखते हुए अपने बच्चों के लिए निजी और बेहतर संस्थानों में प्रवेश के बजाय सरकारी एवं वित्त पोषित संस्थानों को चुना। इसके साथ ही महामारी के दौर में लेन-देन को लेकर जिस प्रकार बैंकों का खुलने का कम समय और 50 प्रतिशत कर्मचारियों के ऑफिस न आने और घर से कार्य को करने के कारण लेन-देन भी प्रभावित रहा। विद्यार्थियों ने डिजिटल मोड़ से फीस भरने को अधिक तवज्जो नहीं दी। जिससे फीस भी संस्थानों को समय पर न मिल सकी। दर्जनों बसों की फीस का नुकसान, हॉस्टल और मैस फीस का वित्तीय नुकसान भी संस्थानों में देखने को मिला है। इसके अलावा संस्थानों में होने वाले आवश्यक कार्यों के लिए आने वाले स्टाफ हेतु विद्यालय वाहन अथवा निजी वाहन न चलने के कारण भी वित्तीय नुकसान संस्थानों को हुआ। इसी वित्तीय नुकसान का आंकलन किया जाय तो करोड़ों की राशि के रूप में नुकसान की एक लंबी सूची तैयार होगी। यहीं नहीं संस्थानों ने अपने कई पारिवारिक सदस्यों को भी महामारी से जूझता हुआ देखा और खोया है।

महामारी के दौर में जिन अभिभावकों को जिस प्रकार महामारी के दौर झटका लगा, उनकी सहायता हेतु भी जीएलए विष्वविद्यालय ने खुलकर मदद के लिए हाथ बढ़ाया है। तर प्रदेश सरकार के मुख्यमंत्री श्री योगी आदित्यनाथ जी द्वारा दो बेटियों में से किसी एक बेटे को फ्री शिक्षा देने की घोषणा के बाद से ही निजी विष्वविद्यालयों से सर्वप्रथम जीएलए विष्वविद्यालय ने इस योजना को लागू किया है और उस बेटे की शिक्षा में खर्च होने वाली पूरी धनराशि की जिम्मेदारी जीएलए ने ली। इसके अलावा परिवार में वित्तीय सहायता को संभालने वाले माता अथवा पिता में से या दोनों का निधन हो चुका हो उनके बच्चों को भी अनुदान के रूप में फीस में काफी छूट दी है। इसके साथ ही जिन विद्यार्थियों ने महामारी के दौर में जीएलए में प्रवेश लिया और फीस भरते समय अपनी कमजोर आर्थिक स्थिति का हवाला दिया। उस फीस में भी बतौर सहायता हेतु जीएलए ने स्कॉलरशिप के रूप में बहुत कुछ फीस माफ की। महामारी के दौर पर अंत में मैं अपनी बात रखते हुए यही कहूंगा कि छात्रों के लिए चुनौतियां तो कम होती नहीं दिख रही हैं, लेकिन जीएलए इस वित्तीय संकट को भी झेलकर छात्रों के लिए खड़ा ही रहेगा। लेकिन छात्र इस 21वीं शताब्दी में शिक्षा के जरिये अपने लिए कैसा सुनहरा सपना बुनते हैं, यह शोध का विषय होगा!

विवेक अग्रवाल

चीफ फाइनेंस ऑफिसर, जीएलए विष्वविद्यालय, मथुरा (उ0प्र0)

Message from Chief Proctor

Prof. Ashish Sharma

The main objective of the Proctorial board is to provide supportive care and advice to the students and to maintain discipline in the University. The cases of indiscipline or indecent behavior of any student, individual/ group, threats, manhandling etc. are being taken care of. The members of the board remain vigilant in the campus for discipline. At our University, we have a Proctorial Board for each Academic Block which consists of a Proctor and members of that Academic Block.



For the Session 2021-22 Proctorial various cases have been reported which were successfully resolved by Proctorial Board. Entire Proctorial Board dedicatedly works day and night to ensure sanctity and serenity of the University. Proctorial Board of the University is also responsible to ensure discipline in 19 Hostels (15 Boys & 4 Girls Hostel) and 10 Academic Blocks. The punishment ranges from monetary fine to Rustication from University. Variety of indiscipline cases are being strictly considered for its resolution which ranges from Damaging the University Property, Fighting incidence, Intoxication, Theft Case, Unauthorized stay in Hostel etc. – Proctorial Board of University is committed for comfortable stay of every student by following code of conduct of University.

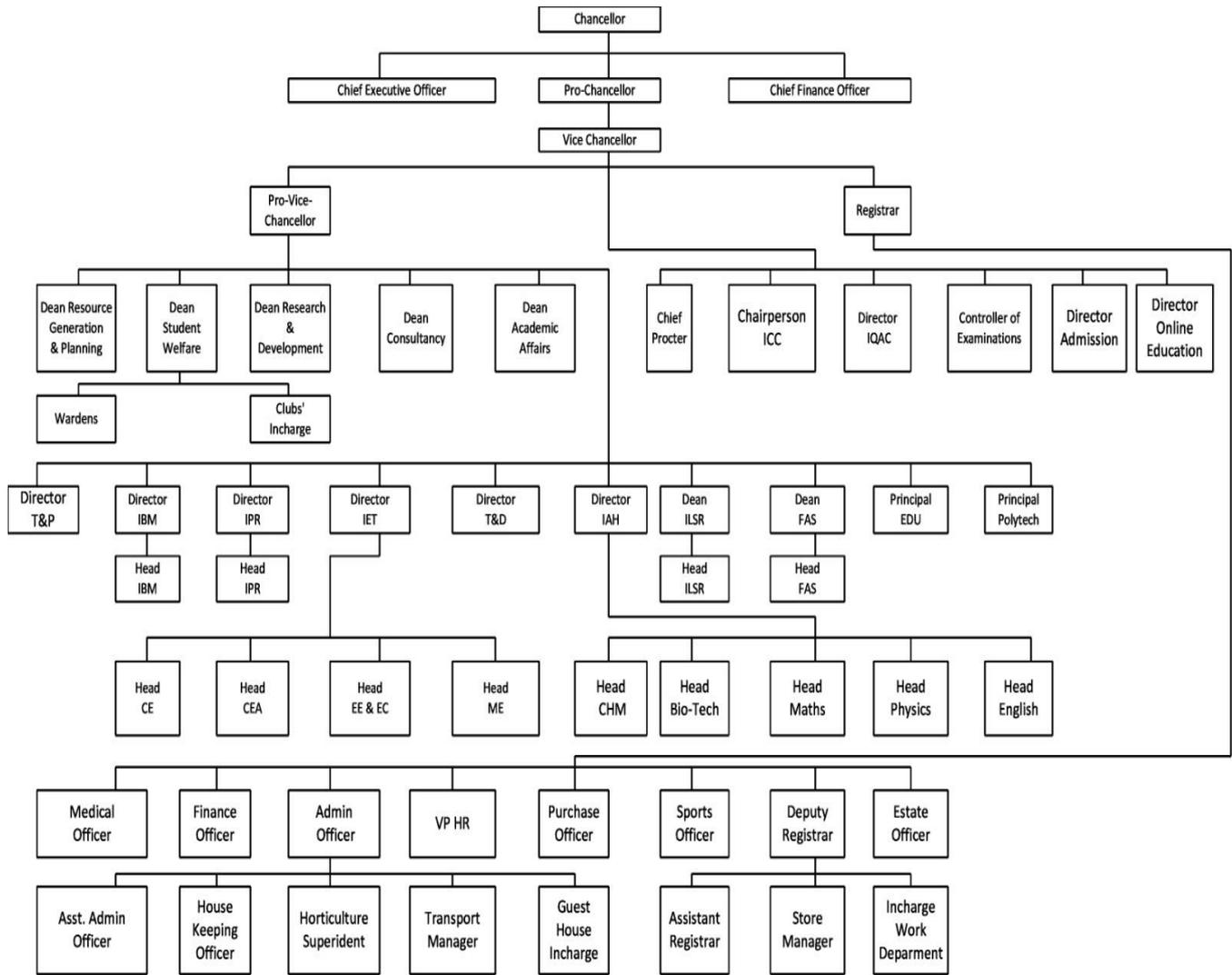
Message from Chairperson, Internal Complaints Committee

Prof. Charul Bhatnagar

The Internal Complaints Committee, GLA University, Mathura, had organized a 5-day program to celebrate International Women's Day. However, some of the events were organized in online mode to maintain COVID-19 protocols. The program was inaugurated on March 4, 2021. A debate competition was held on the topic "Is women's empowerment a myth in India?" 27 passionate debaters participated in the competition. "Let's empower the women and bring the Equality in Gender" – this was the topic of the Webinar held on March 4, 2021. A Webinar was organized on March 5, 2021 on Media Portrayal on Working Women Reinstating the Gender Role. "Strengthening the Role of Internal Complaints Committee and Its Implications on the Psychology of the University Students" – this was the topic of the Webinar held on March 6, 2021.



Organizational Structure



GLAU Mathura, Organisational Structure

THE GOVERNING BODY

a.	Shri Narayan Das Agrawal, Chairman Chancellor & President of the Society	Chairman
b.	Prof. D.S. Chauhan Pro-Chancellor	Member
c.	Prof. Phalguni Gupta, Ex-Officio Vice-Chancellor	Member
d.	Shri Neeraj Agrawal, Society Nominee Chief Executive Officer Shri Jagannath Prasad Ganeshi Lal Bajaj Charitable Trust Samiti, Vrindavan	Member
e.	Shri Narendra Agarwal, Society Nominee Shri Jagannath Prasad Ganeshi Lal Bajaj Charitable Trust Samiti, Vrindavan	Member
f.	Shri Vivek Agrawal, Society Nominee Chief Finance Officer Shri Jagannath Prasad Ganeshi Lal Bajaj Charitable Trust Samiti, Vrindavan	Member
g.	Prof. Anoop Kumar Gupta, Society Nominee Dean, Academic Affairs	Member
h.	One member to be nominated by the Society	Member
i.	Shri Rajesh Garg, Society Nominee Industrialist	Member
m.	Shri Kuldeep Arora, Society Nominee Chartered Accountant	Member
n.	Shri Ram Gopal Agrawal, Society Nominee Senior Advocate	Member
o.	Shri Ashok Kumar Singh, Ex-Officio Registrar	Member Secretary

THE EXECUTIVE COUNCIL

a.	Prof. Phalguni Gupta, Vice-Chancellor	Chairperson
b.	Shri Neeraj Agrawal, Chief Executive Officer Nominee of the Governing Body	Member
c.	Shri Narendra Agarwal, Nominee of the Governing Body	Member
d.	Shri Vivek Agrawal, Chief Finance Officer Nominee of the Governing Body	Member
e.	Prof. Anoop Kumar Gupta Eminent Educationist Nominee of the Chancellor	Member
f.	Prof. A.S. Jalal, Professor Nominee of Vice-Chancellor	Member
g.	Aasheesh Shukla, Associate Professor by rotation Nominee of Vice-Chancellor	Member
h.	State Government Officer To be nominated by State Govt. not below the rank of Joint Secretary	Member
i.	Prof. Nitin Seth Professor (Supply Chain and Operations Excellence)	Member
j.	Shri Shree Krishana Sharma Finance Officer	Member

THE PLANNING BOARD

a.	Prof. Phalguni Gupta	Chairman
b.	Prof. Anup Kumar Gupta	Member
c.	Shri Vivek Agrawal	Member
d.	Prov. Vinay Kumar Deolia	Member
e.	Shri Sandeep Bajaj	Member
f.	Shri Sri Krishan Sharma	Member
g.	Shri Ashok Kumar Singh	Secretary

THE FINANCE COMMITTEE

1.	Shri Narayan Das Agrawal, Chancellor	Chairman
2.	Prof. Phalguni Gupta, Ex-Officio, Vice-Chancellor	Member
3.	Shri Neeraj Agrawal, Chief Executive Officer	Member
4.	Shri Vivek Agrawal, Chief Finance Officer	Member
5.	Prof. Anup Kumar Gupta, Chancellor's Nominee Dean of Academic Affairs	Member
6.	Shri Kuldeep Arora, Chancellor's Nominee Chartered Accountant	Member
7.	Shri Ashok Kumar Singh, Ex-Officio, Registrar	Member

ACADEMIC COUNCIL

1.	Prof. Phalguni Gupta	Chairman
2.	Prof. S.D. Joshi	Member
3.	Prof. Ravi Shankar	Member
4.	Prof. Anup Kumar Gupta Pro-Vice-Chancellor	Member
5.	Prof. Anurag Singh	Member
6.	Prof. Santanu Chowdhary	Member
7.	Prof. Meenakshi Bajpai	Member
8.	Prof. Avinash Dadhich	Member
9.	Prof. Jeevanandam Jotheeswaran	Member
10.	Prof. Aniruddh Pradhan	Member
11.	Prof. Dipak Kumar Das	Member
12.	Shri Suresh Pratap Singh	Member
13.	Prof. Surendra Singh Siwach	Member
14.	Prof. A.S. Jalal	Member
15.	Prof. Charul Bhatnagar	Member
16.	Prof. Ashish Sharma	Member
17.	Prof. Kamal Sharma	Member
18.	Rohit Agrawal, Assoc. Head, CEA	Member
19.	Arvind Yadav	Member
20.	Prof. Amitanshu Pattanaik	Member
21.	Prof. Piyush Singhal	Member
22.	Prof. Panchanan Mohanty	Member
23.	Prof. Sudhdir Goyal	Member
24.	Prof. Somesh Dhamija	Member
25.	Prof. Shoor Veer Singh	Member
26.	Prof. Vinay Kumar Deolia	Member
27.	Prof. Vikas Tripathi	Member
28.	Prof. Manish Goyal	Member
29.	Prof. Diwakar Bhardwaj	Member
30.	Prof. Vikas Sharma	Member
31.	Prof. Kavita Varma	Member
32.	Prof. Anuj Vijay	Member
33.	Prof. Aruna Dhamija	Member
34.	Prof. Dilip Sharma	Member
35.	Prof. Kumar Shankar Ray	Member
36.	Prof. Manoj Kumar	Member
37.	Prof. Nitin Bhatnagar	Member
38.	Prof. Raj Pal Singh	Member
39.	Prof. Reeta Goel	Member
40.	Raisul Islam	Member
41.	Prof. Vishal Goyal	Member
42.	Ankit Saxena	Member
43.	Umesh Sharma	Member
44.	Shri Ashok Kumar Singh	Secretary

Meetings Held

S.N.	Body	Meeting (s) held on
1	Governing Body	1 st July 2020
2	Executive Council	(i) 27 th August 2020 (ii) 1 st October 2020 (iii) 17 th December 2020
3	Academic Council	(i) 6 th October 2020 (ii) 12 th December 2020 (iii) 29 th May 2021
4	Planning Board	18 th February 2021
5	Finance Committee	4 th March 2021

Academic Calendar

Activity	For Semester System		
	1 st Semester of all Courses	Courses having Lateral/ Direct Entry students	Other Courses of different Semester
Mid Term	Jan. 2-9, 2021	Dec. 3-6, 2020	--
End of Classes	Feb. 13, 2021	Dec. 21, 2020	Dec. 12, 2020
End Term	Feb. 19-27, 2021	Dec. 23 – 31, 2020*	Dec. 14 – 22, 2020

* End Term Examinations for B. Tech. - III Sem., MCA - III Sem., Law - IV Trimester, IBM (UG) – III & V Sem. and B. Pharma. – III, V & VII Semester would be held in two durations.

Activity	For Trimester System	
	1 st	IV & VII
Mid Term	Dec. 7-14, 2020	--
End of Classes	Jan. 10, 2021	Dec. 4, 2020
End Term	Jan. 11-19, 2021	Dec. 5-15, 2020

Schedule for Even Semester is given below:

Activities	II Semester	Other Semesters
Registration for Even Semester	Mar. 01, 2021	Jan. 02 – 03, 2021
Commencement of Classes for Even Semester	Mar. 02, 2021	Jan. 04, 2021
Mid Term Examination	Apr. 26 – May 03, 2021	Mar. 01 – 09, 2021
End of Classes	June 17, 2021	May 01, 2021
Practical Examination	June 18 – 22, 2021	May 03 - 06, 2021
End Term Examination for Even Semester	June 23 – 30, 2021	May 07 - 15, 2021

Annual Report of 2020-21

In 1998, Shri Narayan Das Agrawal fulfilled the dream of his father, Late Shri Ganeshi Lal Agrawal, of establishing an institute for quality education to the people of the region of Mathura/Vrindavan & beyond. He started Sri Jagannath Prasad Ganeshi Lal Bazaz Charitable Trust Samiti to make the holy city a recognized destination for knowledge seekers from different spheres of life. This led to the foundation of a milestone at the *karmabhoomi* of the versatile and sagacious Lord Krishna. Gradually, it developed to become GLA University, Mathura in the year 2010 through the U.P. State Legislative Act of 2009 (UP Act 21 of 2010). UGC recognizes the University under Section 2 (f). GLA University, Mathura is also a member of the Association of Indian Universities (AIU) and an Educational Member of IACBE (International Assembly of Collegiate Business Education). GLA University, Mathura has been actively involved with social causes since its very inception and has drawn appreciation from one and all for its works in various facets of societal paradigm. GLA University, Mathura is dedicated to rigorous academic pursuit with a focus on building inquiry as a value through interdisciplinary learning, mixing practical approaches with theoretical paradigm. We provide a liberal education that prepares students to think deeply and creatively across fields, and emerge as independent thinkers and compassionate leaders, who can innovatively engage with the complex challenges of our society.

As a promoting research University, we commit to the discovery of ideas that enhance our understanding of the issues that face our society. We are building an environment where students and professors explore by reflecting, challenging each other's views and assumptions through data and rigorous discussions and collaborate to develop insights. Projects, fieldwork and a belief mediate this learning process that excellent theory leads to good practice.

It is a pleasure to introduce ourselves as GLA University, Mathura, one of the leading private universities in this region of the nation. GLA University runs diploma, undergraduate, postgraduate and doctoral programs in various streams of engineering, technology, management, commerce, education, life sciences, legal studies, applied sciences & humanities, and agricultural sciences. The University is home to 12,274 students and has an able support of close to 1,527 faculty and staff members. NAAC has accredited the University with 'A' grade since 2017 for its outstanding approach towards providing quality professional education and path-breaking research. The University also achieved the recognition of 12B status from UGC in this year.

The GLA University, Mathura, gains different institutes for the students to enlighten their carrier. It has well-qualified and experienced faculty members and dedicated staff members to work full time for students. It comprises the following institutes:

- Institute of Engineering and Technology
- Institute of Business Management
- Institute of Pharmaceutical Research
- Institute of Applied Sciences & Humanities
- Institute of Legal Studies and Research
- Faculty of Agricultural Sciences
- Faculty of Education
- Training and development
- University of Polytechnic

The University has always promoted their faculty members for the research by giving recognition in financial terms for publications in the reputed journals and conferences. In the academic year 2020-21, the faculty members published 441 papers in Journals (SCI/Scopus), four books, 346 book chapters and 122 patents. It also received a research grant worth INR 1, 90, 00,000. It is our pleasure to note that 2151,555 and 36 students have been awarded Bachelor's Degree, Master's Degree and Ph.D. Degree, respectively.

Further, for the deserving students and economically weaker sections, the University has given financial aid as a different scholarship or tuition fee. The University also had tie-ups with banks to enable education loans for its students. In this financial year, 2262 students have been provided with financial aid of INR 6, 45, 33,750/-.

1. Institute of Engineering & Technology

GLA University, Mathura began its journey in 1998 with the Institute of Engineering and Technology (IET) as one of its spearheads. Being the oldest among the existing institutes and one of the best Engineering Colleges in UP, the IET has very succinctly proven and established its hallmark through quality education not only in this region and the state but much beyond. Programs offered by the Institute of Engineering & Technology of GLA University, Mathura are designed such that they, with a proven track-record, are dedicated towards nurturing technically sound, socially responsible human being and globally acceptable engineers who evolve into innovators and entrepreneurs, capable of delivering solutions. IET feels proud of its dynamic alumni ranging from the domain of Public Service Commission, i.e., IAS, IPS and PCS officers to Lieutenants in Armed Forces, those in service at high echelons in technical or other sectors across the globe. They are the stamp of testimony to the legacy of the IET. Currently, the Institute has five departments:

- A) Civil Engineering
- B) Computer Engineering Applications
- C) Electrical Engineering
- D) Electronics and Communications
- E) Mechanical Engineering, offering various undergraduates and post-graduate courses.

It has highly qualified faculty members and has published 901 papers in well-known reputed journals and conference proceedings.

In this year, 1629 students got admission in various programs offered by the Institute. There were 13 students awarded Ph.D. Degrees, 77 students completed their Master's Degree and 971 students were awarded Bachelor's Degree.

1. A. Department of Civil Engineering

The Department of Civil Engineering has 06 functional Memorandum of Understanding (MoU) and organized more than 10 guest lectures through industry experts, 04 workshops & one Scopus indexed International Conference. It has completed UBA government project for Organic farming development in 5 adopted villages by GLAU. The Department faculty members has published 31 papers in SCI & Scopus indexed Journal, 22 papers in Scopus indexed conference proceeding and 9 book chapters. More than 10 patents published during session 2020-21 by the department. The effective on-campus and off-campus placement was 83%.

1. B. Department of Computer Engineering and Applications

The Department of Compute Engineering & Applications has 13 functional Memorandum of Understanding (MoU). It has organized more than 34 guest lectures, 25 SME, and 30 workshops through industry experts. The Department has received a consultancy of Rs. 1 lakh. Department has also completed UBA government. The Department has published 41 papers in SCI, 27 Scopus indexed, 18 Other Journal, 134 papers in international conference proceeding, and 8 book chapters. More than 30 patents published during session 2020-21 by the department. The effective on campus and off-campus placement total of the B. Tech (CSE) 76%, BCA 52.5%, MCA 32%, M. Tech 40%, Overall was 66.88%. The cadre ratio of the department was 0.08:0.034:0.88. Department has also developed a web application to cater information need of university stack holders.

1. C. Department of Electrical Engineering

The department organized Faculty Development Program on "Recent Trends in Power System (RTPS-2020). Faculty members participated in 17 workshops/seminars/conferences in their domain to keep them updated. During this period, faculty member's published 48 research papers, including ten journal Papers and 38 Conference Papers in reputed journals and conferences. Moreover, three patents were filled in this session. One PhD was awarded in this session. Despite the COVID-19 wave in the

session 2020-21, the Department of Electrical Engineering could make its students capable of being accepted by the industry. In this session, the department signed Memorandum of Understanding (MoU) with the Voltran Energy Pvt Limited, Ghaziabad, to develop skill sets, opportunity for training, and consultancy in the field related to solar power generation.

1. D. Department of Electronics and Communication Engineering

This department started two new courses, viz. (a) B. Tech Electronics and Communication Engineering with Minor in Computer Science and Engineering, (b) B. Tech Electronics and Communication Engineering with specialization in VLSI. The department has one on-going functional memorandum of understanding (MoU) with TI University Program and one new MoU signed with CSIR-CEERI, Pilani. There is one on-going project from Board of Research Nuclear Science (BARC) of cost INR 6, 34,000. It has published 42 Journals and 69 Conferences papers. It has published 16 patents and 2 patents which are granted by the authority. There is a consultancy project of INR 1, 50,000 with e-Inforchip Pvt. Ltd. The department organized one international conference on Communication and Artificial Intelligence in 2020. Further, during this period, the department achieved 74.73% placements with highest package of INR 10 Lakhs and average package of INR 4, 15, 214. In 2020-21, there were 4 students received Ph.D. degree.

1. E. Department of Mechanical Engineering

The Department of Mechanical Engineering introduced a new course: B.Tech. Mechanical Engineering (Specialization in Smart Manufacturing). It has signed 6 functional Memorandum of Understanding (MoU) and organized it more than 25 guest lectures with the help of industry experts, 4 workshops and one Scopus indexed International Conference. It received consultancy projects of INR 24.78 lacs. It published 109 papers in SCI and Scopus indexed Journal and 59 papers in Scopus indexed Conference Proceedings. There are 72 patents filed; out of which 69 patents published and 4 granted patents. The average placement of the department was 67%. One Ph.D. was awarded during the last session.

2. Institute of Business Management

GLA Management Department is one of the best Management Colleges in UP in the state with over 2000 students and 80 plus faculty members, offering a wide range of specialization like Business intelligence, Data analytics, Supply chain management, Logistic management, I.B, I.T, H.R, Marketing and Finance, MBA in Financial Market, Logistic and supply chain management etc.

The department is headed by some eminent professors with a proven track record and professionals who have made a mark in the industry. This association introduces our students to the concepts of corporate culture and a sense of influential patronage. With many firsts to its credit and an impeccable record to boast of, the T&P cell works round the-clock to ensure that the students of the University get placed in reputed companies at lucrative terms across various industries. Currently, the Institutes has 10 departments; namely, BA (H) Economics, B Com (H), B Com (H) Global Accounting, BBA(H), BBA (Family Business), MBA, MBA (Dual Specialization), MBA Integrated, MBA Finance Market & Banking, MBA Supply Chain & Management offering different courses. It has 110 highly qualified faculty members and has published 299 papers in well-known reputed journals and conference proceedings. In this year, 910 students got admission in various programs offered by the Institute. In this year, 06 students were awarded Ph.D. Degrees while 415 students were completed their Master's Degree and 436 students were awarded Bachelor's Degree. The Institute of Business Management, GLA University got IACBE accreditation in the year 2020.

2. A. Under-Graduate Programs

During the academic session 2020-21, Department of Management (UG), Institute of Business Management renewed two of its existing MoUs, one with Association for the International Development of Academic and Scientific Collaboration (AIDASCO), Novi Sad, Serbia and another with The Chartered Institute of Management Accountants, London, UK (under which B Com Hons. Global Accounting program is offered). In addition, activities were organized under the other two MoUs which the department has, one with Rubicon Skills Development Ltd., Pune and the other one with S V Wealth Partners, Delhi. A Consultancy project worth 2 million INR was completed by the professors of the department for a leading Corporate House, Bada Business Pvt. Ltd. titled, “Extension of Online Learning Amongst Stakeholders” A collaborative patent was filed by departmental faculty members, in collaboration with other department faculty members. More than hundred research papers were published, all indexed in leading databases such as Scopus/ABDC/Web of Science. One international book titled, “Gender Equality and Female Empowerment Policy for Sustainable Development” was authored by a faculty member, in collaboration with two external authors. A total of seven workshops, two Faculty Development Programs, one guest lecture, two Administrative Training Programs, three webinars, two conclaves, one Professional Development Programs were organized by the department. Despite the pandemic and ensuing challenges, the placement-related saw a healthy response along with credible placement figures. In all, nine new faculty members have joined the department in the capacity of assistant professor during the session. The overall strength of the students of the department reached close to 1400, spread across six undergraduate management programs:

- BBA
- BBA Family Business
- BBA Honours
- B. Com Hons.
- B. Com Hons. Global Accounting
- BA Economics Hons

2. B. Post-Graduate Programs

During the academic session 2020-21, in Institute of Business Management (PG) four faculty members got their Ph.D. degree awarded. In this academic session one new MoU was signed with Master School of Management, Meerut. In addition to this, activities were organized under the existing MoU’s which the department has, with Quality Council of India, Rubicon Skills Development Ltd., BSE Ltd., etc. A consultancy project worth 1 Lakh INR was completed by the faculty of the department for Association of Indian Management Schools titled, “Intention to adopt Green Management Practices by Indian SME’s”. More than thirty-seven research papers were published in journals indexed in Scopus/ABDC/Web of Science database. Also, ten research papers were published by the departmental faculty in Scopus indexed conference proceedings. Faculty members also completed around thirty-seven online certification courses from varied reputed institutes. Some of the departmental faculty members also organized three faculty development programs in different domains which was open for internal as well as external academicians. The research efforts of faculty members were also recognized by some reputed institutions like INSC, Small Business Institute USA, IIT Indore and Quality Cognition. Student clubs based on different specializations are also functional and more than ten activities were organized for the students during the respective session. Despite the pandemic and ensuing challenges, the department was able to reach credible placement figures. The highest package during the session was ten lakhs. We offer a bucket of courses like Ph.D., MBA, MBA-Logistics & Supply Chain Management, MBA-Financial markets and Banking, MBA-Integrated. The overall strength of the students of the department reached close to 900, which is spread across Ph.D. program, three post-Graduate and one Under-Graduate course (Integrated program in Management).

3. Institute of Pharmaceutical Research

Institute of Pharmaceutical Research Mathura was established in 2006 to set a benchmark in the field of Pharmaceutical Education, since then we have a placement record of more than 80%. The teaching techniques adopted by the institute aim at laying a strong foundation for the students. Currently, the Institute has 6 courses:

- a) D Pharm,
- b) B Pharm,
- c) B Pharm (lateral Entry),
- d) M Pharm (Pharmaceutics),
- e) M Pharm (Pharmacology),
- f) Ph D Pharmaceuticals Science offering different courses. The department has 33 highly qualified faculty members and has published 189 papers in well-known reputed journals and conference proceedings. In this year, 211 students got admission in various programs offered by the Institute. In this year, 06 students were awarded Ph.D. Degrees while 22 students were completed their Master's Degree and 71 students were awarded Bachelor's Degree.

4. Institute of Applied Sciences & Humanities

At present, the institute offers courses in, BSc (H) Chemistry, BSc Biotechnology, MSc Chemistry, MSc Biotechnology, MSc Microbiology, MA English, and PhD programs in Microbiology, Biotechnology, Applied Physics, Applied Chemistry, Applied Mathematics, English and applied Linguistics.

These various departments are centers of academic excellence, imparting world-class quality education at undergraduate and postgraduate levels at the University. The primary focus of these departments is to strengthen the conceptualized frameworks, lay strong foundation, imbibe core essentials and bring forward comfort in communication in the field of Applied Sciences and Humanities.

These departments conduct research and development programs and offer consultancy services as per the needs of the students they strive steadily for over-all growth and development of a student's intellect and personality to turn them into confident professionals. GLA's highly qualified faculty members regularly infuse industry experience into their teaching methodology with the help of most advanced educational tools to reach the global standards of today's world.

The Institute has improvised a unique teaching pedagogy that emphasizes on the practical aspect of education as it does on the theoretical aspect. Pro-active student initiatives enhance student's participation in the collaborative learning process. The Institute organizes regular personality development programs to ensure that students take an active part in activities such as group discussions, case study presentations, mock interviews, role play exercises etc. Currently, the Institute has 5 departments. Following is a list of the departments along with their courses:

- A) Bio-Technology
- B) Chemistry
- C) English
- D) Mathematics
- E) Physics

It has 88 highly qualified faculty members and has published 442 papers in well-known reputed journals and conference proceedings. In this year, 192 students got admission in various programs offered by the Institute. In this year, 08 students were awarded Ph. D. Degrees while 41 students were completed their Master's Degree and 86 students were awarded Bachelor's Degree.

4. A. Department of Biotechnology

Department of Biotechnology, Institute of Applied Sciences and Humanities has freshly signed, renewed and maintained twenty-eight MoUs during the academic session 2020-21. We have filed ten collaborative patents and have been published by department faculty members. Department received Rs. 27.87 Lacs from nine different consultancies. In this period, more than thirty research papers were published, and all were indexed in leading databases (SCI/Scopus/Web of Science). More than 15 book chapters and five books were published that are indexed in SCOPUS. Seven workshops, one FDP, one guest lectures and three webinars were organized. Despite pandemic and ensuing challenges, our students performed very well in placement with credible placement figures. Five new faculty members joined the department (three distinguished professor, one associate professor and five assistant professors). Overall strength of the students of the department reached close to 202, spread across two undergraduate programs (B.Sc. Biotechnology and B.Tech. Biotechnology), and two postgraduate programs (M.Sc. Biotechnology and M.Sc. Microbiology and Immunology). Ten students were registered in our Ph.D. program (Biotechnology and Microbiology and Immunology). Our scholars helped the government by working as COVID-19 Warriors in the respective institutions, where they are pursuing doctorate. In this period, department is running two DBT projects (2nd year), six more were funded (3 DBT, 1 DST, 1 NRDC, 1 ICAR_NASF) working jointly with DBT_NIAB, Hyderabad, Jamia Hamdard, New Delhi, SKUSAST, Srinagar, CAU, Tripura, CoVAS Palampur, NRC_Camel, Bikaner, and LUVAS, Hisar. Dept., added few states of art equipment with support of GLAU and DBT and NRDC (Spectro-photometer, Auto blood analyzer, BODs, Bio-fermenter, Gel doc system, Biosafety cabinet, RT_PCR, BACTEC system, ELISA reader, ultrasonicator, etc. Entire department is under transformation with respect to space utilization and NABL certification. Department has been registered with DBT in-terms of Biosafety. Department is going for accreditation for large animals and animal house is under construction. Process is on for Human Ethics clearance from IC Material exchange registration is our next aim. Department was involved in the floating of a company Utkarsh Technovation pvt., ltd., and sold ELISA kits through it to Haryana state govt. Five Ph.D., students completed their degree. One got selected in NIV as faculty.

4. B. Department of Chemistry

Due to considerable improvement in Corona pandemic, Department of Chemistry strived to improve performance in all areas including academics. The Department has one national (Jadavpur University) and one international (University of Malaya, Malaysia) MoUs under which one international conference in association with Jadavpur University was organized during 2021-22. In addition, one patent was granted and four collaborative research publications were also made. With Malaya University, two guest lectures and one joint Conclave were conducted during 2021-22. Two projects funded by BRNS & DBT are also undergoing. The department also produced 45 research publications (SCI 36 and Scopus 9) during the session 2021-22. Two external candidates completed and received their PhD degree in 2021-22.

4. C. Department of English

The Department of English organized an International Conference, the 42nd International Conference of Linguistic Society of India (ICOLSI-42) from 10th to 12th December, 2020. The keynote and plenary speakers of this conference were Prof. Lyle Campbell (University of Hawaii, USA), Prof. Sarah G. Thomason (University of Michigan, USA), Prof. Rajend Mesthrie (University of Cape Town, South Africa), Prof. A. Murugaiyan (CNRS, Paris), Prof. Ghil'ad Zuckermann (University of Adelaide, Australia), and Prof. Kapil Kapoor Chairman, Governing Body of Indian Institute of Advanced Study, Shimla). It signed three Memorandum of Understandings with the National Translation Mission (on behalf the President of India), Dept. of Education, and Govt. of India.

Professor Panchanan Mohanty received two volumes of Festschrift under the titles *Alternative Horizons in Linguistics* and *Indradhanush of Ideas in Language, Literature and Translation* which were published by Lincoln Europa, Germany. Further, two distinguished scholars from among the top linguists of the world were selected by the Cambridge University Press, U.K. to endorse its book *Revitalizing Endangered Languages: A Practical Guide* edited by Justyna Olko and Julia Sallabank and they are Prof. Panchanan Mohanty from GLAU and Prof. emerita Leanne Hinton from University of California at Berkeley. Prof. Mohanty's endorsement has been printed on the back cover of the book and he was also invited to speak online about this book when it was launched in London on 14th May, 2021.

Prof. Mohanty was nominated by the Ministry of Education, Govt. of India to the Committee that was constituted to prepare the acts and statutes and the curricular frameworks of the proposed central university named Bharatiya Bhasha Vishwavidyalaya and Indian Institute of Translation & Interpretation, an institute of national importance. Also, he received a grant of US\$ 1000 from the Foundation for Endangered Languages; U.K. to work on a project entitled "Revitalization of Gorum: a moribund Munda language" which is spoken in the hilly region of South Odisha.

4. D. Department of Mathematics

The department of Mathematics, Institute of Applied Sciences and Humanities, signed one Memorandum of Understanding with Mangosuthu University of Technology, Durban, South Africa. The faculty members of the department published 6 patents in collaboration with faculty members of other departments of the University. A new Master's program M. Sc. (Mathematics) also started by the department.

The faculty members of the department published 75 Research papers in reputed indexed Journals of high impact factors. Out of them, 64 were SCI indexed, 10 were Scopus indexed. Two international book chapters titled, 'Mathematical Modeling and Soft Computing in Epidemiology' (CRC Press, Taylor and Francis Group, USA), and 'Teaching and Learning Pedagogy with purpose' (IGI Global Publication, USA), were also authored by our faculty members with internal and external collaborators. The department organized 3 workshops, one faculty development program, one professional development program and 3 webinars for developing the skills of faculty members, scholars, students and staff in this session. The department also organized one workshop on patenting basics and one workshop on improving project writing skills during the session.

4. E. Department of Physics

During the academic session 2020-21, department of Physics, Institute of Applied Science and Humanities renewed three of its existing MoUs, two is national (Banaras Hindu University and Central University of South Bihar) and another from the Institute of Physics, Academia Sincia Taiwan. More than twenty-five SCI research papers were published in reputed journal (max in Q1 and Q2) excluding twelve SCOPUS indexed conference proceeding. A total of five workshops, one faculty development programs, two administrative training programs, two IPR workshops were organized by the department. In addition, the Physics department has awarded two Ph.D. degrees. Two projects from University Grant Commission (total amount= 15 L) has been received in this academic session.

5. Institute of Legal Studies and Research

Our motto at Institute of Legal Studies Research (ILSR), GLA University, Mathura, UP, India, is to train and motivate bright young minds to discover their strengths to become an impact focused legal professional leader in their chosen field. Our aim is to identify specialized career options in the legal profession in public and private sector and provide appropriate guidance and training to our students to prepare them for their upcoming professional life after law school.

A special focus is devoted towards developing entrepreneurship skills and attitude among students and they will be encouraged to take unique initiatives to solve social and legal problems in India through legal and business solutions.

To prepare students for their professional life after five years, we provide a compulsory national & international internship at law firms, national & international companies, High Court, Supreme Court, research and policy organizations, NGOs, Government organizations etc. We also provide compulsory paralegal training to all law students for practical training for their legal career. Special training and coaching is also given for UPSC, Judiciary, SSC, Army exams and support for getting admission in top global universities for higher education. The integration of sincere, energetic, highly motivated faculty with disciplined and serene atmosphere all around the campus further strengthened by indomitable human spirit groom the building engineers to lead the society of the tomorrow. The wonderful world of University Polytechnic, one of the top Diploma Colleges in UP, awaits you. Currently, the Institutes has 6 departments; namely, BA LLB (H), B Com LLB (H), Ph D Law, LL.M., LL.M. Executive courses. It has 14 highly qualified faculty members and has published 10 papers in well-known reputed journals and conference proceedings. In this year, 66 students got admission in various programs offered by the Institute.

6. Faculty of Education

Faculty of Education aims at preparing dedicated, knowledgeable, skilled, creative and disciplined school teachers for the Indian school system who can perform complex duties. The duties may range from effective classroom teaching to molding the value system of students and undertaking administrative responsibilities with devotion and commitment. Faculty of education prepares teacher educators and researchers to play a leading role in their profession. Teaching is not a profession; it is a passion. Passion to uphold wisdom over mere knowledge, humility over arrogance, curiosity over ignorance and most important excellence over mediocrity. Teacher's work is one of the most demanding in nature. These demands need to be upheld by training teachers correctly and adequately. The core values of faculty of education are the following:

- a) Discipline- It is the practice of training people to obey rules or a code of behavior, using reinforcement to correct disobedience.
- b) Punctuality or Respect for Time- We promotes punctuality and Time Management among Stake Holders.
- c) Freedom of Thought and Expression- We believe that Freedom of Thought and Expression is necessary, as without this overall development of individual cannot be completed.
- d) Honesty and Integrity- We are committed to practices that are fair, honest and objective in dealing with students, faculty members, and staff and stake holders at all levels of Institution.
- e) Excellence- We promote Excellence in whatever constructive and productive work / activity Students/ Faculty members do.
- f) Accountability and Transparency- We believe in having complete transparency at all levels of hierarchy to promote a healthier working atmosphere to all. We believe in Accountability for and Transparency in, all my deeds and actions.
- g) Perseverance- We encourage perseverance in doing something despite difficulty or delay in achieving success.
- h) Encouragement- It is provided for critical and quantitative thinking, effective communication, ethical decision making and social obligation in our students

- i) **Social Responsibility-** We are focused on promoting the sense of social responsibilities in students by involving them in various social activities that gives them a broader perspective of understanding the causes and possible solutions related to various social issues.

Currently, the Institutes have two programs namely, Bachelors of Education, Ph D in Education. It has 14 highly qualified faculty members and has published 03 papers in well-known reputed journals and conference proceedings. In this year, 47 students got admission in various programs offered by the Institute. In this year, 03 students were awarded Ph. D. Degrees while 61 students were awarded Bachelor's Degree.

The Faculty of Education has Six Functional Memorandum of Understanding with Schools. The department has organized more than 10 National and International Webinars, workshops, Faculty development programs, and Value-added courses for the faculty and students. The department has published 16 papers in Scopus indexed journals, 02 papers in UGC Care listed Journals, and 05 book chapters. During the sessions, 2020-21, 5 Ph.D. degrees were awarded. In Research & innovation, 03 awards were received by faculty members and appointed as External Examiner for final Ph.D. submission in Education, also given more than 06 sessions to various Schools and Universities. For pandemic awareness, 02 community Awareness programs were conducted by the department.

7. Faculty of Agricultural Sciences

As we looking for sustainable future of agriculture one thing is certain – knowledge will be a key resource and will be highly sought-after within India and around the world. Our challenge is to generate ideas that will benefit society and to educate and train people to work in agricultural field where they will be valued for their specialized knowledge and for their proficiency of research, communication and solutions. Our mission is to provide quality education and skills along with research, training and practical experience as per the demand of growing global agricultural environment. Currently, the Institutes have 1 department; namely, BSc (H) Agriculture, offering different courses. It has 10 highly qualified faculty members and has published 02 papers in well-known reputed journals and conference proceedings. In this year, 152 students got admission in various programs offered by the Institute.

During the Academic year 2021-21, two MoUs were signed between Faculty of Agricultural Sciences (FAS) and –Agricultural Technology Development Society & Hindustan Agricultural Research Welfare Society.

Training and Development Department

The Department of Training and Placement is an integral part and backbone of the university. We, at GLA, gain competitive edge over others; we emphasize development of both functional skills and exceptional practical outlook. University has marked a remarkable and appreciating number of placements in this academic session i.e., for 2020-21. Even in the Covid time 418 Multination and National companies have approached for campus placements and overall 75% students get placed.

Staff Development Activities

In this year, the University was closed for most of the days due to the pandemic COVID-19 as per the direction of UP State Government. As a result the University could not hold any face to face mode of activities which are related to the staff development. However, it could organise three one-day online workshops and two five-day online administrative training progra Titles of three online workshops are Practical Exposer of Basic IT Infrastructure, Contemporary Mental State & Solutions and Intellectual Property Rights. Further, two online short terms training programs held for staff members are 1) Holistic Professional Development and Understanding Cognitive Development of Learners.

Hostel Facility in COVID-19

GLA University, Mathura is dedicated to ignite the knowledge and foster the 360° development of new generation. Our magnificent facilities synergize the efforts of imparting education for developing and nurturing the acumen of our students. GLA University, Mathura has taken 2021 as a year of opportunity to learn disaster management. On one hand, the University has adopted online classes because of COVID-19 epidemic and on the other hand, hostels were empty. During this time, hostels' team did acute inspections of all the hostels and found out gaps regarding future readiness of all hostels. During this period, renovation of one boy's hostel, maintenance of water solar panel and installation of few new solar panels were completed to improve the facilities in the campus. Further, the University followed all guideline given by WHO and the State Government to make the hostels free from COVID-19 pandemic. One hostel was converted as a COVID isolation block for managing any emergency. Few Oxygen cylinders were also procured to manage unexpected medical emergency.

Sports and Club Activities

The overall 12,000-plus student population of GLA University, Mathura is supposed to be a part of at least one of the clubs which are functional at various levels. The clubs have been divided under three segments, namely sports, cultural and technical. There are University level clubs meant for showcasing the singing, dancing, photography, dramatics, care for nature, fine arts side of the students. Multiple Sports Clubs catering to almost every popular sports like cricket, football, basketball, volley ball, badminton, hand ball, kabaddi, athletics, table tennis, chess, power lifting and yoga.

Apart from all these clubs, the GLA University, Mathura, has its own NSS and NCC student wings as well which organize events round-the-year. All the above clubs have been formed in a manner that they are run by student volunteers who take care of all the activities, events, workshops, guest lectures and a plethora of other happenings which take place frequently Faculty mentors groom the students and supervise the conduct of the events.

During the Pandemic, the University planned and organized a series of online guest lectures, webinars, subject-specific doubt-clearing online sessions, e-Conclaves, online workshops, online symposia, online conferences, online seminars, etc. so as to ensure that the students are able to cope up with and stay abreast with the latest developments around them and learn as well as grow despite the disruptions. All the clubs came up with innovative approach thereby organizing club-specific events online where the participants were engaged even during the pandemic period. The students who were overwhelmed due to the pandemic-related anxiety were provided with online and telephonic counseling sessions by the University wherein they were provided with tips for sound physical and mental health.

Other Activities in Campus

GLA University, Mathura is having 4 Cafeteria with surrounding campus also providing good environment & hygienic. The cafeteria offers a good menu of multi-cuisine delights, amidst a lively, jolly atmosphere with Balanced Diet. The menu of the cafeterias planned by expert Dieticians. Both of the cafeterias are open almost 16 hours. Apart from the cafeterias there are few canteens which run within the various institutes /departments and provide students with basic refreshment options during the working hours of the University. To ensure proper safety & security on the campus, a team of well-trained guards and supervisors remain available round-the-clock around the premises. The University is under 24*7 surveillance with the help of 1383 hi-tech CCTV cameras. The University observes fire prevention norms with modern firefighting equipment and vehicles.

Every department has 'Classless Classes' to help the students learn anytime & anywhere around the campus through online lectures. Students at GLA can avail internet facility on all the computers in the laboratories as well as in their hostels through 1GBPS BSNL & 1GBPS Airtel. All the computers in the University are connected through a campus-wide LAN. There is a wide variety of dedicated servers installed to manage the various functions of the University like Mail Server, MIS & Students Records Maintenance, Office Automation, File Server etc. A strong firewall has also been placed to secure the network from third-party.

The University has two departmental stores within its premises that stock daily need products and stationery items for the students. The hostellers at GLA get everything from stationery to toiletries under one roof. In view of the outburst of COVID 19 University has built 7000 sq. m shopping complex inside the campus in which 17 shops like food court, salon, gift shops, bakery etc and student hangout area to meet the daily requirements of resident students and staff members to prevent the spread of communicable disease.

To serve the banking needs of the students, Indian Overseas Bank operates as a full-fledged bank branch along with two ATM facilities within the University campus.

Further, for providing safe drinking water, RO Systems, connected with water coolers, have been installed in every building of the campus. In order to provide round-the-clock electricity:

One Generator Set	380 KVA
Two Generator Set	500 KVA each
One Generator Set	1269 KVA
Two Generator Set	2375 KVA each

Remain operational on the campus. Cleanliness is given utmost importance and maintenance activities are continuously monitored by the House Keeping department. Solar panels of 2MW capacity are installed at the roof of all academic blocks and hostels to support the movement green energy mission. All hostels are equipped with solar geysers.

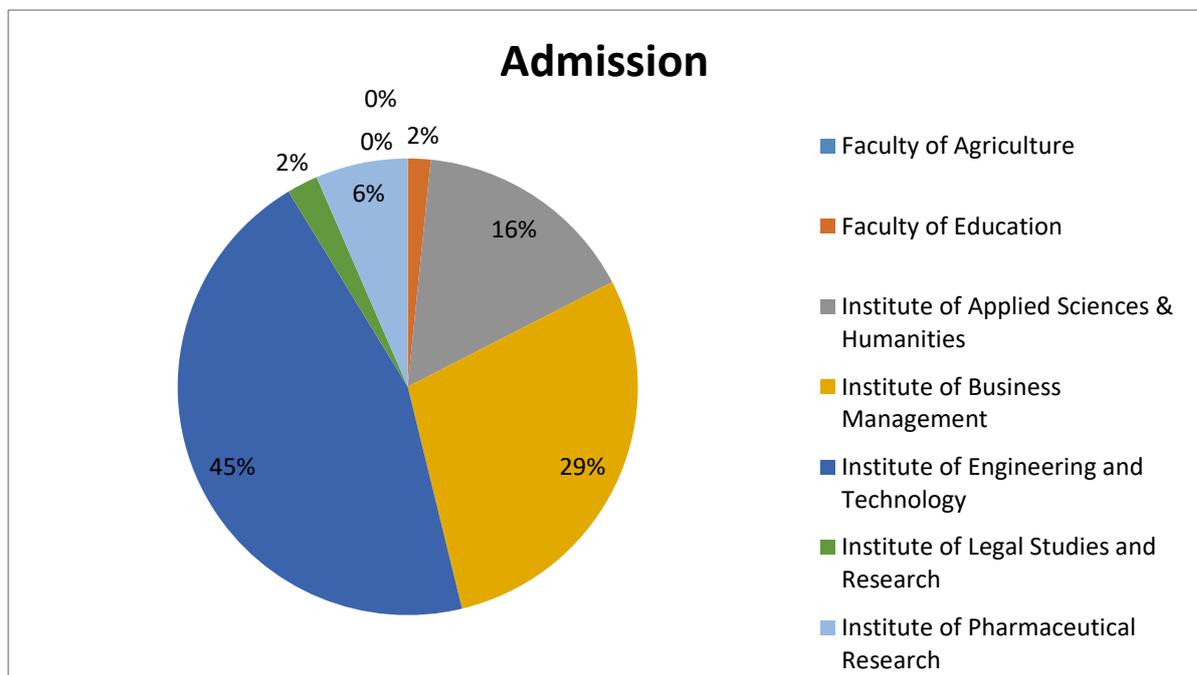
Campus provides residence facilities for its faculty members who are from far-flung areas. There are:

- 32 flats of 1-BHK
 - 66 flats of 2-BHK
 - 7 Flats of 3-BHK family quarters for faculty members.
 - 3 Bungalows are for Vice Chancellor, Pro-Vice Chancellor and Director of Institutes.
-

Admission

The GLA University, Mathura, coordinates with several institutes for the students to jump-start their carriers. The numbers of admissions that have taken place are displayed in the pie-chart given below.

- Institute of Engineering and Technology
- Institute of Business Management
- Institute of Pharmaceutical Research
- Institute of Applied Sciences & Humanities
- Institute of Legal Studies and Research
- Faculty of Education
- Faculty of Agricultural Sciences
- Training and Development Department



Ph. D. Awardees

- 1) Anupam Sharma (169151007), Passive Geolocation of RF Emitters using 3D –TDOA and joint TDOA/FAOA Measurement Performance Analysis, Prof Charul Bhatnagar, Prof D S Chauhan (Supervisor)
- 2) Shahab Uddin (159121004), Experimental and Analytical Study of Friction Stir Welding Process on AA 7075 Aluminum alloys Under Different Welding Parameter, V. K. Diwedi (Supervisor)
- 3) Sheelendra Kumar, (169221003), Properties of Materials at High Pressures and High Temperatures Using the Stacey Reciprocal K-Primed Equation of State, Dr Anuj Vijay, (Supervisor)
- 4) Amit Agrawal, (109411001), Factors Influencing Investment Decision Making Process- A Select Study ,Sumesh Dhamija, (Supervisor)
- 5) MS Soni Sharma, (159220002), High Power Laser Interaction with Nanotubes and Nanoparticles, Anuj Vijay, (Supervisor)
- 6) Nitin Tyagi, (129151003), Artificial Immune System Based Problematic Node Identification in Mobile Ad-Hoc Network, Dr Manas Kumar Mishra, (Supervisor)
- 7) Jitendra Kaushik, (159211002), Studies on Inventory Models for the Deteriorating Items, Dr Ashish Sharma, (Supervisor)
- 8) Ila Mahrotra, (139411002) A Study on Role of Emotions and Individual Values in Response to Government Actions, Prof Anand MohanAgrawal & Prof Sanjaya Singh Gaur, (Supervisor)
- 9) Mohd. Aamir Khan 159150001 Suspect Identification using Visual and Linguistic Information, Prof Anand Singh Jalal, (Supervisor)
- 10) Neeraj Gupta (149151001), Scene Understanding with the Integration of Salient textual Cues,Prof Anand Singh Jalal, (Supervisor)
- 11) Smita Singh, (159411004), A Study of e-HRM in Selected Organizations (Case Study), Prof Anand Mohan Agrawal, (Supervisor)
- 12) Ritesh Kumar Sharma, (139430003), Antimicrobial and Cytokine Mediated Immunomodulatory Effect of Laws OniaInterims Linn in Salmonella Typhimurium Infection, Dr Anjana Goel, (Supervisor)
- 13) Rohit Agrawal, (139151003), Multimodal Liveness Detection System for Presentation Attacks on Fingerprint and Iris Biometrics,Prof Anand Singh Jalal, (Supervisor)
- 14) Ms Ankita Raj, (169411008), Indian Rural Women Empowerment Through Employment: Opportunities and Challenges,Prof Anand Mohan Prof. Atul Bansal Agrawal, (Supervisor)
- 15) Shashi Shekhar, (139151004), Linguistic Structural Framework for Discovering User Intent in Mixed Script Queries Based on Roman Transliteration,Prof. Dilip kumar Sharma , Prof. M.M. Sufyan Beg, (Supervisor)
- 16) Anuja Bhargava, (179130001) Quality Evaluation of Fruits using Image ProcessingProf. Atul Bansal, (Supervisor)
- 17) Piyush Mishra, (139150002), Automated Severity Grading for Ocular Manifestations due to Systemic Diseases using Retinal OCT Images, Prof. Charul Bhatnagar, (Supervisor)
- 18) Mohan Gupta, (159121002), Experimental Investigation of heat transfer and pressure drop in a circular tube using many insert with working fluid water, 139440001,Kamal Sharma, (Supervisor)
- 19) Ahsas Goyal, (139440001), Pharmacological Evaluation of Phosphodiesterase Inhibitors Against Dementia in Estrogen-Deficient Female Rats, Debapriya Garabadu, (Supervisor)
- 20) Bharat Singh, (169121001), Experimental Investigation of Friction Stir WeldedAA2024 and their Electro-Discharge MachiningCharacteristics, Prof. Piyush Singhal, Kuldeep Sharma, (Supervisor)
- 21) Anjali Prajapati, (169230001).Synthesis and characterization of nanoparticles of functionalized albumin and possible applications in cancer drug delivery,Dr Abhishek Srivastv ,Prof. P. Pramanik, (Supervisor)
- 22) Sarika Gupta, (179701002), Sarkar Avam Gair-Sarkari Vishwavidyalayon Ke Aacharyo Me Jivan Ki Gudbatta Ke Sambandh Me Tulnatmak Adhyan, Prof. Kavita Verma, (Supervisor)

- 23) Lokesh Kumar Sharma, (169221001), A Study on Cosmological Models in Modified Theory of Gravity, Benoy kumar Singh , Prof. Anil Kumar Yadav, (Supervisor)
- 24) Yati Sharma, (139440003), Pharmacological Evaluation of Glutamatergic Drugs Against Streptozotocin- Challenged Dementia Rats, Debapriya Garabadu, (Supervisor)
- 25) Bhupesh Chandra Semwal, (129441001), Evaluation of Potential Role of Adenosine Receptor in The Management of Experimentally-Induced Dementia in Mice, Debapriya Garabadu, (Supervisor)
- 26) Risha Khandelwal, (169411002), A study on “Integration of stock markets- Evidences from India and its Asian Emerging, Frontier counterparts, Prof. Kanhaiya Singh ,Prof. Thadavillil Jithendranathan, (Supervisor)
- 27) Rakesh Kaushik, (169430001), Heat stress regulation in differential stress tolerance phenotype and comparative expression analysis of different genes in goat, Anjana Goel, P. K. Rout, (Supervisor)
- 28) Rekha 179701001 Aligarh Jile Ke Mahavidhyalayon Me Karyarat Mahila Aachaaryon Ki Samajparak Swatantrata Par Ucch Shiksha Ka Prabhav 12-08-2020 FOE, Prof. Kavita Verma, (Supervisor)

Extramural Projects

1. Identification of key molecular factors involved in resistance/ susceptibility to paratuberculosis infection in indigenous breeds of cows, PI: Kundan K. Chaubey, DST-SERB, New Delhi, Government, Department of Biotechnology, 2021, 31 Lacks, 2 years
2. Identification of key molecular factors involved in resistance/ susceptibility to paratuberculosis infection in indigenous breeds of cows, GLA: PI: Shoor Vir Singh Co-PI: Kundan K. Chaubey, DBT, New Delhi, Government, Department of Biotechnology, 2020, 96.2048 (GLA: 54.7712 and NAIB: 41.4336), 3 years
3. Development of herbal formulation from medicinal plants (Ocimum sanctum and Solanum xanthocarpum) for the therapeutic management of Mycobacterium avium subspecies paratuberculosis infection in domestic livestock, GLA: PI: Shoor Vir Singh Co-PI: Saurabh Gupta & Dipak Das, DBT, New Delhi, Government, Department of Biotechnology, 2020, 96.04 (GLA: 57.56 and JAMIA: 38.48, 3 years

List of Publications

1. Goyal M., “Composition and dimension dependence of melting temperature in bimetallic nanoalloys, High Temperatures - High Pressures”, 50.2, pg 121-132, Apr-21
2. Rawat, K. and Goyal M. “Modelling to determine the variation of magnetic properties with size and shape in the nanomaterials,” *Pramana - Journal of Physics*, 95.4, 21-Jun-21
3. Tiwari P., Tiwari S.K., Gupta A., “Examining the Impact of Customers’ Awareness, Risk and Trust in M-Banking Adoption,” *FIIB Business Review*, 10. 4, pg 413-423, 23-Jun-21
4. Saxena A., Mathur N., Tiwari P., Mathur S.K., “Whole transcriptome RNA-seq reveals key regulatory factors involved in type 2 diabetes pathology in peripheral fat of Asian Indians,” *Scientific Reports*, 11.1, 20-May-21
5. Pradhan A., Avik D., Loo T.H., Maurya D.C., “A flat FLRW model with dynamical Ω as function of matter and geometry,” *New Astronomy*, 89, [06-Jun-21](#)
6. Singh D., Bajpai N., Kulshreshtha K., “The Effect of Brand Anthropomorphism on Customers’ Behaviour Towards the Indian Hypermarket Brands, Journal of Creative Communications”, 16.3, pg 266-284, 22-Apr-21
7. Rani U., Kamlesh P.K., Agarwal R., Kumari J., Verma A.S., “Electronic and thermo-physical properties of double antiperovskites X_6SOA_2 ($X = Na, K$ and $A = Cl, Br, I$): A non-toxic and efficient energy storage materials,” *International Journal of Quantum Chemistry*, pg 121.19, 23-Jun-21
8. Goyal M., Goyal V., “Effect of size and temperature on vacancy concentration in nanomaterials, *Pramana*” *Journal of Physics*, 95. 3, 15-Feb-21
9. Singhal S., Sharma A., “A job scheduling algorithm based on rock hyrax optimization in cloud computing, *Computing*,” 103. 9, pg 2115-2142, 03-Apr-21
10. Rathor S, Agrawal S., “A robust model for domain recognition of acoustic communication using Bidirectional LSTM and deep neural network,” *Neural Computing and Applications*, 33.17, pg11223-11232, 11-Jan-21
11. Pachori S., Agarwal R., Shukla A., Rani U., Verma A.S., “Mechanically stable with highly absorptive formamidinium lead halide perovskites [(HC(NH₂)₂PbX₃; X = Br, Cl]: Recent advances and perspectives”, *International Journal of Quantum Chemistry*, 121.15, 13-Apr-21
12. Godani, N. “Charging effect on traversable wormholes in $f(R) = R + \lambda R^m + \beta R^{-n}$ gravity, *International Journal of Geometric Methods in Modern Physics*,” 18. 9, 11-Jun-21
13. Goyal, M. Baskonus H.M., “A Reliable Solution of Arbitrary Order Nonlinear Hunter-Saxton Equation with Time Dependent Derivative in Liouville-Caputo Sense,” *International Journal of Applied and Computational Mathematics*, 7.4, 15-Jun-21
14. Godani, N. Samanta G.C., “FRW cosmology in $f(Q, T)$ gravity”, *International Journal of Geometric Methods in Modern Physics*, 18.9, 24-May-21
15. Joshi, T.K. Sharma G., Agarwal R., Verma A.S., “Emerging potential photovoltaic absorber hybrid halide perovskites (CH₃CH₂NH₃PbX₃; X = Br, Cl) materials: an ab-initio calculation,” *International Journal of Energy Research*, 45.10, pg 15231-15244, 30-Apr-21
16. Tiwari A., Sharma A. “Imperfect Debugging-Based Modeling of Fault Detection and Correction Using Statistical, Methods, Journal of Circuits, Systems and Computers,” 30.10, 18-Feb-21
17. Saxena A, Gautam S. S., “Employee mental well-being amidst Covid-19: Major stressors and distress,” *Journal of Public Affairs*, 21.3, 20-Nov-20
18. Kumar K., Prakash A, Singh K., “How National Education Policy 2020 can be a lodestar to transform future generation in India,” *Journal of Public Affairs*, 21.3, 25-Sep-20
19. Rajput R.S., Singh J., Singh P., Vaishnav A., Singh H.B., “Influence of Seed Biopriming and Vermiwash Treatment on Tomato Plant's Immunity and Nutritional Quality upon *Sclerotium rolfsii* Challenge Inoculation,” *Journal of Plant Growth Regulation*, 40.4, pg 1493-1509, 03-Sep-20
20. Tiwari V, Bhatnagar C., “A survey of recent work on video summarization: approaches and techniques, *Multimedia Tools and Applications*,” 80, 18, 27187-27221, 15-May-21

21. Sarkar B., Ganesh T., Munshi A., Manikandan A., Roy S., Krishnankutty S., Chitral L., Sathiya J., Pradhan A., Mohanti B.K., "Rotational positional error-corrected linear set-up margin calculation technique for lung stereotactic body radiotherapy in a dual imaging environment of 4-D cone beam CT and ExacTrac stereoscopic imaging," *Radiologia Medica*, 126, 7, 979-988, 26-Apr-21
22. Kumar V., Sharma D.K., Mishra V.K., "Mille Cheval: a GPU-based in-memory high-performance computing framework for accelerated processing of big-data streams," *Journal of Supercomputing*, 77.7, pg 6936-6960, 04-Jan-21
23. Verma A., Ranga V., "The impact of copycat attack on RPL based 6LoWPAN networks in Internet of Things Computing," 103. 7, pg1479-1500, 01-Nov-20
24. Saxena K.K., Pancholi V., Zrâ€ "Nb Alloys and Its Hot Deformation Analysis Approaches, *Metals and Materials International*," 27. 7, 2106-2133, 25-Jul-20
25. Parmar J.K., Chaubey K.K., Gupta V., Bharath M.N., Assessment of various veterinary drug residues in animal originated food products, *Veterinary World*, 14, 6, 1650-1664, 28-Jun-21
26. Kathpal S., Kumar K., Kumar P., Mishra S., Building a Low Carbon Indian Economy, IOP Conference Series: Earth and Environmental Science, 795, 1, 28-Jun-21
27. Singh K, Srivastava A., R&D Management as a Driver for Sustainable Agricultural Innovation and Adoption: Evidence from India, IOP Conference Series: Earth and Environmental Science, 795, 1, 28-Jun-21
28. Srivastava S., Gupta P., Kumar P., Emotion Recognition Based Emoji Retrieval Using Deep Learning, Proceedings of the 5th International Conference on Trends in Electronics and Informatics, ICOEI 2021, 1182-1186, 03-Jun-21
29. VijayAnand S., Kumar S.S., Chaturvedi A., Nithya S., Shabaz M., Gowsalya S., Load Manage Optimization through Grid and PV Energy Integration System, Proceedings of the 5th International Conference on Trends in Electronics and Informatics, ICOEI 2021, 10, 13, 03-Jun-21
30. Agrawal G.P., Validated stability indicating method for determination of indapamide in pharmaceutical formulation, *Research Journal of Pharmacy and Technology*, 14, 6, 3347-3352, Jun-21
31. Vashistha V.K., Kumar A., Kinetic and Biological Studies of Nickel(II) and Copper(II) Macrocyclic Complexes, *Russian Journal of Inorganic Chemistry*, 66, 6, 834-838, [29-Jun-21](#)
32. Kumar R., Determining the efficiency of the black & scholes model in pricing of nifty stock options after addressing the negative cost of carry problem, *Finance India*, 35, 2, 503-512, Jun-21
33. Vashistha V.K., Kumar A., Das D.K., Alwera S., Vyas R., Sharma V., Sethi S., Pullabhotla R., Nagar H., Different approaches in thin-layer chromatography for enantioresolution of acebutolol using colistin sulfate as chiral selector, *Journal of Planar Chromatography - Modern TLC*, 34, 3, 211-215, Jun-21
34. Sarkar B., Ghosh T., Biswal S.S., Shahid T., Ganesh T., In regards to Pokhrel et al. Clinical validation of ring-mounted halcyon linac for lung SBRT: Comparison to SBRT-dedicated C-arm linac treatments. JACMP 2021 Jan;22(1):261-70, *Journal of Applied Clinical Medical Physics*, 22, 6, 281-282, 27-May-21
35. Khan S., Haleem A., Deshmukh S.G., Javaid M., Exploring the impact of COVID-19 pandemic on medical supply chain disruption, *Journal of Industrial Integration and Management*, 6, 2, 235-255, Jun-21
36. Godani N., Samanta G.C., "Gravitational lensing effect in traversable wormholes," *Annals of Physics*, 429, Jun-21
37. Choubey P.K., Tripathi A., Tripathi M.K., Seth A., Shrivastava S.K., Design, synthesis, and evaluation of N-benzylpyrrolidine and 1,3,4-oxadiazole as multitargeted hybrids for the treatment of Alzheimer's disease, *Bioorganic Chemistry*, 111, Jun-21
38. Sharma V., Kumar A., SYNTHESIS, CHARACTERIZATION and ORR ACTIVITY of METAL-N4-NANOCOMPOSITES, *Surface Review and Letters*, 28, 6, Jun-21

39. [Sharma D.K.](#), Pamula R., [Chauhan D.S.](#), Semantic approaches for query expansion, *Evolutionary Intelligence*, 14, 2, 1101-1116, Jun-21
40. [Godani N.](#), Samanta G.C., Charged traversable wormholes in f (R) gravity, *International Journal of Geometric Methods in Modern Physics*, 18, 7, 18-Mar-21
41. [Pandey A.K.](#), Ali Laghari I., Reji Kumar R., Chopra K., Samykano M., Abusorrah A.M., [Sharma K.](#), Tyagi V.V., Energy, exergy, exergoeconomic and enviroeconomic (4-E) assessment of solar water heater with/without phase change material for building and other applications: A comprehensive review, *Sustainable Energy Technologies and Assessments*, 45, Jun-21
42. [Dwivedi V.K.](#), Sharma P., Kumar D., Modeling and Multi-Objective Optimization for APSed , Thermal Barrier Coatings on IN718, *Surface Review and Letters*, 28, 6, 13-Mar-21
43. Shankar R., Upadhyay P.K., Kumar M., Protease Enzymes: Highlights on Potential of Proteases as Therapeutics Agents, *International Journal of Peptide Research and Therapeutics*, 27, 2, 1281-1296, Jun-21
44. Agarwal D., Bansal A., A utility of pores as level 3 features in latent fingerprint identification, *Multimedia Tools and Applications*, 80, 15, 23605-23624, Jun-21
45. Samuel A., [Sharma D.K.](#), Location estimation of non-geo-tagged tweets, *Evolutionary Intelligence*, 14, 2, 205-216, Jun-21
46. Tariq F., [Bhargava P.](#), Post corrosion bond-slip models for super ductile steel with concrete, *Construction and Building Materials*, 285, 24-May-21
47. Tripathi R.K., [Jalal A.S.](#) A Local Descriptor for Age Invariant Face Recognition under Uncontrolled Environment ICSCCC 2021 - International Conference on Secure Cyber Computing and Communications, 513-517, 21-May-21
48. Sharma H.K., Kumar S., Verma S.K., [Kumar A.](#), Singh M.K., Singh K.K., Nusselt number optimization for double pass solar air heater having transverse and inclined ribs as roughness element using GA, *AIP Conference Proceedings*, 2341, 13-May-21
49. Deshmukh R., Development and in-vitro evaluation of colon specific indomethacin matrix tablet for the treatment of inflammatory bowel disease, *Research Journal of Pharmacy and Technology*, 14, 5, 2391-2396, May-21
50. Singh B., [Gupta J.](#), Mohan R., Gupta R., Pal K., Hypouricemic significance of ledum palustre (Marsh tea): A review, *Research Journal of Pharmacy and Technology*, 14, 5, 2907-2912, May-21
51. [Singh D.](#), Shukla A., Analysis of optimum precoding schemes in millimeter wave system, *Recent Advances in Computer Science and Communications*, 14, 4, 1164-1172, May-21
52. Agrawal A., Goyal V., Mishra P., Comparative study of fuzzy PID and PID controller optimized with spider monkey optimization for a robotic manipulator system, *Recent Advances in Computer Science and Communications*, 14, 4, 1173-1181, May-21
53. Srivastava A., Srivastava N., Tripathi U.N., Synthesis, spectral and sol-gel behavior of mixed ligand complexes of titanium(IV) with oxygen, nitrogen and sulfur donor ligands, *Bulletin of the Chemical Society of Ethiopia*, 35, 1, 61-76, May-21
54. Singh B.K., [Singh R.P.](#), [Singh D.V.](#), P- v criticality, phase structure and extended thermodynamics of AdS ABG black holes, *European Physical Journal Plus*, 136, 5, May-21
55. Pratap S.P., Shobha B., Kalpana R., Pullabhotla Rajasekhar V.S.R., Synthesis of novel 1,4-bis-isoxazol/pyrazole and phenylpyrazole scaffolds by efficient green protocol and evaluation of biological properties thereof, *Research Journal of Chemistry and Environment*, 25, 5, 48-61, May-21
56. Sarkar B., Basu P., Solution of Lagrange's equation of motion from the first principle for volumetric modulated arc therapy delivery, *Health and Technology*, 11, 3, 677-680, May-21
57. [Kumar A.](#), Vashistha V.K., [Sharma V.](#), Substituent effect on catalytic activity of Co phthalocyanines for oxygen reduction reactions, *Inorganic Chemistry Communications*, 127, May-21
58. Haleem A., Khan S., Luthra S., Varshney H., Alam M., Khan M.I., Supplier evaluation in the context of circular economy: A forward step for resilient business and environment concern, *Business Strategy and the Environment*, 30, 4, 2119-2146, May-21

59. Kumar H., Tomar V.K., Design of Low Power with Expanded Noise Margin Subthreshold 12T SRAM Cell for Ultra-Low Power Devices, Journal of Circuits, Systems and Computers, 30, 6, May-21
60. Govil N., Sharma A., Information Extraction on Requirement Prioritization Approaches in Agile Software Development Processes, Proceedings - 5th International Conference on Computing Methodologies and Communication, ICCMC 2021, 1097-1100, 08-Apr-21
61. Govil N., Analyzing Software Effort Estimation by Applying Static, Single and Multi-Variable Models, Proceedings - 5th International Conference on Computing Methodologies and Communication, ICCMC 2021, 832-835, 08-Apr-21
62. Singh K.R., Goswami A.P., Kalamdhad A.S., Kumar B. Water quality evaluation and apportionment of pollution sources: A case study of the baralia and puthimari river (India), Water Practice and Technology, 16, 2, 692-706, 01-Apr-21
63. Mohanty P., Orality, literacy and translation, Rupkatha Journal on Interdisciplinary Studies in Humanities, 13, 2, 1, 10, Apr-21
64. Anoop Kumar P., Shukla D.V., Vijay S., Vijay Narayan M., Apoorva D., Comprehensive DFT calculations on protonated metallic hexa halide anions MX_6^{n-} (M=Ni, Pd, Pt; X=F, Cl), Journal of the Indian Chemical Society, 98, 4, Apr-21
65. Shilpi P., Pradeep M., Determination of Saxagliptin in Bulk and Pharmaceutical Formulation using Stability indicating RP-HPLC Method with DAD Detector, Research Journal of Chemistry and Environment, 25, 4, 140-147, Apr-21
66. Vinod Kumar Vashistha, Kumar A., Tevatia P., Das D.K., Synthesis, Characterization, Electrochemical and Antimicrobial Studies of Iron(II) and Nickel(II) Macrocyclic Complexes, Russian Journal of Electrochemistry, 57, 4, 348-356, [20-May-21](#)
67. Singh M.K., Karmakar S., Singh V., Multiplicity characteristics of target fragments and shower particles with noninteracting projectile nucleons emitted in $^{84}Kr + ^{208}Pb$ interaction at 1 A GeV, European Physical Journal Plus, 136, 4, [20-Apr-21](#)
68. Saraswat S., Tomar V.K., Deolia V.K., Sharma A., Dahshan A., Mehta N., Estimation of density of charged defect states in some glasses of SeTeSnPb system using low-temperature d.c. conductivity measurements, Journal of Materials Science: Materials in Electronics, 32, 7, 9509-9516, Apr-21
69. Yadav P., Shah K., Quinolines, a perpetual, multipurpose scaffold in medicinal chemistry, Bioorganic Chemistry, 109, Apr-21
70. Chaturvedi S., Garg A., An insight of techniques for the assessment of permeation flux across the skin for optimization of topical and transdermal drug delivery systems: α -Modelling the topical and transdermal drug delivery system, Journal of Drug Delivery Science and Technology, 62, Apr-21
71. Srivastava P., Shukla A., Bansal A., A comprehensive review on soil classification using deep learning and computer vision techniques, Multimedia Tools and Applications, 80, 10, 14887-14914, Apr-21
72. Suyal D.C., Soni R., Singh D.K., Goel R., Microbiome change of agricultural soil under organic farming practices, Biologia, 76, 4, 1315-1325, Apr-21
73. Singh M., Taele B.M., Goyal M., Modeling of size and shape dependent band gap, dielectric constant and phonon frequency of semiconductor nanosolids, Chinese Journal of Physics, 70, 26-36, Apr-21
74. Goyal M., Bhardwaj V.K., Prakash A., Investigating new positive, bounded, and convergent numerical solution for the nonlinear time-dependent breast cancer dynamic competition model, Mathematical Methods in the Applied Sciences, 44, 6, 4636-4653, Apr-21
75. Kumar H., Tomar V.K., A Review on Performance Evaluation of Different Low Power SRAM Cells in Nano-Scale Era, Wireless Personal Communications, 117, 3, 1959-1984, Apr-21
76. Godani N., Samanta G.C., Traversable wormholes supported by non-exotic matter in general relativity, New Astronomy, 84, Apr-21

77. [Kumar A.](#), [Sharma K.](#), [Dixit A.R.](#), A review on the mechanical properties of polymer composites reinforced by carbon nanotubes and graphene, *Carbon Letters*, 31, 2, 149-165, Apr-21
78. [Sachdeva A.](#), [Tomar V.K.](#), Design of Low Power Half Select Free 10T Static Random-Access Memory Cell, *Journal of Circuits, Systems and Computers*, 30, 4, 30-Mar-21
79. [Sun K.](#), [Song S.](#), [Kumar A.](#), [Shang Z.](#), [Duan X.](#), [Wang S.](#), [Tian S.](#), [Tang J.](#), [Zhou D.](#), [Sun X.](#), Synthesis of Nanosized Metal Sulfides Using Elemental Sulfur in Formamide: Implications for Energy Conversion and Optical Scenarios, *ACS Applied Nano Materials*, 4, 3, 2357-2364, 26-Mar-21
80. [Jain V.](#), [Mangal A.](#), A Novel 3D Object Watermarking Technique Using Hash Key Cryptography, *Proceedings - International Conference on Artificial Intelligence and Smart Systems, ICAIS 2021*, 1122-1126, 25-Mar-21
81. [Garg S.](#), Intelligent Pattern Classification of Factors Affecting Concurrent Engineering Techniques, 2021 7th International Conference on Advanced Computing and Communication Systems, *ICACCS 2021*, 1864-1871, 19-Mar-21
82. [Agrawal R.](#), [Sharma D.K.](#), A survey on video-based fake news detection techniques, *Proceedings of the 2021 8th International Conference on Computing for Sustainable Global Development, INDIACom 2021*, 663-669, 17-Mar-21
83. [Gupta G.K.](#), [Sharma D.K.](#), Depression detection on social media with the aid of machine learning platform: A comprehensive survey, *Proceedings of the 2021 8th International Conference on Computing for Sustainable Global Development, INDIACom 2021*, 658-662, 17-Mar-21
84. [Agarwal A.](#), [Agrawal D.](#), [Sharma D.K.](#), Trademark image retrieval using color and shape features and similarity measurement, *Proceedings of the 2021 8th International Conference on Computing for Sustainable Global Development, INDIACom 2021*, 486-490, 17-Mar-21
85. [Singh B.](#), [Sharma D.K.](#), Image forgery over social media platforms - A deep learning approach for its detection and localization, *Proceedings of the 2021 8th International Conference on Computing for Sustainable Global Development, INDIACom 2021*, 705-709, 17-Mar-21
86. [Kaushik M.K.](#), [Agrawal D.](#), Influence of technology readiness in adoption of e-learning, *International Journal of Educational Management*, 35, 2, 483-495, 15-Mar-21
87. [Pant G.](#), [Garlapati D.](#), [Agrawal U.](#), [Prasuna R.G.](#), [Mathimani T.](#), [Pugazhendhi A.](#), Biological approaches practised using genetically engineered microbes for a sustainable environment: A review, *Journal of Hazardous Materials*, 405, 05-Mar-21
88. [Singh A.](#), [Singh A.](#), Complaints and their redressal: A study on the indian banking system, *Indian Journal of Finance*, 15, 3, 23-41, Mar-21
89. [Kathpal S.](#), [Siddiquei M.I.](#), Investigating the impact of covid-19 on investorâ€™s bias: An empirical study, *Finance India*, 35, 1, 187-204, Mar-21
90. [Kumar R.](#), [Bhardwaj D.](#), [Mishra M.K.](#), Event driven application specific prioritized data transmission approach for underwater wireless sensor networks, *Journal of Scientific and Industrial Research*, 80, 3, 276-282, Mar-21
91. [Patel A.K.](#), [Mishra M.K.](#), [Gupta J.](#), [Ghoshal S.](#), [Gupta R.](#), [Kushwaha K.](#), Guar Gum-Based Floating Microspheres of Repaglinide Using 32Factorial Design: Fabrication, Optimization, Characterization, and in Vivo Buoyancy Behavior in Albino Rats, *Assay and Drug Development Technologies*, 19, 2, 63-74, 01-Mar-21
92. [Gupta J.](#), [Gupta R.](#), [Vanshita](#), Microneedle Technology: An Insight into Recent Advancements and Future Trends in Drug and Vaccine Delivery, *Assay and Drug Development Technologies*, 19, 2, 97-114, 01-Mar-21
93. [Ghatak B.](#), [Naskar H.](#), [Pradhan S.](#), [Tudu B.](#), [Mukherji S.](#), [Bandyopadhyay R.](#), [Pramanik P.](#), Electrochemical Detection of Important Biomarker for Artificial Ripening of Mango by Polymethacrylic Acid Imprinted Polymer Sensor, *IEEE Sensors Journal*, 21, 5, 5695-5702, 01-Mar-21
94. [Awasthi A.K.](#), [Singh P.K.](#), Tuberculosis management in India during COVID-19 crisis, *Journal of Public Health Policy*, 42, 1, 185-189, Mar-21

95. Nagar S., Sharma K., Modern solar systems driven by nanoparticles-based fatty acids and paraffin wax phase change materials, *Journal of Materials Science*, 56, 8, 4941-4966, Mar-21
96. Yadav P., Shah K., An overview on synthetic and pharmaceutical prospective of pyrido[2,3-d]pyrimidines scaffold, *Chemical Biology and Drug Design*, 97, 3, 633-648, Mar-21
97. Vaidya A., Pathak D., Shah K., 1,3,4-oxadiazole and its derivatives: A review on recent progress in anticancer activities, *Chemical Biology and Drug Design*, 97, 3, 572-591, Mar-21
98. Bhargava A., Bansal A., Fruits and vegetables quality evaluation using computer vision: A review, *Journal of King Saud University - Computer and Information Sciences*, 33, 3, 243-257, Mar-21
99. Tripathi K., Pathak P., Deep learning techniques for air pollution, *Proceedings - IEEE 2021 International Conference on Computing, Communication, and Intelligent Systems, ICCIS 2021*, 1013-1020, 19-Feb-21
100. Shrivastava P., Sharma D., Web based recommendation system using Multi-attribute collaborative filtering for user satisfaction, *Proceedings of International Conference on Innovative Practices in Technology and Management, ICIPTM 2021*, 180-185, 17-Feb-21
101. Bajpai S.T., Sharma D.K., Retrieving images through content based fuzzy information retrieval-a survey, *Proceedings of International Conference on Innovative Practices in Technology and Management, ICIPTM 2021*, 238-242, 17-Feb-21
102. Gupta J.K., Safety and toxicological profile of contemporary analeptics: Prodigious focus on doxapram and almitrine, *Research Journal of Pharmacy and Technology*, 14, 2, 1104-1108, 16-Feb-21
103. Pradhan A., Dixit A., Bhardwaj V.K., Barrow HDE model for statefinder diagnostic in FLRW universe, *International Journal of Modern Physics A*, 36, 4, 10-Feb-21
104. Jain V., Yadav A., Analysis of performance of machine learning algorithms in detection of flowers, *Proceedings of the 3rd International Conference on Intelligent Communication Technologies and Virtual Mobile Networks, ICICV 2021*, 706-709, 06-Feb-21
105. Dhakad P.K., Sharma P.K., Mishra R., A review on phytochemistry, spermidine alkaloids and stachydrine: *Capparis decidua* (forssk.) edgew, *Research Journal of Pharmacy and Technology*, 14, 2, 1171-1176, Feb-21
106. Singh N.K., Ulcerative colitis: A comprehensive review, *Research Journal of Pharmacy and Technology*, 14, 2, 1190-1192, Feb-21
107. Islam A., Dwivedi V.K., Dwivedi S.P., Effect of friction stir process parameters on mechanical properties of Al/Eggshell/SiC composite material, *Annales de Chimie: Science des Matériaux*, 45, 1, 51-57, Feb-21
108. Goel A., Ritesh S., Juhi P., Regulation of IL-2 and IL-4 cytokines by fractionated *Lawsonia inermis* Linn. leaves extract, *Research Journal of Biotechnology*, 16, 2, 66-72, 01-Feb-21
109. Paras S., Kumar C.K., Bharti Pawan K., Protam B.P., Premnidhi Y., Risk factors and preventive measures for basal cells carcinoma in India, *Research Journal of Biotechnology*, 16, 2, 237-240, Feb-21
110. Dhamija A., Significance of spirituality and health care: A holistic approach, *International Journal of Current Research and Review*, 13, 4, 147-151, Feb-21
111. Dixit A., Singhal S., Zeyauddin M., Model for modified holographic ricci dark energy in gravitation theory of Branc Dicke, *Walailak Journal of Science and Technology*, 18, 3, 1, 15, 01-Feb-21
112. Goel A., Kulshrestha S., Review on anti-rheumatoid arthritis potential of medicinal plants, *International Journal of Current Research and Review*, 13, 3, 16-32, Feb-21
113. Sharma U.K., Varshney G., Dubey V.C., Barrow agegraphic dark energy, *International Journal of Modern Physics D*, 30, 3, Feb-21
114. Singh L.K., Pooja, Garg H., Khanna M., Bhadoria R.S., An enhanced deep image model for glaucoma diagnosis using feature-based detection in retinal fundus, *Medical and Biological Engineering and Computing*, 59, 2, 333-353, Feb-21

115. Sharma U.K., Reconstruction of quintessence field for the THDE with swampland correspondence in $f(R, T)$ gravity, International Journal of Geometric Methods in Modern Physics, 18, 2, Feb-21
116. Jeswani G., Paul S.D., Ajazuddin, Deshmukh R., Design of vincristine sulfate loaded poloxamer in situ nanogel: Formulation and in vitro evaluation, Journal of Drug Delivery Science and Technology, 61, Feb-21
117. Sengupta D., Biswas A., Gupta P., Correction to: Non-linear weight adjustment in adaptive gamma correction for image contrast enhancement (Multimedia Tools and Applications, (2021), 80, 3, (3835-3862), 10.1007/s11042-020-09583-1), Multimedia Tools and Applications, 80, 4, 6507, Feb-21
118. Pradhan S., Bhattacharyya Banerjee M., Biswas S., Aliya Hamizi N., Das D.K., Bhar R., Bandyopadhyay R., Pramanik P., An Efficient Simultaneous Electrochemical Detection of Nanomolar Epinephrine and Uric Acid using Low Temperature Synthesized Nano-sized Copper Telluride, Electroanalysis, 33, 2, 383-392, Feb-21
119. Kulshrestha J., Mishra M.K., Energy balanced data gathering approaches, issues and research directions, Telecommunication Systems, 76, 2, 299-327, Feb-21
120. Singh U.P., Sinha P., Kumar M., Analysis of hydrostatic rough thrust bearing lubricated with Rabinowitsch fluid considering fluid inertia in supply region, Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 235, 2, 386-395, Feb-21
121. Mahale P., Dixit S.K., Error estimates for the iteratively regularized Newton-Landweber method in Banach spaces under approximate source conditions, Journal of Inverse and Ill-Posed Problems, 29, 1, 27-48, 01-Feb-21
122. Kumar J., Singh A.K., Mohan A., Resource-efficient load-balancing framework for cloud data center networks, ETRI Journal, 43, 1, 53-63, Feb-21
123. Khan S.A., Ahmad S., Jamshed M., IoT-enabled services in online food retailing, Journal of Public Affairs, 21, 1, Feb-21
124. Kumar R., Bhardwaj D., Mishra M.K., EBH-DBR: Energy-balanced hybrid depth-based routing protocol for underwater wireless sensor networks, Modern Physics Letters B, 35, 3, 30-Jan-21
125. Goyal A., Gupta J.K., Garabadu D., Phytoestrogens are emerging medicine in prevention and management of cognitive deficits in postmenopausal women, Research Journal of Pharmacy and Technology, 14, 1, 513-515, 29-Jan-21
126. Agrawal S., Maheshwari P., Controlling of Smart Movable Road Divider and Clearance Ambulance Path Using IOT Cloud, 2021 International Conference on Computer Communication and Informatics, ICCCI 2021, 27-Jan-21
127. Yadav K., Maurya S., Fuzzy Control Implementation for Energy Management in Hybrid Electric Vehicle, 2021 International Conference on Computer Communication and Informatics, ICCCI 2021, 27-Jan-21
128. Agarwal R., Phrases based document classification from semi supervised hierarchical LDA, Proceedings of 2nd International Conference on Computation, Automation and Knowledge Management, ICCAKM 2021, 332-337, 19-Jan-21
129. Mittal D., Tomar V.K., Implementation and analysis of Leakage Reduction Techniques in 6T SRAM cell, IOP Conference Series: Materials Science and Engineering, 1033, 1, 18-Jan-21
130. Agrawal A., Analytical study of the robustness of the different variants of fractional-order self-tuned fuzzy logic controllers, IOP Conference Series: Materials Science and Engineering, 1022, 1, 18-Jan-21
131. Islam A., Dwivedi S.P., Dwivedi V.K., Effect of friction stir process parameters on tensile strength of eggshell and SiC-reinforced aluminium-based composite, World Journal of Engineering, 18, 1, 157-166, 07-Jan-21
132. Bhardwaj C.K., Prakash S., Bhardwaj A.K., Study of nitrazepam interaction with alcohol: An ultrasonic and physiochemical investigation, Canadian Journal of Chemistry, 99, 12, 942-949, 16-Jun-21

133. Verma S.K., Dwivedi V.K., Dwivedi S.P., Utilization of waste spent alumina catalyst for the development of valuable product - A review, *Materials Today: Proceedings*, 47, 4079-4082, 22-Jun-21
134. Yadav R., Dwivedi V.K., Kishore C., Bansal G., Differentiate mechanical properties of the metal joining process through FCW, FSW and FSP: A review, *Materials Today: Proceedings*, 46, 10252-10256, 29-Jan-21
135. Bansal G., Kishore C., Selvaraj R.M., Dwivedi V.K., Experimental determination of the effect of change in relative roughness pitch on the thermo-hydraulic performance of air heater working with solar energy, *Materials Today: Proceedings*, 46, 10668-10671, 22-Feb-21
136. Srivastava M., An overview of cyber-security issues in smart grid, *Lecture Notes on Data Engineering and Communications Technologies*, 66, 643-650, 22-Jun-21
137. Sharma A., Kaushik J., Inventory model for deteriorating items with ramp type demand under permissible delay in payment, *International Journal of Procurement Management*, 14, 5, 578-595, 24-May-21
138. Pradhan A., Garg P., Dixit A., Frw cosmological models with cosmological constant in $f(R, t)$ theory of gravity, *Canadian Journal of Physics*, 99, 999, 741-753, 16-Mar-21
139. Mishra N.K., Baba M.H., Delayed care is no care: COVID-19 impact on cancer patients an ethical perspective, *JK Practitioner*, 26, 1, 59-66, Jan-21
140. Islam A., Dwivedi S.P., Dwivedi V.K., Sharma S., Kozak4 D., Development of marble dust/waste pet based polymer composite material for environmental sustainability: Fabrication and characterizations, *Materials Performance and Characterization*, 10, 1, 538-552, 01-Jan-21
141. Shukla A., Comparative analysis of various code domain NOMA schemes for future communication networks, *Materials Today: Proceedings*, 46, 5797-5800, Mar-21
142. Agrawal R., Kumar M., Low Power Single Bit Cache Memory Architecture, *Materials Today: Proceedings*, 46, 5808-5816, Apr-21
143. Patel A., Shukla A., On the performance of modulo based Deci power interleaver in code domain NOMA system, *Materials Today: Proceedings*, 46, 5785-5790, 23-Mar-21
144. Kumar A., Singh S., Yadav A., Recent progress in inverted perovskite solar cells employing nickel oxide (NiOx) as a hole transport materials, *Materials Today: Proceedings*, 46, 5827-5832, Mar-21
145. Mausam K., Comparative Experimental Investigation of Properties of Kevlar Composites and E-glass-Reinforced Kevlar Fiber Hybrid Composites Suitable for Making Component of Wing Box in Aerospace Industry, *Lecture Notes in Mechanical Engineering*, 291-299, 27-Jun-21
146. Kukreja N., Singhal P., Robotic Service Intelligent Applications for Mapping and Moving Object Detection Based on Multi-sensor Fusion, *Lecture Notes in Mechanical Engineering*, 321-331, 27-Jun-21
147. Singhal P., Sharma R., Enhancing the E-business Through Generalized Association Rule Mining from the Web-Based Data, *Lecture Notes in Mechanical Engineering*, 341-348, 27-Jun-21
148. Srivastava S., Sharma V., HSE Evaluation and Development in Explosion Blast Procedure, *Lecture Notes in Mechanical Engineering*, 349-355, Jan-21
149. Chawla C., Dixit A., Pradhan A., Modeling of traversable wormholes in exponential $f(R, t)$ gravity, *Canadian Journal of Physics*, 99, 8, 634-645, 19-Feb-21
150. Mausam K., Upshot of Sonication Method Over Nanofluids Stability in SEHs: A Crisp Review Outlook, *Lecture Notes in Mechanical Engineering*, 311-320, 27-Jun-21
151. Yadav A., Pathak P., Control System for Hybrid Journal Bearing: A Fuzzy Approach, *Lecture Notes in Mechanical Engineering*, 201-210, 26-Jun-21
152. Islam A., Sharma K., Sharma A., Biosensors – An Emerging Trending Biomedical Engineering, *Lecture Notes in Mechanical Engineering*, 301-309, 27-Jun-21
153. Sharma R., Singhal P., Integration of Supply Chain Management and Information System: Key to Competitive Advantage for the Future, *Lecture Notes in Mechanical Engineering*, 333-340, Jan-21

154. Yadav R., Sharma K., Three-Wheeler (Loading Auto-Rickshaw) Suspension by FEA, Lecture Notes in Mechanical Engineering, 523-530, 23-Jun-21
155. Sachdeva A., Tomar V.K., Stability and Dynamic Power Analysis of A Novel 9T SRAM Cell for IoT Applications, Lecture Notes in Networks and Systems, 204, 945-953, 29-Jun-21
156. Singh D., Bajpai N., Kulshreshtha K., Factors underlying brand trust for affecting brand love leading to customers' purchase intention in Indian hypermarkets, International Journal of Electronic Marketing and Retailing, 12, 3, 254-284, 17-May-21
157. Yadav A., Deolia V.K., Agrawal S., Indirect closed loop control of quasi-Z-source inverter for standalone solar PV-based energy conversion system, International Journal of Power and Energy Conversion, 12, 3, 236-251, 09-Jun-21
158. Shankhdhar A., Gupta T., Gautam Y.V., Divorce Prediction Scale Using Improvised Machine Learning Techniques, Lecture Notes in Networks and Systems, 204 LNNS, 777-788, 08-Jun-21
159. Mangal D., Sharma D.K., A Framework for Detection and Validation of Fake News via Authorize Source Matching, Lecture Notes in Networks and Systems, 179 LNNS, 577-586, 29-May-21
160. Shankhdhar A., Rachit, Kumar V., Mathur Y., Human Scream Detection Through Three-Stage Supervised Learning and Deep Learning, Lecture Notes in Networks and Systems, 204 LNNS, 379-390, 08-Jun-21
161. Pradhan R., Sharma D.K., A Frequency-Based Approach to Extract Aspect for Aspect-Based Sentiment Analysis, Lecture Notes in Networks and Systems, 203 LNNS, 499-510, 25-May-21
162. Pundhir S., Ghose U., Kumari V., LegitANN: Neural Network Model with Unbiased Robustness, Lecture Notes in Networks and Systems, 192 LNNS, 385-397, Sep-20
163. Kumar A., Kumari M., Multidisciplinary Real-Time Model for Smart City Using Internet of Things, Lecture Notes in Networks and Systems, 192 LNNS, 145-152, 11-May-21
164. Ahlawat V., Narayan Y., Kumar D., DWT-Based Hand Movement Identification of EMG Signals Using SVM, Lecture Notes in Networks and Systems, 192 LNNS, 495-505, 11-May-21
165. Bansal K., Bansal N., Agrawal A., Thakur B.M., Enhanced Movie Reviews Classification Using Precise Combination of PCA with LSTM Model, Lecture Notes in Networks and Systems, 192 LNNS, 337-347, 11-May-21
166. Kumar M., Optimization of LNA Consisting of CCG Stage and Mutually Coupled CS Stage Using PSO Algorithm for UWB Applications, Lecture Notes in Networks and Systems, 192 LNNS, 93-99, 11-May-21
167. Bhargava A., Bansal A., Machine Learning-Based Detection and Grading of Varieties of Apples and Mangoes, Lecture Notes in Networks and Systems, 192 LNNS, 455-462, 11-May-21
168. Khandelwal U., Singh T.P., Recapitulation of Research in Artificial Intelligence: A Bibliometric Analysis, Lecture Notes in Networks and Systems, 192 LNNS, 539-548, 11-May-21
169. Rathor S., Kumari S., Singh R., Gupta P., Two Layers Machine Learning Architecture for Animal , Classification Using HOG and LBP, Lecture Notes in Networks and Systems, 192 LNNS, 445-453, 11-May-21
170. Sharma R., Goswami A., Tomar V.K., Review: Parametric Variations in Analog-to-Digital Converters Using Different CMOS Technologies, Lecture Notes in Networks and Systems, 192 LNNS, 101-110, 11-May-21
171. Sharma H., A Novel Image Captioning Model Based on Morphology and Fisher Vectors, Lecture Notes in Networks and Systems, 192 LNNS, 483-493, 11-May-21
172. Pathak P., Gangwar H., Agarwal A., Detecting Negative Emotions to Counter Depression Using CNN, Lecture Notes in Networks and Systems, 192 LNNS, 285-291, 11-May-21
173. Agrawal R., Goyal V., Analysis of MTCMOS Cache Memory Architecture for Processor, Lecture Notes in Networks and Systems, 192 LNNS, 81-91, 11-May-21
174. Singhal S., Sharma A., Mutative BFO-Based Scheduling Algorithm for Cloud Environment, Lecture Notes in Networks and Systems, 192 LNNS, 589-599, 11-May-21

175. Ramesh K.K.D., Kiran Kumar G., Swapna K., Datta D., Suman Rajest S., A review of medical image segmentation algorithms, EAI Endorsed Transactions on Pervasive Health and Technology, 7, 27, 12-Apr-21
176. Longjam T., Kisku D.R., Gupta P., Improving Reliability of Manipuri Offline Signature Verification Using Writer Independent Paradigms, Proceedings of SPIE - The International Society for Optical Engineering, 11878, 30-Jun-21
177. Kumar Y., Saxena A., Goyal M., Integration of hybrid cascaded multilevel inverter configuration in a PV based applications with multicarrier PWM technology, Proceedings of the 2021 1st International Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies, ICAECT 2021, 06-Apr-21
178. Bai S., Amirruddin A.K., Pandey A.K., Samykano M., Ahmad M.S., Sharma K., Tyagi V.V., Advancements in the development of various types of dye-sensitized solar cells: A comparative review, Energy Engineering: Journal of the Association of Energy Engineering, 118, 4, 737-759, 31-May-21
179. Agnihotri D., Kulshreshtha K., Tripathi V., Emergence of social media as new normal during COVID-19 pandemic: a study on innovative complaint handling procedures in the context of banking industry, International Journal of Innovation Science, 17-Jun-21
180. Bhatia J.K., Jalal A.S., Pixel-based hybrid copy move image forgery detection using Zernike moments and auto colour correlogram, International Journal of Information and Computer Security, 15, 1, 88-107, 25-May-21
181. Singh R., Rizvi S.A., Saxena K.K., Godara S.S., Microstructure characterisation and mechanical behaviour of AA 6063 T-6 welded joint by friction stir welding, Advances in Materials and Processing Technologies, 15-Jun-21
182. Misra R.K., Porwal R., Saxena K.K., Godara S.S., Effect of post weld heat treatment on mechanical properties of MIG welded mild steel, Advances in Materials and Processing Technologies, 14-Jun-21
183. Sahai N., Saxena K.K., Gupta N., Garg S., Bora U., Baishya U.J., Borah V., Designing & simulation of a lightweight hip implant stem: an FEM based approach, Advances in Materials and Processing Technologies, 08-Jun-21
184. Mishra A.K., Sharma U.K., Wormhole models in r^2 -gravity for $f(R, t)$ theory with a hybrid shape function, Canadian Journal of Physics, 99, 6, 481-489, 05-Mar-21
185. Agarwal S., Agrawal V., Srivastava A.P., Investigating key dimensions for the development of women-owned enterprises: interpretive structural modeling and MICMAC approach, Journal of Modelling in Management, 16, 4, 1230-1251, 03-Jun-21
186. Singhal T.S., Jain J.K., Kumar M., Saxena K.K., Effect of filler wire preheating and nozzle cooling with advanced submerged arc welding process on bead geometry and microstructure, Advances in Materials and Processing Technologies, 07-Jun-21
187. Agrawal V., Dixit J.K., Agarwal S., FTOPSIS approach for material supplier selection: A study Materials Today: Proceedings, 45, 5334-5337, 27-Feb-21
188. Gupta A., Chandrasekhar B., Saxena K.K., Effect of Equal-channel angular pressing on mechanical Properties: An overview, Materials Today: Proceedings, 45, 5602-5607, 06-Mar-21
189. Saxena K.K., Kumar K.B., Gupta A., Effect of processing parameters on equal-channel angular pressing of aluminum alloys: An overview, Materials Today: Proceedings, 45, 5551-5559, 04-Mar-21
190. Chaudhary V., Bharti A., Azam S.M., Kumar N., Saxena K.K., A re-investigation: Effect of TIG welding parameters on microstructure, mechanical, corrosion properties of welded joints, Materials Today: Proceedings, 45, 4575-4580, 16-Feb-21
191. Ankur, Bharti A., Prasad D., Kumar N., Saxena K.K., A Re-investigation: Effect of various parameter on mechanical properties of copper matrix composite fabricated by powder metallurgy, Materials Today: Proceedings, 45, 4595-4600, 18-Feb-21

192. Gajalappa Y., Krishnaiah A., Kumar K.B., Eswaranna, Saxena K.K., Goyal P., Flow behaviour kinetics of Inconel 600 superalloy under hot deformation using gleeble 3800, Materials Today: Proceedings, 45, 5320-5322, 06-Mar-21
193. Yadav R., Sharma A., Structural dynamics of peptide nanotube and their conformational implication investigation by molecular modeling, molecular mechanics and molecular dynamics, Materials Today: Proceedings, 45, 2934-2937, 23-Feb-21
194. Singhal S., Mangal D., Mutative ABC Based Load Balancing in Cloud Environment, Communications in Computer and Information Science, 1395 CCIS, 546-555, 31-Mar-21
195. Rathor S., Ensemble Based Plant Species Recognition System Using Fusion of Hog and Kaze Approach, Communications in Computer and Information Science, 1395 CCIS, 536-545, 31-Mar-21
196. Agrawal M.K., Singh R.P., Effect of external magnetic field on impact strength and hardness of weld of shielded metal arc welding process, Materials Today: Proceedings, 45, 3638-3641, Feb-21
197. Parihar H.S., Verma M., Low compressive potency DS-dune sand utilizing PW-plastic waste for the construction of roads, Materials Today: Proceedings, 45, 3005-3009, Feb-21
198. Singh R.P., Agrawal M.K., Effect of welding current on the dimensions of bead in tungsten inert gas welding process, Materials Today: Proceedings, 45, 3235-3239, Jan-21
199. Sharma V.K., Chaturvedi R., Yadav R., An analytical study of numerous properties of round solid plastic materials using modules of rigidity, Materials Today: Proceedings, 45, 3521-3525, 01-Mar-21
200. Sharma V.K., Sharma A., Yadav R., A novel method of scrutinize fastened mathematical joints in layered compounds, Materials Today: Proceedings, 45, 2737-2743, Feb-21
201. Singh P.K., Singh P.K., Sharma K., Manufacturing and categorization of AL/TIB2 metal matrix compound by means of stir casting method, Materials Today: Proceedings, 45, 3568-3573, Mar-21
202. Sharma A., Singh P.K., Sharma V.K., Investigation and examination of CATIA V5 utilization in composite materials, Materials Today: Proceedings, 45, 3061-3067, Feb-21
203. Saxena A., Chaturvedi R., Kumar J., Performance of Two-Link Robotic Manipulator Estimated Through the Implementation of Self-Tuned Fuzzy PID Controller, Lecture Notes in Electrical Engineering, 733 LNEE, 721-732, 26-Mar-21
204. Kumar A., A Descriptive Analysis of Data Preservation Concern and Objections in IoT-Enabled E-Health Applications, Lecture Notes in Networks and Systems, 173 LNNS, 537-550, 28-Mar-21
205. Kumar V., Sharma D.K., Mishra V.K., Optimization and Performance Measurement Model for Massive Data Streams, Communications in Computer and Information Science, 1395 CCIS, 350-359, 31-Mar-21
206. Sharma V.K., Kukreja N., Mausam K., Application of pulse plating technique to improve hardness, Materials Today: Proceedings, 45, 3449-3451, Mar-21
207. Yelamasetti B., Kumar D., Saxena K.K., G R., Experimental investigation on temperature profiles and residual stresses in GTAW dissimilar weldments of AA5052 and AA7075, Advances in Materials and Processing Technologies, 28-May-21
208. Singh B., Sharma D.K., "Predicting image credibility in fake news over social media using multi-modal approach," Neural Computing and Applications, 24-May-21
209. Singh A., Singh R.P., Effect of Welding Speed on the Dimensions of Bead in Tungsten Inert Gas Welding Process, Lecture Notes in Mechanical Engineering, 451-460, 17-Apr-21
210. Pratap Singh R., Mishra A., Chauhan A., Verma A.K., A Review of Effect of Welding Parameters on the Structure and Properties of the Weld in Shielded Metal Arc Welding Process, Lecture Notes in Mechanical Engineering, 229-237, 17-Apr-21
211. Pal A., Singh R.P., Influence of Process Parameters on Weld Width of Tungsten Inert Gas Welded Joints for Low Carbon Steel AISI 1010 Plates, Lecture Notes in Mechanical Engineering, 441-450, 17-Apr-21
212. Pratap Singh R., Chauhan A., Verma A.K., Mishra A., Effect of Feed Rate on Bead Dimensions in TIG Welding, Lecture Notes in Mechanical Engineering, 219-227, 17-Apr-21

213. Bandil D., Agrawal V., Analyzing the Cause-Effect Relationship Among Factors of Social Media Advertising (A Study on Kids'™ Behavior), Lecture Notes in Mechanical Engineering, 819-827, 13-Apr-21
214. Gupta N.K., Thermal Performance Optimization of Heat Pipe Using Taguchi Method, Lecture Notes in Mechanical Engineering, 499-508, 22-Apr-21
215. Kumar S., Sharma V., Current Scenario in Optimization of Machining Parameters While Electric Discharge Machining for Biocompatible Ti-Alloy: A Review, Lecture Notes in Mechanical Engineering, 473-480, 17-Apr-21
216. Singh K.R., Kalamdhadb A.S., Kumar B., Source apportionment for spatial variation of surface water quality using chemometric techniques, Environmental Forensics, 13-May-21
217. Chilakala M., Samyal R., Garg S., Saxena K.K., Gupta N., Numerical Simulation of Cracks in Automotive Coatings Under Mechanical and Thermal Loading Using Element Free Galerkin Method, Advances in Materials and Processing Technologies, 24-May-21
218. Naik H R M., L H M., Malik V., Patel GC M., Saxena K.K., Lakshmikanthan A., Effect of microstructure, mechanical and wear on Al-CNTs/graphene hybrid MMC'™S, Advances in Materials and Processing Technologies, 24-May-21
219. Sharma A., Saraswat A.K., Two inventory models for instant and delayed deteriorating items with price and time dependent seasonal demand, International Journal of Procurement Management, 14, 3, 342-359, 04-Mar-21
220. Ram A., Kulshrestha J., Gupta V., Secure Routing-Based AODV to Prevent Network from Black Hole Attack in MANET, Lecture Notes in Networks and Systems, 177 LNNS, 633-642, 21-Apr-21
221. Tripathi R.K., Agrawal S.C., Retrieval of Trademark Images by Using Local Shape and SURF Feature Fusion, Lecture Notes in Networks and Systems, 177 LNNS, 525-534, 21-Apr-21
222. Dhar K., Khandelwal U., Impact of Goods and Services Tax on Supply Chain Management, Business Perspectives and Research, 14-May-21
223. Kumar A., Singh S., Mohammed M.K.A., Esmail Shalan A., Computational Modelling of Two Terminal CIGS/Perovskite Tandem Solar Cells with Power Conversion Efficiency of 23.1 %, European Journal of Inorganic Chemistry, 25-Apr-21
224. Sharma G., Kulshreshtha K., Bajpai N., Getting over the issue of theoretical stagnation: an exploration and metamorphosis of grounded theory approach, Quality and Quantity, [10-May-21](#)
225. Kalra D., Goyal V., Srivastava M., Design and performance analysis of low power LNA with variable gain current reuse technique, Analog Integrated Circuits and Signal Processing, [08-May-21](#)
226. Mittal P., Bhatnagar C., AMD-network: Automatic macular diagnoses of disease in OCT scan images through neural network, CEUR Workshop Proceedings, 2823, 67-71, 25-Feb-21
227. Dhawan A., Gupta N., Goyal R., Saxena K.K., Evaluation of mechanical properties of concrete manufactured with fly ash, bagasse ash and banana fibre, Materials Today: Proceedings, 44, 17-22, 22-Jul-20
228. Nira, Shukla A., Terahertz Communication: Merits, Demerits, and Future Challenges Regarding 6G Wireless Networks, Lecture Notes in Electrical Engineering, 744 LNEE, 163-174, 03-Apr-21
229. Yadav A., Deolia V.K., Agrawal S., Dual current loop control for a third-order passive damped filter based Quasi-Z-source inverter, ECTI Transactions on Electrical Engineering, Electronics, and Communications, 19, 1, 12-22, 28-Dec-20
230. Kumar J., Soota T., Rajput S.K., Saxena K.K., Machining and optimization of Zircaloy-2 using different tool electrodes, Materials and Manufacturing Processes, 36, 13, 1513-1523, 14-Apr-21
231. Ghosh S.K., Trankatwar S.R., Bachan P., Optimal voting rule and minimization of total error rate in cooperative spectrum sensing for cognitive radio networks, Journal of Telecommunications and Information Technology, 2021, 1, 43-50, Jan-21
232. Agrawal A., Analysis of efficiency of fractional order technique in a controller for a complex nonlinear control process, Lecture Notes in Networks and Systems, 150 LNNS, 1, 11, 23-Dec-20

233. Sau P.C., Gupta M., Kumar D., A comparative study: Glaucoma detection using deep neural networks, Lecture Notes in Networks and Systems, 150 LNNS, 85-97, 23-Dec-20
234. Khan M.I., Haleem A., Khan S., Examining the link between Halal supply chain management and sustainability, International Journal of Productivity and Performance Management, 06-Apr-21
235. Yadav A.K., Deolia V.K., Agrawal S., Exploring the resonant characteristic of third order passive filter based Quasi-Z-source inverter, International Journal of Electronics, 06-Apr-21
236. Yadav R., Dwivedi S.P., Dwivedi V.K., Synthesis and mechanical behavior of ball-milled agro-waste rha and eggshell reinforced composite material, Materials Performance and Characterization, 10, 1, 02-Apr-21
237. Yadav A.K., Goswami G.K., Pradhan A., Srivastava S.K., Dark energy-dominated Universe in Lyra geometry, Indian Journal of Physics, [03-Apr-21](#)
238. Dogra P., Kaushal A., Sharma R.R., Antecedents of the Youngsterâ€™s Awareness About Financial Literacy: A Structure Equation Modelling Approach, Vision, 04-Apr-21
239. Bajaj M., Sharma N.K., Pushkarna M., Malik H., Alotaibi M.A., Almutairi A., Erratum: Optimal design of passive power filter using multi-objective pareto-based firefly algorithm and analysis under background and load-side's nonlinearity (IEEE Access (2021) 9 (22724-22744) DOI: 10.1109/ACCESS.2021.3055774), IEEE Access, 9, 45399, 01-Feb-21
240. Gupta S., Singh M., Generalized monotone mapping and resolvent equation technique with an application, Journal of Mathematical and Computational Science, 11, 2, 1767-1783, 04-Mar-21
241. Awasthi A., Saxena K.K., Arun V., Sustainable and smart metal forming manufacturing process, Materials Today: Proceedings, 44, 2069-2079, 18-Feb-21
242. Agrawal S.C., Jalal A.S., Dense Haze Removal by Nonlinear Transformation, IEEE Transactions on Circuits and Systems for Video Technology, 24-Mar-21
243. Agarwal S., Ramadani V., Dana L.-P., Agrawal V., Dixit J.K., Assessment of the significance of factors affecting the growth of women entrepreneurs: study based on experience categorization, Journal of Entrepreneurship in Emerging Economies, 25-Mar-21
244. Naz Z., Asim M., Sarim M., Impact of employee emotions on merger outcomes: Mediating role of middle managers, Journal of Public Affairs, 22-Mar-21
245. Dixit A., Garg P., Pradhan A., Particle creation in flrw higher dimensional universe with gravitational and cosmological constants, Canadian Journal of Physics, 99, 8, 670-680, 05-Mar-21
246. Dubey V.C., Sharma U.K., Mamon A.A., Interacting RÃ©nyi Holographic Dark Energy in the Brans-Dicke Theory, Advances in High Energy Physics, 2021, 02-Mar-21
247. Sharma D., Kumar P., Singh R.K. "Modeling Interrelationships of Sustainable Manufacturing Barriers by Using Interpretive Structural Modeling, Lecture Notes in Mechanical Engineering, 211-218, 18-Feb-21
248. Agarwal S., Agrawal V., Dixit J.K., Agrawal A.M., Analyzing the Cause-Effect Relationship Among Demingâ€™s Quality Principles to Improve TQM Using DEMATEL, Lecture Notes in Mechanical Engineering, 95, 103, 18-Feb-21
249. Singh R.P., Verma A.K., Mishra A., Chauhan A., Influence of Process Parameters on Reinforcement Height of Tungsten Inert Gas Welded Joints for Low Carbon Steel AISI 1010 Plates, Lecture Notes in Mechanical Engineering, 779-787, 18-Feb-21
250. Singh R.P., Pal A., Raghuvanshi D., Effect of Process Parameters on Spark Energy and Material Removal Rate in Electro-Discharge Machining Process, Lecture Notes in Mechanical Engineering, 789-800, 18-Feb-21
251. Singh R.P., Singh A., Dubey S., Kumar S., Modeling and Control of Arc Welding Processes Using Artificial Neural Networks, Lecture Notes in Mechanical Engineering, 769-777, 18-Feb-21
252. Agarwal R., Jalal A.S., Agrawal S.C., Arya K.V., Fake and Live Fingerprint Detection Using Local Diagonal Extrema Pattern and Local Phase Quantization, Lecture Notes in Networks and Systems, 175, 73-81, 09-Feb-21
253. Sharma P.S., Kumar S., Gaur M.S., Jain V., A novel intelligent round robin CPU scheduling algorithm, International Journal of Information Technology (Singapore), [09-Mar-21](#)

254. Deshmukh R., Harwansh R.K., Preformulation considerations development and evaluation of mesalamine loaded polysaccharide-based complex mucoadhesive beads for colon targeting, *Indian Journal of Pharmaceutical Education and Research*, 55, 1, 95-106, Feb-21
255. Singh N.K., Garabadu D., Alpha7 nicotinic acetylcholine receptor down regulation impairs mitochondrial function in streptozotocin-induced sporadic alzheimer's disease model in rats, *Indian Journal of Pharmaceutical Education and Research*, 55, 1, 153-163, Feb-21
256. Sharma A., Sharma A., Jalal A.S., Kant K., A two-step clustering method for facility location problem, *International Journal of Advanced Intelligence Paradigms*, 18, 3, 337-355, 01-Mar-21
257. Singh A.K., Raj M. Automated Intelligent IoT-Based Traffic Lights in Transport Management System, *Lecture Notes on Data Engineering and Communications Technologies*, 57, 261-266, 13-Feb-21
258. Bharadwaj G., Saini S., Anmol, Chauhan A., Kumar P., Automated Surveillance Security System Using Facial Recognition for Homes and Offices, *Lecture Notes on Data Engineering and Communications Technologies*, 57, 143-149, 13-Feb-21
259. Sachdeva A., Tomar V.K., Design of 10T SRAM cell with improved read performance and expanded write margin, *IET Circuits, Devices and Systems*, 15, 1, 42-64, 15-Dec-20
260. Samadhiya R.K., Singh D., Shukla M.K., Sharma K., Singh R.P., Performance Analysis of Hybrid PCM by Doping Graphene, *Lecture Notes in Mechanical Engineering*, 467-477, 29-Dec-20
261. Sharma R., Sharma K., Singh D., Mausam K., Singh R.P., Investigation of Optimum Process Parameter on CNC Turning for Aluminium Alloy AA6262 Using Grey Relational Analysis, *Lecture Notes in Mechanical Engineering*, 611-619, 29-Dec-20
262. Gupta M., Sharma K., Mausam K., Investigational Assessment of Heat Transfer and Pressure Drop in a Circular Tube, *Lecture Notes in Mechanical Engineering*, 283-290, 29-Dec-20
263. Muneeb S.M., Nomani M., Asim Z., Adhami A., Assessing and optimizing decision-making policies of India with public employment growth as a key indicator toward sustainable development goals using multicriteria , thematical modelling, *Journal of Public Affairs*, 16-Feb-21
264. Ansari A., Ansari V.A., Do investors herd in emerging economies? Evidence from the Indian equity market, *Managerial Finance*, 47, 7, 951-974, 29-Jun-21
265. Vashistha V.K., Kumar A., Kundi V.K., Das D.K., Synthesis and Electrochemical Studies of Novel, Isothiocyanato Macrocyclic Mn(III) Complexes: Experimental and Theoretical Studies, *Russian Journal of Inorganic Chemistry*, 66, 1, 61-67, [13-Feb-21](#)
266. Kumar M., Mishra C.K., On conformal kropina transformation of m-th root metrics, *Journal of the Indian Mathematical Society*, 88, 02-Jan, 97, 104, Jan-21
267. Srivastava S., Garg D., Agarwal A., A Step Towards Responsive Healthcare Supply Chain Management: An Overview, *Lecture Notes in Mechanical Engineering*, 431-443, 14-Jan-21
268. Bharadwaj G., Pathak P., Visual attendance recording system for classroom using facial features, *Lecture Notes on Data Engineering and Communications Technologies*, 59, 583-589, 03-Feb-21
269. Bachan P., Ghosh S.K., Trankatwar S.R., Parametric optimization of improved sensing scheme in multi-antenna cognitive radio network over erroneous channel, *Lecture Notes on Data Engineering and Communications Technologies*, 54, 533-541, 05-Jan-21
270. Dogra P., Kaushal A., An Investigation of Indian Generation Z Adoption of the Voice-Based Assistants (VBA), *Journal of Promotion Management*, 27, 5, 673-696, 17-Feb-21
271. Rajpoot V., Patel A., Manepalli P.K., Saxena A., Deep Learning and Edge Computing Solution for High-Performance Computing, *EAI/Springer Innovations in Communication and Computing*, 1, 18, 28-Jan-21
272. Chandra S., Yadav A., Khan M.A.R., Pushkarna M., Bajaj M., Sharma N.K., Influence of Artificial and Natural Cooling on Performance Parameters of a Solar PV System: A Case Study, *IEEE Access*, 9, 29449-29457, 11-Feb-21

273. Bajaj M., Sharma N.K., Pushkarna M., Malik H., Alotaibi M.A., Almutairi A., Optimal Design of Passive, Power Filter Using Multi-Objective Pareto-Based Firefly Algorithm and Analysis under Background and Load-Side's Nonlinearity, *IEEE Access*, 9, 22724-22744, 01-Feb-21
274. Bhargava A., Bansal A., Classification and Grading of Multiple Varieties of Apple Fruit, *Food Analytical Methods*, 06-Feb-21
275. Agarwal K.M., Tyagi R.K., Saxena V., Choubey K.K., Mechanical behaviour of Aluminium Alloy AA6063 processed through ECAP with optimum die design parameters, *Advances in Materials and Processing Technologies*, 02-Feb-21
276. Singh K.V., To measure the role of mother's acquaintance concerning their kid's health, *International Journal of Current Research and Review*, 13, 2, 51-54, Jan-21
277. Zadafiya K., Dinbandhu, Kumari S., Chattarjee S., Abhishek K., Recent trends in non-traditional machining of shape memory alloys (SMAs): A review, *CIRP Journal of Manufacturing Science and Technology*, 32, 217-227, 18-Jan-21
278. Agarwal R., Jalal A.S., Presentation attack detection system for fake Iris: a review, *Multimedia Tools and Applications*, [01-Feb-21](#)
279. Gupta S., Singh M., Variational-like inclusion involving infinite family of set-valued mappings governed by resolvent equations, *Journal of Mathematical and Computational Science*, 11, 1, 874-892, 06-Jan-21
280. Kumar S., Singh M.K., Singh V., Jain R.K., Characteristics of the grey particles emission at relativistic energy, *European Physical Journal Plus*, 136, 1, Jan-21
281. Garg R., Garg A., A review on applications of vitamin b12 as therapeutic carrier in drug delivery, *Critical Reviews in Therapeutic Drug Carrier Systems*, 38, 1, 79-105, Nov-20
282. Tripathi D.R., Vachhani K.H., Bandhu D., Kumari S., Kumar V.R., Abhishek K., Experimental investigation and optimization of abrasive waterjet machining parameters for GFRP composites using metaphor-less algorithms, *Materials and Manufacturing Processes*, 36, 7, 803-813, 12-Jan-21
283. Khan S., Haleem A., Investigation of circular economy practices in the context of emerging economies: a CoCoSo approach, *International Journal of Sustainable Engineering*, 14, 3, 357-367, 11-Jan-21
284. Agrawal N., Synthetic and therapeutic potential of 4-thiazolidinone and its analogs, *Current Chemistry Letters*, 10, 1, 119-138, Jan-21
285. Agrawal S.C., Jalal A.S., Distortion-free image dehazing by superpixels and ensemble neural network, *Visual Computer*, [04-Jan-21](#)
286. Ahmed N., Pradhan A., Probing cosmic acceleration in $\hat{\rho}(R, T)$ gravity, *Indian Journal of Physics*, [04-Jan-21](#)
287. Agarwal D., Garima, Bansal A., A Utility of Ridge Contour Points in Minutiae-Based Fingerprint Matching, *Lecture Notes on Data Engineering and Communications Technologies*, 56, 273-286, 21-Dec-20
288. Bandhu D., Kumari S., Prajapati V., Saxena K.K., Abhishek K., Experimental investigation and optimization of RMDTM welding parameters for ASTM A387 grade 11 steel, *Materials and Manufacturing Processes*, 36, 13, 1524-1534, 23-Dec-20
289. Kumar D., Stabilization of Boost Converter Connected to Photovoltaic Source Using PID Controller, *Lecture Notes in Electrical Engineering*, 707, 131-140, 04-Dec-20
290. Yadav A., Chandra S., Cascaded H-Bridge Based Multilevel Inverter for Power Quality Issues, *Lecture Notes in Electrical Engineering*, 707, 101-110, 04-Dec-20
291. Kumar A., Controlling Mode Transition Noise Occurred at Ground Rail in Data Preserving MTCMOS Shift Register, *Lecture Notes in Electrical Engineering*, 707, 281-290, 04-Dec-20
292. Yadav K., Maurya S.K., Modelling and Control of Power Flow from Auxiliary Source in Hybrid Electric Vehicle, *Lecture Notes in Electrical Engineering*, 707, 217-227, 04-Dec-20
293. Sharma H.K., Kumar S., Paswan M.K., Performance and Analysis of Phase Change Material by Using Hybrid Nanofluid (Zinc Cobalt Iron Oxide) on Thermal Energy Storage Device, *Lecture Notes in Mechanical Engineering*, 107, 114, 26-Nov-20

294. Chandra S., Temperature-Dependent Economical and Technical Aspect of Solar Photo Voltaic Power Plant, Lecture Notes in Electrical Engineering, 710, 261-268, 27-Nov-20
295. Kumar A., Singh S., A Novel MTCMOS Stacking Approach to Reduce Mode Transition Energy and Leakage, Current in CMOS Full Adder Circuit, Lecture Notes in Electrical Engineering, 710, 355-366, 27-Nov-20
296. Gupta G.K., Goyal M., Modified Particle Swarm Optimization Technique for Dynamic Economic Dispatch Including Valve Point Effect, Lecture Notes in Electrical Engineering, 710, 311-324, 27-Nov-20
297. Shukla A., Gupta A.K., Damping Enhancement of DFIG Integrated Power System by Coordinated Controllers Tuning Using Marine Predators Algorithm, Lecture Notes in Electrical Engineering, 710, 165-176, 27-Nov-20
298. Srivastava S., Sharma U.K., Barrow holographic dark energy with hubble horizon as IR cutoff, International Journal of Geometric Methods in Modern Physics, 18, 1, 26-Nov-20
299. Ghosh S.G., Singh D.V., Kumar R., Maharaj S.D., Phase transition of AdS black holes in 4D EGB gravity coupled to nonlinear electrodynamics, Annals of Physics, 424, 23-Nov-20
300. Khan A., Jalal A.S., A visual saliency-based approach for content-based image retrieval, International Journal of Cognitive Informatics and Natural Intelligence, 15, 1, 1, 15, Jan-21
301. Godani N., Samanta G.C., Wormhole solutions with scalar field and electric charge in modified gravity, Physica Scripta, 96, 1, 20-Nov-20
302. Sharma H., Agarwal R., Updated Frequency-Based Bat Algorithm (UFBBA) for Feature Selection and Vote Classifier in Predicting Heart Disease, Advances in Intelligent Systems and Computing, 1158, 449-460, 28-Oct-20
303. Singh D., Shukla A., Performance Analysis of Channel Capacity of MIMO System Without CSI, Smart, Innovation, Systems and Technologies, 195, 529-535, 22-Oct-20
304. Goyal V., Shukla A., A New Optimized GA-RBF Neural Network Algorithm for Oil Spill Detection in SAR Images, Advances in Intelligent Systems and Computing, 1158, 987-999, 28-Oct-20
305. Shukla A., Goyal V., Deep Learning-Based Severe Dengue Prognosis Using Human Genome Data with Novel Feature Selection Method, Advances in Intelligent Systems and Computing, 1158, 473-482, 28-Oct-20
306. Agarwal R., Sharma H., A New Enhanced Recurrent Extreme Learning Machine Based on Feature Fusion with CNN Deep Features for Breast Cancer Detection, Advances in Intelligent Systems and Computing, 1158, 461-471, 28-Oct-20
307. Nira, Shukla A., Optimal Multiple Access Scheme for 5G and Beyond Communication Network, Smart Innovation, Systems and Technologies, 195, 45-54, 22-Oct-20
308. Dubey V.C., Sharma U.K., Pradhan A., Sharma-Mittal holographic dark energy model in conharmonically flat space-time, International Journal of Geometric Methods in Modern Physics, 18, 1, 16-Nov-20
309. Ghosh S., Dutta S., Sarkar A., Kundu M., Sil P.C., Targeted delivery of curcumin in breast cancer cells via hyaluronic acid modified mesoporous silica nanoparticle to enhance anticancer efficiency, Colloids and Surfaces B: Biointerfaces, 197, 25-Oct-20
310. Tiwari R.S., HVDC Transmission Topology and Control Analysis, Lecture Notes in Electrical Engineering, 699, 171-180, 16-Oct-20
311. Srivastava M., An Overview of Implementation Issues of Smart Grid, Lecture Notes in Electrical Engineering, 699, 77-83, 16-Oct-20
312. Tiwari R.S., Gupta O.H., Sood V.K., Ground Fault Detection Using Pole Differential Current Measurement for 2-Terminal Bipolar HVDC Lines, Lecture Notes in Electrical Engineering, 699, 1, 14, 16-Oct-20
313. Chhabra S., Shah K., The novel scaffold 1,2,4-benzothiadiazine-1,1-dioxide: a review, Medicinal Chemistry Research, 30, 1, 15-30, [14-Oct-20](#)

314. Prakash S., Sharma B.K., Prakash C., Saini S., Vikas, Sharma A., Investigation of the criticality of flux leakage of a magnetizer assembly of a mfl tool for oil and gas pipelines inspection, Lecture Notes in Mechanical Engineering, 323-333, 21-Sep-20
315. Sharma A., Mishra A., Bansal A., Bone fractured detection using machine learning and digital geometry, Lecture Notes in Networks and Systems, 140, 369-376, 29-Sep-20
316. Rajak B., Tripathi A., Kushwaha D.S., A Real-Time Road Congestion-Based Hybrid Approach for Finding the Optimized Route, Lecture Notes in Electrical Engineering, 673, 83-97, 20-Sep-20
317. Yadav A., Jain V., Kumar A., Performance analysis of machine learning algorithms in credit card fraud detection, Lecture Notes in Networks and Systems, 145, 319-325, 15-Sep-20
318. Srivastava S., Rai A., Varshney M., A tool to detect plagiarism in java source code, Lecture Notes in Networks and Systems, 145, 243-253, 25-Sep-20
319. Yadav D., Dewangan H.K., PEGYLATION: an important approach for novel drug delivery system, Journal of Biomaterials Science, Polymer Edition, 32, 2, 266-280, 27-Sep-20
320. Gupta A.K., Shukla A., Verma K., Niazi K.R., Impact analysis and robust coordinated control of low frequency oscillations in wind integrated power system, Power Systems, 273-292, 22-Sep-20
321. Sengupta D., Biswas A., Gupta P., Non-linear weight adjustment in adaptive gamma correction for image contrast enhancement, Multimedia Tools and Applications, 80, 3, 3835-3862, 08-Nov-20
322. Gupta A., Dii P., Bhatt R.M., An optimized approach for virtual machine live migration in cloud computing environment, Lecture Notes on Data Engineering and Communications Technologies, 53, 559-568, 01-Aug-20
323. Agarwal D., Bansal A., Assessment of Latent Fingerprint Image Quality Based on Level 1, Level 2, and Texture Features, Advances in Intelligent Systems and Computing, 1165, 489-501, 02-Aug-20
324. Shekhar S., Mohan N., Sentiment classification using hybrid bayes theorem support vector machine over social network, Advances in Intelligent Systems and Computing, 1168, 111-121, 02-Aug-20
325. Sharma A., Kumar M., Feature selection and classification based on swarm intelligence approach to detect malware in android platform, Advances in Intelligent Systems and Computing, 1168, 101-110, 02-Aug-20
326. Kumar R., Shekhar S., Trust-based fuzzy bat optimization algorithm for attack detection in manet, Advances in Intelligent Systems and Computing, 1168, 3, 12, 02-Aug-20
327. Mohan N., Varshney N., Facial expression recognition using improved local binary pattern and min-max similarity with nearest neighbor algorithm, Advances in Intelligent Systems and Computing, 1168, 309-319, 02-Aug-20
328. Shekhar S., Varshney N., Hybridization of social spider optimization (sso) algorithm with differential evolution (de) using super-resolution reconstruction of video images, Advances in Intelligent Systems and Computing,, 1168, 287-296, 02-Aug-20
329. Kumar R., Chaturvedi A., Improved cuckoo search with artificial bee colony for efficient load balancing in cloud computing environment, Advances in Intelligent Systems and Computing, 1168, 123-131, 02-Aug-20
330. Agarwal A., Pradhan R., Bees classifier using soft computing approaches, Advances in Intelligent Systems and Computing, 1166, 737-748, 31-Jul-20
331. Mittal D., Normal and Abnormal Spillage Suppression Methodologies for the SRAM Sense Amplifiers, Proceedings of IEEE International Conference on Advent Trends in Multidisciplinary Research and Innovation, ICATI 2020, 12-Apr-21
332. Mishra P., Jimmy L., Ogunmola G.A., Phu T.V., Jayanthiladevi A., Latchoumi T.P. Hydroponics Cultivation Using Real Time Iot Measurement System, Journal of Physics: Conference Series, 1712, 1, 24-Dec-20
333. Sharma A., Dwivedi V.K., Effect of Spindle Speed, Feed Rate and Cooling Medium on the Burr Structure of Aluminium through Milling, IOP Conference Series: Materials Science and Engineering, 998, 1, 23-Dec-20

334. Nizam A.R., Gupta N.K., Alam P., Experimental Investigation of Thermal Performance of Mesh Wick Heat Pipe Using Nanofluid, IOP Conference Series: Materials Science and Engineering, 998, 1, 23-Dec-20
335. Alam P., Dwivedi V.K., Islam A., Sharma R., Design and Development of an Indigenous Drum Dryer for Preheating of Plastic Scrap, IOP Conference Series: Materials Science and Engineering, 998, 1, 23-Dec-20
336. Mohanmanchiraju V.N., Dwivedi V.K., Prediction of solid rocket motor performance characteristics using computational fluid dynamics and validation with experimental data, IOP Conference Series: Materials Science and Engineering, 998, 1, 23-Dec-20
337. Dixit K.K., Yadav I., Maurya S.K., Performance based panel sizing and area requirement of solar PV panel at different locations using PSIM, Proceedings - 2020 IEEE International Symposium on Sustainable Energy, Signal Processing and Cyber Security, iSSSC 2020, 16-Dec-20
338. Kumar A., Estimation of Crystallite Size, Lattice strain and Micro Residual Stresses by FWHM method and impact of Feed rates on Residual stresses, IOP Conference Series: Materials Science and Engineering, 988, 1, 15-Dec-20
339. Sharma V.K., Singhal P., Extraction of Bioactive Nano Particles from Seaweed for Heavy Metals Removal and Antibacterial Agent, IOP Conference Series: Materials Science and Engineering, 988, 1, 15-Dec-20
340. Singhal P., Agrawal M., Rising the liberated Compressive Strength in Cement for Black Cotton Soil using Shredder Rubber, IOP Conference Series: Materials Science and Engineering, 988, 1, 15-Dec-20
341. Singh P.K., Goyal M., Green Synthesis Using Klebsiella pneumoniae as well as its Execution onto Textiles for Microbe Resistance, IOP Conference Series: Materials Science and Engineering, 988, 1, 15-Dec-20
342. Agrawal M.K., Sharma V.K., Studies on Development and Characterization of Biomaterials for Drug Delivery IOP Conference Series: Materials Science and Engineering, 988, 1, 15-Dec-20
343. Sharma V.K., Agrawal M.K., Hepatotoxicity study of nanotitania on Mice and Zebra fish: A comparison, IOP Conference Series: Materials Science and Engineering, 988, 1, 15-Dec-20
344. Kumar S., Singh A., Singh R., Singh S., Kumar P., Kumar R., Facile h-MoO₃ synthesis for NH₃ gas sensing application at moderate operating temperature, Sensors and Actuators, B: Chemical, 325, 15-Dec-20
345. Kumar V., Sharma D.K., Mishra V.K., Visualizing big data with mixed reality, Proceedings of the 2020 9th International Conference on System Modeling and Advancement in Research Trends, SMART 2020, 85, 90, 04-Feb-21
346. Garg S., Sharma D.K., Phony news detection using machine learning and deep-learning techniques, Proceedings of the 2020 9th International Conference on System Modeling and Advancement in Research Trends, SMART 2020, 27, 32, 04-Feb-21
347. Kumar Y., Pushkarna M., Gupta G., Microgrid implementation in unbalanced nature of feeder using conventional technique, Proceedings of the 3rd International Conference on Intelligent Sustainable Systems, ICISS 2020, 1489-1494, 18-Jan-21
348. Anjana G., Regulation of cytokines by Argemone mexicana L. In potentiating the immune response, Research Journal of Biotechnology, 15, 12, 156-162, Dec-20
349. Sharma R., Kaushik N.K., Synthesis, characterization and applications of organomercury(II) pyrrolidine-N-thiohydrazide complexes, Indian Journal of Chemistry - Section A Inorganic, Physical, Theoretical and Analytical Chemistry, 59A, 1778-1784, Dec-20
350. Rai P., Ghose M.K., Sarma H.K.D., Game Theory Based Energy Efficient Routing in Cognitive Radio Wireless Sensor Networks, Proceedings - 2020 6th IEEE International Symposium on Smart Electronic Systems, iSES 2020, 35-39, 02-May-21
351. Shukla A., Joint RSMA and IDMA-based NOMA system for downlink communication in 5G and beyond networks, Journal of Communications Software and Systems, 16, 4, 324-329, 30-Dec-20

352. [Sharma A.](#), Panicker A., Singh K., Delineations of post covid-19 pandemic: Repercussions on psychological well-being of workforce and organisational profit¹, Finance India, 34, 4, 1519-1538, 18-May-21
353. Kumar S.B.R., Bollapalli V.R., Saxena U., Mohanty P., Shora S., Cultural adaptation and translation of PEACH scale in Telugu language: Applicability in assessing auditory and communication skills of children with cochlear implant, Clinical Archives of Communication Disorders, 5, 3, 154-164, 31-Dec-20
354. [Dwivedi V.K.](#), Pathak P., [Sharma K.](#), Saraswat M., Effect of groove location on pressure profile of twin axial groove journal bearing, Journal of Scientific and Industrial Research, 79, 12, 1049-1052, Dec-20
355. [Gupta J.](#), Preliminary phytochemical investigation, antioxidant and antimicrobial activity of jasminum pubescence leaves extracts, Research Journal of Pharmacy and Technology, 13, 12, 6073-6076, Dec-20
356. Vashistha V.K., [Kumar A.](#), Synthesis of Co(II) and Ni(II) Asymmetric Tetraazamacrocyclic Complexes and Their Electrochemical and Antimicrobial Studies, Russian Journal of Inorganic Chemistry, 65, 14, 2028-2032, [30-Jan-21](#)
357. Dhar K., Khandelwal U., A BIBLIOMETRIC ANALYSIS OF RESEARCH ON GOODS AND SERVICE TAX (GST) FROM 2004 TO 2019, Academy of Accounting and Financial Studies Journal, 24, 1, 1, 10, Dec-20
358. Srivastava A., Prajapati A., Albumin and functionalized albumin nanoparticles: Production strategies, characterization, and target indications, Asian Biomedicine, 14, 6, 217-242, 01-Dec-20
359. Vashistha V.K., [Kumar A.](#), Development of a thin-layer chromatographic method for the enantioresolution of sotalol using levofloxacin as chiral selector, Journal of Planar Chromatography - Modern TLC, 33, 6, 663-667, [07-Jan-21](#)
360. Bahadur S., Pardhi D.M., Rautio J., Rosenholm J.M., Pathak K., Intranasal nanoemulsions for direct nose-to-brain delivery of actives for CNS disorders, Pharmaceutics, 12, 12, 1, 27, 18-Dec-20
361. Dixit A., [Pradhan A.](#), Stability, dark energy parameterization and swampland aspect of Bianchi type- v i h cosmological models with $f(R, T)$ –gravity, International Journal of Geometric Methods in Modern Physics, 17, 14, 11-Nov-20
362. Das B.P., Oraon A., Nath T.K., Adhikary T., Aich S., Pramanik P., Room temperature ferromagnetism in chemically synthesized dilute magnetic semiconducting $(\text{In}_{0.95}\text{Mn}_{0.05})_2\text{O}_3$ nanoparticles, Journal of Materials Science: Materials in Electronics, 31, 24, 22872-22880, [12-Nov-20](#)
363. Shanker J., Anand K., Sharma B.S., Vijay A., On the Applicability of Lindemann's Law for the Melting of Alkali Metals, International Journal of Thermophysics, 41, 12, Oct-20
364. [Pant G.](#), Alka, Garlapati D., Gaur A., Hossain K., Singh S.V., Gupta A.K., Air quality assessment among populous sites of major metropolitan cities in India during COVID-19 pandemic confinement, Environmental Science and Pollution Research, 27, 35, 44629-44636, Dec-20
365. Garg A., Tomar D.S., Bhalala K., Wahajuddin M., Development and investigation of Artemether , loaded binary solid lipid nanoparticles: Physicochemical characterization and in-situ single-pass intestinal permeability, Journal of Drug Delivery Science and Technology, 60, Dec-20
366. [Singh D.](#), Yadav D.K., Fatima F., Characterization and genetic diversity of Pantoea agglomerans isolates having dual potentiality to suppress growth of Ralstonia solanacearum and plant growth promoting ability, Indian Phytopathology, 73, 4, 643-653, Dec-20
367. Ghosh S.G., [Kumar A.](#), [Singh D.V.](#), Anti-de Sitter Hayward black holes in Einstein's "Gauss" Bonnet gravity, Physics of the Dark Universe, 30, Dec-20
368. Pal A., Kumar M., Distributed synthesized association mining for big transactional data, Sadhana - Academy Proceedings in Engineering Sciences, 45, 1, 01-Dec-20
369. Elizalde E., [Godani N.](#), Samanta G.C., Cosmological dynamics in R^2 gravity with logarithmic trace term, Physics of the Dark Universe, 30, Dec-20

370. Yadav D.K., Ganesan V., Gupta R., Yadav M., Sonkar P.K., Rastogi P.K., Copper oxide immobilized clay nano architectures as an efficient electrochemical sensing platform for hydrogen peroxide, *Journal of Chemical Sciences*, 132, 1, 01-Dec-20
371. Singh T., A chaotic sequence-guided Harris hawks optimizer for data clustering, *Neural Computing and Applications*, 32, 23, 17789-17803, Dec-20
372. Mahajan P., Tomar S., Kumar A., Yadav N., Arya A., Dwivedi V.D., A multi-target approach for discovery of antiviral compounds against dengue virus from green tea, *Network Modeling Analysis in Health Informatics and Bioinformatics*, 9, 1, 01-Dec-20
373. Dixit A., Zia R., Pradhan A., Anisotropic bulk viscous string cosmological models of the Universe under a time-dependent deceleration parameter, *Pramana - Journal of Physics*, 94, 1, 01-Dec-20
374. Singh K.R., Dutta R., Kalamdhad A.S., Kumar B., Review of existing heavy metal contamination indices and development of an entropy-based improved indexing approach, *Environment, Development and Sustainability*, 22, 8, 7847-7864, 01-Dec-20
375. Gupta N., Jalal A.S., Integration of textual cues for fine-grained image captioning using deep CNN and LSTM, *Neural Computing and Applications*, 32, 24, 17899-17908, Dec-20
376. Agarwal S., Lenka U., Singh K., Agrawal V., Agrawal A.M., A qualitative approach towards crucial factors for sustainable development of women social entrepreneurship: Indian cases, *Journal of Cleaner Production*, 274, 20-Nov-20
377. Gupta H., Yadav A., Maurya S., Multi carrier PWM for cascade topology of multilevel inverter Proceedings - 5th IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2020, 328-332, 12-Nov-20
378. Badhoutiya A., Chandra S., Goyal S., Comparative Evaluation of Modulation Schemes Applied for Pv Connected Z-Source Inverter, Proceedings - 5th IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2020, 164-168, 12-Nov-20
379. Chaurasia A., IIoT Benefits and Challenges with BlockChain, 2020 International Conference on Decision Aid, Sciences and Application, DASA 2020, 196-203, 08-Nov-20
380. Raikwar S., Tapaswi S., Accurate and Robust Atmospheric Light Estimation for Single Image Dehazing, 7th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering, UPCON 2020, 07-Nov-20
381. Garg H., Agrawal A., A comparative study on vehicles safety systems, PDGC 2020 - 2020 6th International Conference on Parallel, Distributed and Grid Computing, 172-176, Nov-20
382. Shankhdhar A., Mangla A., Singh A.K., Srivastava A., Operating of a drone using human intent recognition and characteristics of an EEG signal, PDGC 2020 - 2020 6th International Conference on Parallel, Distributed and Grid Computing, 324-327, 06-Nov-20
383. Kumar Y., Goyal M., Mishra R., Modified PV Based Hybrid Multilevel Inverters using Multicarrier PWM Strategy, Proceedings of the 4th International Conference on Electronics, Communication and Aerospace Technology, ICECA 2020, 460-464, 05-Nov-20
384. Mohan N., Jain V., Performance Analysis of Support Vector Machine in Diabetes Prediction, Proceedings of the 4th International Conference on Electronics, Communication and Aerospace Technology, ICECA 2020, 05-Nov-20
385. Badhoutiya A., Chandra S., Goyal S., Identification of Suitable Modulation Scheme for Boosted output in ZSI Proceedings of the 4th International Conference on Electronics, Communication and Aerospace Technology, ICECA 2020, 238-243, 05-Nov-20
386. Gupta H., Yadav A., Maurya S., Cascade multilevel inverter based topology with reduced switch count, Proceedings of the 4th International Conference on Electronics, Communication and Aerospace Technology, ICECA 2020, 150-154, 05-Nov-20
387. Agrawal N., Gupta M., Chouhan S., Miniaturized Micro-strip Antenna for 5th Generation Applications, Proceedings of the 4th International Conference on Electronics, Communication and Aerospace Technology, ICECA 2020, 592-595, 05-Nov-20

388. Singh R., Srivastava A., Kumar N., Kumar P., Effect of substrates & deposition temperatures on structural and magnetic properties of Co₂MnSi deposited by PLD, AIP Conference Proceedings, 2273-02-Nov-20
389. Singh P.K., Singh P.K., Sharma K., Saraswat M., Effect of sonication parameters on mechanical properties of in-situ amine functionalized multiple layer graphene/epoxy nanocomposites, Journal of Scientific and Industrial Research, 79, 11, 985-989, Nov-20
390. Singh R.P., An intelligent modelling of combined cooling, heating and power systems using improved artificial bee colony optimization algorithm, Journal of Green Engineering, 10, 11, 11872-11883, Nov-20
391. Chaturvedi R., Molding sand nano fluidization role in ceramic substitute, Journal of Green Engineering, 10, 11, 11540-11545, Nov-20
392. Singh P.K., Effect of barium sulphate (BaSO₄) nano crystals on their composites: Synthesis and characterization, Journal of Green Engineering, 10, 11, 10628-10635, Nov-20
393. Shukla, Goyal V., Dimension based step size-glowworm swarm optimization algorithm for pilot design process in orthogonal frequency division multiplexing & interleaved division multiple access systems, Journal of Green Engineering, 10, 11, 12338-12350, Nov-20
394. Kumar R., Entropy based balanced CNN and wireless sensor network based audio event detection, Journal of Green Engineering, 10, 11, 12274-12286, Nov-20
395. Verma M., Recycled material reinforced concrete beams to reducing waste material using multi objective cuckoo search algorithm (Mocsa), Journal of Green Engineering, 10, 11, 11928-11942, Nov-20
396. Kukreja N., Sharma A., A lightweight and multi objective optimization of selected complex mechanical system components using cooperative firefly algorithm, Journal of Green Engineering, 10, 11, 12216-12231, Nov-20
397. Sharma V.K., Investigation of ferromagnetic Co doped CeO₂ in nanocrystalline materials, Journal of Green Engineering, 10, 11, 11173-11179, Nov-20
398. Kumar M., Chaturvedi A., Modified greedy algorithm for multi user resource allocation and uplink transmission on VMIMO-SC-FDMA systems, Journal of Green Engineering, 10, 11, 11090-11104, Nov-20
399. Deolia V.K., Adaptive particle swarm optimization algorithm for optimal power allocation with antenna selection in MIMO systems, Journal of Green Engineering, 10, 11, 10839-10850, Nov-20
400. Goyal V., Lyapunov optimization and enhanced multiuser scheduling scheme for energy efficient resource allocation over OFDM networks, Journal of Green Engineering, 10, 11, 10930-10942, Nov-20
401. Parihar H.S., Birds behaviour optimization with weighted least squares support vector machine (BBO-WLS2-VM) for prediction of flow number of asphalt mixtures, Journal of Green Engineering, 10, 11, 11371-11383, Nov-20
402. Sharma A., Adaptive bacterial foraging optimization based task scheduling in cloud computing, Journal of Green Engineering, 10, 11, 10189-10202, Nov-20
403. Yadav R., Modelling and energy-efficient machining for sustainable manufacturing system using multi-objective optimization model, Journal of Green Engineering, 10, 11, 11819-11834, Nov-20
404. Upadhyay V.V., Fabrication and property evaluation of banana fiber polymer composite based on epoxy, Journal of Green Engineering, 10, 11, 10309-10320, Nov-20
405. Sharma A., An intelligent position control using priority based fitness scheme and optimal tuning of fuzzy logic controller parameters with binary bat algorithm for nonlinear gantry crane system, Journal of Green Engineering, 10, 11, 11687-11700, Nov-20
406. Chaturvedi A., Analysis of isothermal equations of state in the high-pressure region, Journal of Green Engineering, 10, 11, 12152-12160, Nov-20
407. Parihar H.S., Hydro-junction infrastructure based accurate structural damage detection using hybrid convolutional with recurrent neural network and classification using transfer learning, Journal of Green Engineering, 10, 11, 11148-11162, Nov-20

408. Singh A., Multi-view learning based improved rnn for missing value prediction in underwater wireless sensor network, *Journal of Green Engineering*, 10, 11, 11981-11993, Nov-20
409. Goyalzx M., Thermo elastic properties of nano-oxides using temperature dependent equation of state, *Journal of Green Engineering*, 10, 11, 11491-11498, Nov-20
410. Singhal P., An energy efficient mixed integer linear programming based enhanced harmony search optimization approach for combined heat and power systems, *Journal of Green Engineering*, 10, 11, 11785-11797, Nov-20
411. Mohan N., Weighted k-nearest neighbor based trust model for user access control in green cloud computing, *Journal of Green Engineering*, 10, 11, 12037-12049, Nov-20
412. Rai A.K., Convergence improved particle swarm optimization for optimal and energy efficient path selection in wsn, *Journal of Green Engineering*, 10, 11, 11608-11619, Nov-20
413. Islam A., Enhanced genetic algorithm for tuned multi loop l-pid and nl-pid controllers in gantry crane system, *Journal of Green Engineering*, 10, 11, 10994, 11005, Nov-20
414. Bhardwaj D., Energy efficient intrusion detection using weighted kernel function based svm for wsn, *Journal of Green Engineering*, 10, 11, 11416-11427, Nov-20
415. Gupta J.K., Shah K., Mishra P., Inadmissible planktons in potable water: a potential risk for human health, *Current Science*, 119, 10, 1627-1632, Nov-20
416. Sharma N., Singh S.P., Bharadwaj A., Natesan R., Pregnancy-associated glycoproteins as a potential marker for diagnosis of early pregnancy in goats: A scoping reviewing, *Asian Pacific Journal of Reproduction*, 9, 6, 255-260, 01-Nov-20
417. Sharma B., Nagano K., Saxena K.K., Fujiwara H., Ameyama K., Application of hydride process in achieving equimolar tinzrhfta bcc refractory high entropy alloy, *Crystals*, 10, 11, 1-12, Nov-20
418. Bhardwaj V.K., Dixit A., LRS Bianchi type-I bouncing cosmological models in f (R, T) gravity, *International Journal of Geometric Methods in Modern Physics.*, 17, 13, 10-Oct-20
419. Gupta N.K., Sharma A., Rathore P.K.S., Verma S.K., Thermal performance optimization of heat pipe using nanofluid: response surface methodology, *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, 42, 11, 01-Nov-20
420. Tariq F., Bhargava P., Bond-slip models for super ductile TMT bars with normal strength concrete exposed to elevated temperatures, *Journal of Building Engineering*, 32, Nov-20
421. Sachdeva A., Tomar V.K., A Schmitt-trigger based low read power 12T SRAM cell, *Analog Integrated Circuits and Signal Processing*, 105, 2, 275-295, 01-Nov-20
422. Kaushal A., Dogra P., COVID-19: A virus or revenge of nature: Counter measures of India during COVID-19 epidemics, *Journal of Public Affairs*, 20, 4, Nov-20
423. Ali J., Khan W., Impact of COVID-19 pandemic on agricultural wholesale prices in India: A comparative analysis across the phases of the lockdown, *Journal of Public Affairs*, 20, 4, Nov-20
424. Kumar A., Sharma K., Dixit A.R., Role of graphene in biosensor and protective textile against viruses, *Medical Hypotheses*, 144, Nov-20
425. Sharma Y., Garabadu D., Ruthenium red, mitochondrial calcium uniporter inhibitor, attenuates cognitive deficits in STZ-ICV challenged experimental animals, *Brain Research Bulletin*, 164, 121-135, Nov-20
426. Ghosh D., Sant T.G., Kuiti M.R., Swami S., Shankar R., Strategic decisions, competition and cost-sharing contract under industry 4.0 and environmental considerations, *Resources, Conservation and Recycling*, 162, Nov-20
427. Singh V., Turankar R.P., Goel A., Real-time PCR-based quantitation of viable *Mycobacterium leprae* strain from clinical samples and environmental sources and its genotype in multi-case leprosy families of India, *European Journal of Clinical Microbiology and Infectious Diseases*, 39, 11, 2045- 2055, 01-Nov-20
428. Mishra P., Bhatnagar C., Automated Hole and Non-Hole Screening in Retinal OCT Images Using Local Binary Patterns with Support Vector Machine, *National Academy Science Letters*, 43, 6, 529-531, Nov-20

429. Ali J., Khan W., Agricultural market operations across the lockdown in J&K: An assessment, Economic and Political Weekly, 55, 43, 16-20, 24-Dec-20
430. Bajpai N., Sharma G., Dubey P., Kulshreshtha K., An empirical examination of elder abuse through the lens of mens rea, Journal of Adult Protection, 22, 5, 269-297, 21-Oct-20
431. Godani N., Samant G.C., Wormhole modeling in $f(R; T)$ gravity with minimally-coupled massless scalar field, International Journal of Modern Physics A, 35, 29, Oct-20
432. Bharadwaj A., Gupta A., Garg G., Phytochemical and antibacterial potential of seed extract of *M. fragrans* with reference to its oil activity, Plant Cell Biotechnology and Molecular Biology, 21, 45-46, 43-51, Oct-20
433. Sharma H., Jalal A.S., Incorporating external knowledge for image captioning using CNN and LSTM, Modern Physics Letters B, 34, 28, 10-Oct-20,
434. Kumar A., A novel privacy preserving hmac algorithm based on homomorphic encryption and auditing for cloud, Proceedings of the 4th International Conference on IoT in Social, Mobile, Analytics and Cloud, ISMAC 2020, 198-202, 07-Oct-20
435. Luo L., Xu H., Sun X., Qin J., Zhou D., Chen F., Sheng S., Xu W., Shang Z., Cheng C., Kuang Y., Shi B., Kumar A., Wang C., Lin X., Lin W.-F., Understanding of dynamic contacting behaviors of underwater gas bubbles on solid surfaces, Langmuir, 36, 39, 11422-11428, 06-Oct-20
436. Ma M., Kumar A., Wang D., Wang Y., Jia Y., Zhang Y., Zhang G., Yan Z., Sun X., Boosting the bifunctional oxygen electrocatalytic performance of atomically dispersed Fe site via atomic Ni neighboring, Applied Catalysis B: Environmental, 274, 05-Oct-20
437. Saraswat M., Sharma K., Chauhan N.R., Shukla R.K., Role of automation in energy management and distribution, Journal of Scientific and Industrial Research, 79, 10, 951-954, Oct-20
438. Bansal K., Bajpai M., Formulation and evaluation of phanera variegata Linn. Mucilage as a pharmaceutical binder in solid dosage form, Indian Journal of Pharmaceutical Education and Research, 54, 4, 971-982, Dec-20
439. Islam A., Sharma A., Chaturvedi R., Investigation of tribological properties of aluminum oxide reinforced aluminum alloy composites, Journal of Green Engineering, 10, 10, 8885-8895, Oct-20
440. Sharma V., Multi-objective optimization in hard turning of tool steel using integration of taguchi & TOPSIS under wet conditions, International Journal of Engineering Trends and Technology, 68, 10, 37-41, 01-Oct-20
441. Singh P.K., Virtual metallurgy: Alloy formation and prediction of their properties through artificial neural network, International Journal of Engineering Trends and Technology, 68, 10, 28-32, 01-Oct-20
442. Mohan N., Lifetime enhancement of sensor nodes based on optimized sink node placement approach, International Journal of Engineering Trends and Technology, 68, 10, 10-23, 01-Oct-20
443. Singh B.K., Singh R.P., Singh D.V., Extended phase space thermodynamics of Bardeen black hole in massive gravity, European Physical Journal Plus, 135, 10, 01-Oct-20
444. Mujwar S., Kumar V., Computational drug repurposing approach to identify potential fatty acid-binding protein-4 inhibitors to develop novel antiobesity therapy, Assay and Drug Development Technologies, 18, 7, 318-327, 01-Oct-20
445. Shah K., Mujwar S., Krishna G., Gupta J.K., Computational design and biological depiction of novel naproxen derivative, Assay and Drug Development Technologies, 18, 7, 308-317, 01-Oct-20
446. Shukla N., Rana P., Pop I., Second law thermodynamic analysis of thermo-magnetic Jefferyâ€œHamel dissipative radiative hybrid nanofluid slip flow: existence of multiple solutions, European Physical Journal Plus, 135, 10, 19-Oct-20
447. Dixit A., Bhardwaj V.K., Pradhan A., RHDE models in FRW Universe with two IR cut-offs with redshift parametrization, European Physical Journal Plus, 135, 10, 01-Oct-20
448. Kumar A., Gupta S.K., Synchronization-aware task allocation techniques for preemption control to reduce blocking time in multiprocessor real-time system, International Journal of Embedded and Real-Time Communication Systems, 11, 4, 60-79, Oct-20

449. Gupta J.K., An insight into the sars-cov-2: Use of zinc ionophores - a blockbuster approach, *Research Journal of Chemistry and Environment*,24,10,205-213, Oct-20
450. Harwansh R.K., Deshmukh R.,Breast cancer: An insight into its inflammatory, molecular, pathological and targeted facets with update on investigational drugs, *Critical Reviews in Oncology/Hematology*,154,Oct-20
451. Kumar A., Singh S., Advancement in Inorganic Hole Transport Materials for Inverted Perovskite Solar Cells,*Journal of Electronic Materials*,49,10,5840-5881,11-Aug-20
452. Kumar A., Yasin G., Korai R.M., Slimani Y., Ali M.F., Tabish M., Tariq Nazir M., Nguyen T.A.,Boosting oxygen reduction reaction activity by incorporating the iron phthalocyanine nanoparticles on carbon nanotubes network, *Inorganic Chemistry Communications*, 120, Oct-20
453. Sharma Y., Garabadu D., Intracerebroventricular streptozotocin administration impairs mitochondrial calcium homeostasis and bioenergetics in memory-sensitive rat brain regions, *Experimental Brain Research*, 238,10,2293-2306,01-Oct-20
454. Singh M.K., Kumar S., Jain R.K., Singh V. Study of emission characteristics of the projectile fragments produced in the interaction of 84Kr36 with nuclear emulsion detector at 1 GeV, *Chinese Journal of Physics*, 67, 107, 112, Oct-20
455. Verma S.K., Gupta N.K., Rakshit D., A comprehensive analysis on advances in application of solar collectors considering design, process and working fluid parameters for solar to thermal conversion, *Solar Energy*, 208, 1114-1150, 15-Sep-20
456. Yu D., Kumar A., Nguyen T.A., Nazir M.T., Yasin G., High-Voltage and Ultrastable Aqueous Zinc-Iodine Battery Enabled by N-Doped Carbon Materials: Revealing the Contributions of Nitrogen Configurations, *ACS Sustainable Chemistry and Engineering*, 8, 36, 13769-13776, 14-Sep-20
457. Shweta, Mishra A.K., Sharma U.K., Traversable wormhole modelling with exponential and hyperbolic shape functions in F (R, T) framework, *International Journal of Modern Physics A*, 35-25, 10-Sep-20
458. Singh D.V., Siwach S., Thermodynamics and P-v criticality of Bardeen-AdS black hole in 4D Einstein-Gauss-Bonnet gravity, *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, 808, 10-Sep-20
459. Subhash Chandra, Agrawal S., Chauhan D.S., Impact of Photovoltaic Module Temperature on Size and Voltage Stability, a Case Study in Indian Climate, *Applied Solar Energy (English translation of Geliotekhnika)*, 56, 5, 324-333, Sep-20
460. Bandyopadhyay S.K., Goyal V., Dutta S., Problems and Solutions Due to Mental Anxiety of IT Professionals Work at Home during COVID-19, *Psychiatria Danubina*, 32, 04-Mar, 604-60501-Sep-20
461. Mohan N., Recognition of skin diseases using deep neural network optimized by group teaching algorithm, *International Journal of Engineering Trends and Technology*, 68, 9, 109-120, Sep-20
462. Sharma R., Synthesis and comparative antibacterial activity of fatty acid capped silver nanoparticles, *Journal of Pure and Applied Microbiology*, 14, 3, 1941-1947, Sep-20
463. Mohan N., Tumor detection from brain I using modified sea lion optimization based kernel extreme learning algorithm, *International Journal of Engineering Trends and Technology*, 68, 9, 84-100, Sep-20
464. Mausam K., Response parameter optimization for micro edm under influence of Cu nano powder for taitanium matrix composite (Tmcs), *International Journal of Engineering Trends and Technology*, 68, 9, 64-70, Sep-20
465. Mishra A.K., Dubey V.C., Sharma U.K., Two different shape functions for wormholes in f(R) theory with non-commutative geometry and Lorentzian distribution, *International Journal of Geometric Methods in Modern Physics*, 17, 11, 09-Sep-20
466. Jain R.K., Kumar S., Goswami B., Chakraborty R.N., Singh M.K., Kumar A., Effects of Heâ€“Ne laser on etching parameters of lexan (polycarbonate) plastic track detector irradiated with fission fragments, *Radiation Measurements*, 137, 01-Aug-20

467. Goyal A., Garabadu D., Vinpocetine facilitates the anti-amnesic activity of estrogen-receptor alpha agonist in bilateral ovariectomy-challenged animals, *Behavioural Brain Research*, 393, 01-Sep-20
468. Srivastava A., Naik R.M., Rastogi R., Spectrophotometric kinetic study of mercury(II)-catalyzed formation of $[4\text{-CNpyRu}(\text{CN})_5]^{3+}$ via ligand exchange reaction of hexacyanoruthenate(II) with 4-cyanopyridine: a mechanistic approach, *Journal of the Iranian Chemical Society*, 17, 9, 2327-2333, 01-Sep-20
469. Godani N., LRS Bianchi Type II in $f(R, T)$ gravity, *AIP Conference Proceedings*, 2253, 26-Aug-20
470. Sharma G., Parashar D., Chandel A., Analysis of Dynamic Model of Three Phase Induction Motor with MATLAB/SIMULINK, *Proceedings - 2020 International Conference on Advances in Computing, Communication and Materials, ICACCM 2020*, 51-58, 22-Aug-20
471. Islam A., Dwivedi V., Sharma K., FEM Analysis of Robotized Arc Welded Joint, *E3S Web of Conferences*, 184, 12-Jul-20
472. Bansal P., Saraswat M., Sharma K., Chauhan N., Effect of Poisson's ratio for liner material on performance of journal bearing under micropolar lubrication, *International Journal of Engineering Trends and Technology*, 68, 8, 58-61, Aug-20
473. Ramakrishna V., Singh P.K., Prakash S., Jain A., Second Line Injectable Drug Resistance and Associated Genetic Mutations in Newly Diagnosed Cases of Multidrug-Resistant Tuberculosis, *Microbial Drug Resistance*, 26, 8, 971-975, 01-Aug-20
474. Archana V.N., Rastogi P.K., Thoufееq S., Vinayasree S., Shaji S., Raghavendra Reddy V., Garza-Navarro M.A., Thomas S., Narayanan T.N., Anantharaman M.R., Engineering nanostructured spinel ferrites by co-substitution for total water electrolysis by preferential exposure of metal cations on the surface, *Sustainable Energy and Fuels*, 4, 8, 3915-3925, Aug-20
475. Godani N., Samanta G.C., Estimation of cosmological parameters, stability analysis and energy conditions in viable modified gravity, *Chinese Journal of Physics*, 66, 787-799, Aug-20
476. Mishra R.N., Chaturvedi D.K., Kumar P., Recent Philosophies of AGC Techniques in Deregulated Power Environment, *Journal of The Institution of Engineers (India): Series B*, 101, 4, 417-433, 01-Aug-20
477. Ram A., Mishra M.K., Density-connected cluster-based routing protocol in vehicular ad hoc networks, *Annales des Telecommunications/Annals of Telecommunications*, 75, 08-Jul, 319-332, 01-Aug-20
478. Bhargava A., Bansal A., Machine learning based quality evaluation of mono-colored apples, *Multimedia Tools and Applications*, 79, 31-32, 22989-23006, 01-Aug-20
479. Kumar A., Singh D.V., Ghosh S.G., Hayward black holes in Einstein-Gauss-Bonnet gravity, *Annals of Physics*, 419, Aug-20
480. Singh M.K., Singh L., Sharma V., Singh M.K., Kumar A., Pandey A., Singh V., Wong H.T., Required sensitivity in the search of neutrinoless double beta decay in ^{124}Sn , *Indian Journal of Physics*, 94, 8, 1263-1270, 01-Aug-20
481. Agrawal V., Mohanty R.P., Agrawal A.M., Identification and analysis of enablers of SCM by using MCDM approach, *Benchmarking*, 27, 6, 1681-1710, 22-Jul-20
482. Kumar J., Singh A.K., Buyya R., Ensemble learning based predictive framework for virtual machine resource request prediction, *Neurocomputing*, 397, 20, 30, 15-Jul-20
483. Varshney C.J., Sharma A., Yadav D.P., Sentiment analysis using ensemble classification technique, *2020 IEEE Students' Conference on Engineering and Systems, SCES 2020*, 04-Nov-20
484. Dubey P., Bajpai N., Guha S., Kulshreshtha K., Entrepreneurial marketing: an analytical viewpoint on perceived quality and customer delight, *Journal of Research in Marketing and Entrepreneurship*, 22, 1, 1, 19, 08-Jul-20
485. Sharma A., Agrawal S., Bhatnagar C., Chauhan D.S., Modelling and Analysis of Received Signal Strength - Based Emitter Geolocation from Single Geostationary Satellite with Multiple Antennas using STK Toolkit, *Australian Journal of Electrical and Electronics Engineering*, 17, 3, 188-195, 02-Jul-20

486. Singh B., Singhal P., Saxena K.K., Effect of transverse speed on mechanical and microstructural properties of friction stir welded aluminium AA2024-T351, *Advances in Materials and Processing Technologies*, 6, 3, 519-529, 02-Jul-20
487. Sahai N., Saxena K.K., Gogoi M., Modelling and simulation for fabrication of 3D printed polymeric porous tissue scaffolds, *Advances in Materials and Processing Technologies*, 6, 3, 530-539, 02-Jul-20
488. Rajput S.K., Kumar J., Mehta Y., Soota T., Saxena K.K., Microstructural evolution and mechanical properties of 316L stainless steel using multiaxial forging, *Advances in Materials and Processing Technologies*, 6, 3, 509-518, 02-Jul-20
489. Mittal D., Tomar V.K., Performance Evaluation of 6T, 7T, 8T, and 9T SRAM cell Topologies at 90 nm Technology Node, 2020 11th International Conference on Computing, Communication and Networking Technologies, ICCCNT 2020, 15-Oct-20
490. Dubey R.K., Dewangan H.K., Rational design and characterization of transdermal patch of irbesartan for hypertension, *Indian Journal of Pharmaceutical Education and Research*, 54, 3, S464-S472, Oct-20
491. Jaiswal A., Kumar S., Nigam A., En-VStegNET: Video Steganography using spatio-temporal feature enhancement with 3D-CNN and Hourglass, *Proceedings of the International Joint Conference on Neural Networks*, 24-Jul-20
492. Amandeep, Bhatt S., Kumar M., Devi S., Upadhyay P., Saini V., Mittal A., Mehan N., Saini A., Recent advances in the development of the nanostructured lipid carriers for the topical fungal infections, *Journal of Reports in Pharmaceutical Sciences*, 9, 2, 271-278, 07-Oct-20
493. Lal B., Rastogi P.K., Microwave assisted synthesis of chromium substituted nickel ferrite spinel for oxygen evolution reaction, *Orbital*, 12, 3, 154-159, Sep-20
494. Anand S., Layered Approach - A Simplified Mechanism for Securing Power Grid Systems, *Proceedings of the 2nd International Conference on Inventive Research in Computing Applications*, ICIRCA 2020, 969-974, 01-Sep-20
495. Agrawal M., Jain V., Applying Improved Genetic Algorithm to Solve Travelling Salesman Problem, *Proceedings of the 2nd International Conference on Inventive Research in Computing Applications*, ICIRCA 2020, 1194-1197, 01-Sep-20
496. Shrivastava A., Goyal M.K., Gupta J.K., Epileptogenic drugs and seizures: A comprehensive review of current knowledge, *International Journal of Pharmaceutical Research*, 12, 4, 11, Dec-20
497. Agrawal S., Sharma A., Bhatnagar C., Chauhan D.S., Modelling and analysis of emitter geolocation using satellite tool kit, *Defence Science Journal*, 70, 4, 440-447, 03-07-2020
498. Singh J.P., Gupta A., Ankita., Scientific Exploration of Hand Gesture Recognition to Text, *Proceedings of the International Conference on Electronics and Sustainable Communication Systems*, ICESC 2020, 363-367, 04-Aug-20
499. Singh N.K., Gupta J.K., A contemporary study on recommending outline of antiepileptic drugs, *International Journal of Pharmaceutical Research*, 12, 3, 350-355, Sep-20
500. Semwal B., Singh S., Yadav H., Possible involvement of heme oxygenase-1 in attenuation of diabetes mellitus induced vascular endothelial dysfunction in rodents, *International Journal of Pharmaceutical Research*, 12, 3, 322-330, Sep-20
501. Rohilla R., Goyal A., Varshney V., Semwal B.C., Yadav H.N., Role of heme oxygenase-1(Ho-1) and endothelin-1 (et-1) in modulation of cardioprotective effect of ischemic postconditioning in diabetic rat heart, *Indian Journal of Pharmaceutical Education and Research*, 54, 3, 690-697, Aug-20
502. Samanta G.C., Godani N., Bamba K., Traversable wormholes with exponential shape function in modified gravity and general relativity: A comparative study, *International Journal of Modern Physics D*, 29, 9, 01-Jul-20
503. Gupta J.K., Bipolar disorder: A major setback in substance abuse, *Indian Journal of Forensic Medicine and Toxicology*, 14, 3, 844-848, 30-07-2020

504. Gupta L.M., Samad A., Garg H., TBHM: A secure threshold-based encryption combined with homomorphic properties for communicating health records, International Journal of Information Technology and Web Engineering, 15, 3 ,1 ,17, Sep-20
505. Dubey V.C., Mishra A.K., Sharma U.K., Diagnosing the Λ holographic dark energy model in a flat Universe, Astrophysics and Space Science, 365, 7, 23-Jul-20
506. Varshney G., Sharma U.K., Pradhan A., Reconstructing the k-essence and the dilation field models of the THDE in $f(R, \Lambda T)$ gravity, European Physical Journal Plus, 135, 7, 03-Jul-20
507. Mishra R., A retrospect on clinical trials and current status of schedule y in Indian International Journal of Pharmaceutical Researchm 12, 3, 234-239, Sep-20
508. Singh T.P., Khandelwal U., Recapitulation of mobile-banking (M-banking): A bibliometric analysis, Finance India, 34, 2 ,753-770 ,Nov-20
509. Bansal K., Agrawal A., Bansal N., A Survey on Steganography using Least Significant bit (LSB) Embedding Approach, Proceedings of the 4th International Conference on Trends in Electronics and Informatics, ICOEI 2020 ,64 -69, 17-Jul-20
510. Reena G., Jitendra G., Chromatographic fingerprint analysis of piperine in polyherbal and marketed formulation by hptlc and GC-MS methods ,Current Trends in Biotechnology and Pharmacy, 14, 2 ,164-173, Jul-20
511. Aswal V.K., Jain J.K., Sonia P. Review on the behavior of various parameters on heat distribution in the SAW process ,Materials Today: Proceedings, 47 ,6734-6739, 24-May-21
512. Tripathi O., Singh D.P., Dwivedi V.K., Agarwal M. ,A focused review on aluminum metallic foam: Processing, properties, and applications, Materials Today: Proceedings ,47 , 6622-6627, 20-May-21
513. Vishwakarma S., Dwivedi V.K., Optimization of Process Parameters of Submerged Arc Welding by Taguchi Method, Materials Today: Proceedings, 47 ,7067- 7072, 18-Jun-21
514. Singh R.P., Raghuvanshi D., Pal A., Effect of external magnetic field on weld width and reinforcement height of shielded metal arc welded joints, Materials Today: Proceedings, 38, 112-115, 09-Jul-20
515. Chandra S., Yadav A., Site selection based on thermo mechanical decay and payback period of solar PV system: Need of present scenario, Materials Today: Proceedings ,43 ,287- 292, 09-Jan-21
516. Sharma A., Islam A., Sharma K., Singh P.K., Optimization techniques to optimize the milling operation with different parameters for composite of AA 3105, Materials Today: Proceedings, 43 ,224-230 ,01-Nov-20
517. Sharma A., Chaturvedi R., Singh P.K., Sharma K. , “AristoTobot welding performance and analysis of mechanical and microstructural characteristics of the weld, Materials Today: Proceedings ,43 ,614-622, 01-Nov-20
518. Kumar S., Dwivedi V.K., Dwivedi S.P. ,Waste material produced from industry and its utilization in development of green composite material: A review ,Materials Today: Proceedings, 43 ,490-496, 01-Nov-20
519. Singhal P. Preparation and characterization of poly (E-CAPROLACTONE) nano fibers by electrospinning technique for tissue engineering applications, Materials Today: Proceedings. 37. Part 2. 2997-3001. 19-Nov-20
520. Bansal P.K., Critical study of Indian stock market relationship with domestic (DIIs) and foreign institutional investors (FIIs), Materials Today: Proceedings. 37. Part 2. 2837-2843. 08-Oct-20
521. Kumar S., Dwivedi A., Mishra A., Singh S., Mittal P.C. Effect of nicotine abuse on oxidative stress and perceived stress and its relationship with coping self-efficacy among university graduates, Journal of Experimental Biology and Agricultural Sciences, 8, 6, 849-858, 30-Dec-20
522. Gupta J., Gupta R., Nutraceutical status and scientific strategies for enhancing production of omega-3 fatty acids from microalgae and their role in healthcare, Current Pharmaceutical Biotechnology, 21, 15, 1616-1631, Jul-20

523. Singh K.R., Goswami A.P., Kalamdhad A.S., Kumar B., Surface water quality and health risk assessment of kameng river (Assam, india), Water Practice and Technology, 15, 4, 1190-1201, 01-Dec-20
524. Bharadwaj Y.P., An empirical analysis of occupational stress on organisational image and commitment for medical practitionersâ€™ satisfaction in Jawaharlal Nehru Medical College, International Journal of Work Organisation and Emotion, 11, 3, 179-193, 27-Oct-20
525. Singh L.K., Garg H., Pooja, Khanna M., Performance analysis of machine learning techniques for glaucoma detection based on textural and intensity features, International Journal of Innovative Computing and Applications, 11, 4, 216-230, 30-Oct-20
526. Mishra R., Kumar N., Mishra I., Sachan N., A review on anticancer activities of thiophene and its analogs, Mini-Reviews in Medicinal Chemistry, 20, 19, 1944-1965, Jul-20
527. Sengupta D., Gupta P., Biswas A., "An Efficient Method for Computation of Entropy and Joint Entropy of Images, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 12463 LNCS, 282-290, 05-Oct-20
528. Rajpoot V., Mannepalli P.K., Choubey S.B., Sohoni P., Chaturvedi P., A novel approach for weighted average filter and guided filter based on tunnel image enhancement, Journal of Intelligent and Fuzzy Systems, 39, 3, 4597-4616, 07-Oct-20
529. Dwivedi V.K., Kumar D., Evaluation and prediction of mechanical properties of HDPE grade P5300 using molecular dynamics, International Journal of Computational Materials Science and Surface Engineering, 9, 2, 85-104, 15-Sep-20
530. Sharma A., Kumar M., Saraswat A.K., Inventory model for instant deteriorating items with seasonal price and time dependent ramp type demand, International Journal of Procurement Management, 13, 5, 653-664, 28-Jul-20
531. Sahu J., Vaishnav A., Singh H.B., Insights in plant-microbe interaction through genomics approach (Part iv), Current Genomics, 21, 7, 479-480, Sep-20
532. Agarwal K.M., Tyagi R.K., Saxena K.K., Deformation analysis of Al Alloy AA2024 through equal channel angular pressing for aircraft structures ,Advances in Materials and Processing Technologies, 19-Oct-20
533. Verma U., Bhardwaj D., Design of lightweight authentication protocol for fog enabled internet of things - A centralized authentication framework, International Journal of Communication Networks and Information Security ,12, 2, 162-167, Aug-20
534. Kumar S., Kumar S., Singh R.V., Chauhan A., Kumar A., Bharati J., Singh S.V., Association of genetic variability in CD209 gene with bovine paratuberculosis disease: a caseâ€™control study in the Indian cattle population, Animal Biotechnology, 28-Sep-20
535. Singh T.P., Impact of green marketing on buying behavior of Indian adolescent customer, Journal of Advanced, Research in Dynamical and Control Systems ,12, 7 Special Issue, 2797-2804 ,Jul-20
536. Singh M., Gupta S., Chaubey K.K., Singh P.K., Khandelwal V., Choudhary P., Pant G., Singh S.V., Sohal J.S. Bio-safety of milk products and mycobacterium avium subspecies paratuberculosis as major microbial contaminant using multiple tests including culture and sybr green real-time assay, Journal of Experimental Biology and Agricultural Sciences, 8, 4, 508-523, Aug-20
537. Sonia P., Jain J.K., Saxena K.K. "Influence of Severe Metal Forming Processes on Microstructure and Mechanical Properties of Mg alloys, Advances in Materials and Processing Technologies, 03-Sep-20
538. Shamim K., Khan S.A., Ahmad S. Consumers' understanding of nutrition labels for ultra-processed food products, Journal of Public Affairs, 03-Sep-20
539. Kumar K. Emerging phenomenon of corporate sustainability reporting: Evidence from top 100 NSE listed companies in India, Journal of Public Affairs, Sep-20
540. Khan W., Ansari S.A., Ali T. Economic reforms and agriculture in India: A state-wise analysis of post-reforms period, Journal of Public Affairs, Aug-20

541. Sahu J., Vaishnav A., Singh H.B. Insights in plant-microbe interaction through genomics approach (Part iii), Current Genomics, 21, 6, 399-400, Sep-20
542. Aman A., Prasad S., Prakash S., Sharma G., Singh V., Controlling the band structures and electromagnetic density of modes in one-dimensional photonic crystals with Lamb wave, Waves in Random and Complex Media, Aug-20
543. Singh S., Bajpai M., Mishra P. Self-emulsifying drug delivery system (Sedds): An emerging dosage form to improve the bioavailability of poorly absorbed drugs, Critical Reviews in Therapeutic Drug Carrier Systems, 37, 4, 305-329, Nov-20
544. Singhal S., Sharma A. Load Balancing Algorithm in Cloud Computing Using Mutation Based PSO Algorithm Communications in Computer and Information Science, 1244 CCIS, 224-233, 18-Jul-20
545. Goyal A., Garabadu D. Roflumilast attenuates cognitive deficits in estrogen insufficient rats, Behavioural Pharmacology, 671-687, 31-Oct-20
546. Sahu J., Vaishnav A., Singh H.B., Insights in plant-microbe interaction through genomics approach (Part ii), Current Genomics, 21, 5, 319-320, 31-Aug-20
547. Siddiquei M.I., Khan W. COVID 19: challenges for vegetable production in India, International Journal of Vegetable Science, 1, 3, 22-Jul-20
548. Sharma D.K., Pamula R., Chauhan D.S., A contemporary combined approach for query expansion, Multimedia Tools and Applications, 03-Jul-20
549. Khan W., Understanding the dynamics of small scale industry: A case study of Indian context, Journal of Critical Reviews, 7, 7, 1018-1023, Feb-21

Patents

a) Granted Patents:

- 1 Smart Vegetable Cutter, Deepak Mangal, Saurabh Singhal, Shubhanjay Tiwari, Tanya Singh, Kamal Sharma, Computer Engineering & Application 201911054346, Granted 28.12.2019, 10.01.2020, 26.12.2020, 23.02.2021, United Patents.
- 2 Underwater Robotic Vehicle, Kamal Sharma, Debonik Roy, Vishal Goyal, Manish Saraswat, Nitin Kukreja, Himanshu Baghel, Toshit Jain, Mudit Sehgal, Shrey Saraswat, Mechanical Engineering, 201911052868, Granted 19.12.2019, 03.01.2020, 27.10.2020, 11.01.2021, United Patents
- 3 Smart Bird, Deepak Sharma, Nitin Kukreja, Manoj Kumar, Akash Jain, Amit Chaturvedi, Chirag Rajpoot, Harsh varshney, Deepak Pal, Sunil Sharma, Mechanical Engineering, 201911052365, Granted 17.12.2019, 03.01.2020, 21.11.2020, 29.01.2021, United Patents
- 4 I-Cos (Ignition Cut Off System) Vijay Kumar Dwivedi Rajat Yadav Moazzam Mahmood Kamal Sharma Ritesh Kumar Dixit Mechanical Engineering, 201911054343 Granted 28.12.2019 10.01.2020 22.12.2020 31.12.2020 United Patent
- 5 Eco Gap Filler Prabal Pratap Singh Kuwar Mausam Raghav Rohatgi Chemistry 201911054344 Granted 28.12.2019, 10.01.2020, 07.08.2020, 25.11.2020 United Patents
- 6 Distillation Based Water Purification System Naveen Kumar Gupta Kaustubh Srivastava Ashish Tripathi Mechanical Engineering, 201911052368 Granted 17.12.2019, 03.01.2020, 14.09.2020, 11.12.2020 United Patents
- 7 Treadmill-Electric Cycle, Kamal Sharma, Prateek, Ritesh Dixit, Sachin Singh, Ravi Kumar Shukla, Gaurav Verma, Karanjeet Singh Randhawa, Himanshu Mishra, Tejas Singh, Mechanical Engineering, Granted, 13.07.2018, 28.09.2018, 29.07.2020, 12.03.2021, United Patents.
- 8 Smart Automatic Street Light With Woman Protection System, Prakhar Maheshwari, Monika Agrawal, Prof Vishal Goyal, Prof. Vinay Kumar Deolia, Electronics & Comm. Engineering 202011025403, Granted 17.06.2020, 21.08.2020, 25.03.2021, 02.06.2021, United Patents.
- 9 A Drum Drier for Optimal Preheating of Plastic Scrap Kamal Sharma Vijay Kumar Dwivedi Rohit Sharma Anas Islam Parvez Alam Mechanical Engineering 202011037415 Granted 31.08.2020, 09.10.2020, 08.04.2021, 19.04.2021 United Patents
- 10 Electrochemical Synthesis of Graphene Oxide (Go)/ Reduced Graphene Oxide (Rgo) By Using Externally Applied Magnetic Field Pankaj Kumar Singh Pradeep Kr. Singh Arun Kumar Tiwari Kamal Sharma Mechanical Engineering 202011038248 Granted 04.09.2020, 16.10.2020, 06.03.2021, 19.04.2021 United Patents
- 11 Aqua-Air Fixture for Friction Stir Welding Vijay kumar Dwivedi Shahabuddin Mechanical Engineering 201811049186 Granted 26.12.2018, 15.02.2019, 28.07.2020, 27.10.2020, United Patents

b) Patents of New Gen IEDC:

- 1 Smart Car Ignition System, Poojapathak, Vijay Kr. Dwivedi, Puja, Ritesh Dixit, Mathematics, 202011025401, 21.08.2020
- 2 Nirbhaya App (**System To Send Emergency Distress Signal**), Harshit Dixit, Manish Kumar, nitinkukreja, pushkar Sharma, Prof Manoj Kumar, Prof Kamal Sharma, Computer Engineering & Applications, 202111016309, 16.04.2021
- 3 Suryoday (Suryauday), Pushpendra Sharma, Raghav Rohatgi, Mechanical Engineering, 202011051812, 26.03.2021
- 4 Solar Energy Assisted Stair Chair (Sea-Sc), Akash Gupta, Vijay Kumar Dwivedi, Mechanical Engineering, 202011052134, 11.12.2020

- 5 A Rack And Pinion Driven Cycle, Anand Saraswat, Himanshu Upadhyay, Mechanical Engineering, 202011051630, 04.12.2020
- 6 An Alert System For Safe Drving During Fog, Pushpendra Sharma, Tarun Chaudhary, Trivendra Singh, Chirag Varshney, Mechanical Engineering, 202011051631, 04.12.2020
- 7 Pendent Kawach, Ayan Chowdhary, Deepan Shubhalla, Tushar Agrawal, Computer Engineering & Applications, 202011052133, 11.12.2020
- 8 Multi Pedel Driving Vehicle(Mpdv), Bharat Singh, Piyush Singhal, Abhishek Dhawan, Nandi Kumar, Vikasgola, Mechanical Engineering, 202111005101, 12.03.2021
- 9 Forced Solar Dryer With Phase, Anging Material (Pcm), Amitesh Kumar Pandey, Chandrakesh Singh, Ashu Verma, Sujit Kr Verma, Mechanical Engineering, 202011025402, 21.08.2020
- 10 Si Phase Locator, Suzanne Sharma, Anju Upadhyay, Diwakar Bhardwaj, Vikas Kumar Sharma, University Polytecnic, 202011031305, 25.09.2020
- 11 Solar Distillation With Installed Phase Change Material, Ajit Singh, Ashish Pal, Atishay Jain, Karan Sharma, Sujit Kr Verma, Mechanical Engineering, 202011033079, 25.09.2020
- 12 Butter Ghee Separator, Sonia Singh, Bhupeshc Semwal, Piyush Singhal, Institute Of Pharmaceutical Research, 202011030132, 18.09.2020

c) Patents of GLA University, Mathura:

- 1 Plastic Ink, Raghav Rohatgi, Nitin Kukreja, Kuwar Mausam, Prabal Pratap Singh, Mechanical Engineering , 202011030866, 25.09.2020
- 2 A Portable Ambu Bag Ventilator System, Prof. Kamal Sharma, Himanshu Senger, Vineet Sinha, Abhinav Mishra, Shailesh Sharma, Prof. Diwakar Bhardwaj, Mechanical Engineering, 202111023516, 11.06.2021
- 3 A MI Based Bci System For Training And Enabling Aphonic Patient For Effective Communication, Ashutosh Shankhdhar, Suyash Dixit, Arushimangala, Nishtha Gupta, Computer Engineering & Applications, 202011030624, 25.09.2020
- 4 Artificial Intelligence Based Automated Stereotactic Radiotherapy And Radiosurgery Treatment Plan, Biplab Sarkar, Anirudh Pradhan, Mathematics, 202011040617, 23.10.2020
- 5 An Adaptive, Energy Efficient And Energy Balanced Data Gathering Approach For Wireless Sensor Networks, Jagrati Kulshrestha, Manas Kumar Mishra, Computer Engineering & Applications, 202011033881, 25.09.2020
- 6 Smart Automatic Street Light, Prakhar Maheshwari, Monika Agrawal, Vishal Goyal, Vinay Kumar Deolia, Electronics & Communication, Engineering, 202011025403, 21.08.2020
- 7 Synchronesh Clutch Box, Utkarshgoyal, Kamal Sharma, Ritesh Dixit, Mechanical Engineering, 202011025487, 21.08.2020
- 8 Low Lubricating Oil Cutoff Ignition System, Harish Kumar Sharma, Nitin Kukreja, Kamal Sharma, Mechanical Engineering, 202011026452, 21.08.2020
- 9 A System For Automatic Counting, Scanning And Tagging Of Luggage, Deepak Mangal, Dilip Kumar Sharma, Kamal Sharma, Shubhanjay Tiwari, Tanay Singh, Computer Engineering & Applications, 202011036216, 09.10.2020
- 10 A Drum Drier For Optimal Preheating Of Plastic Scrap, Kamal Sharma, Vijay Kumar Dwivedi, Rohit Sharma, Anas Islam, Parvezalam, Mechanical Engineering, 202011037415, 09.10.2020
- 11 Automatic Volumetric Water Filling Tap, Msrohini Sharma, Diwakar Bhardwaj, Aditya Goswami, Vikas Kumar Sharma, University Polytecnic, 202011025404, 21.08.2020
- 12 Quadruped Spider Robot With Radar System , Nabled, Rishabh Johari, Saurabh Kumar, Aasheesh Shukla, Manish Agrawal, Atul Bansal Vinay Kumar Deolia, Electronics & Communication Engineering, 202011025405, 21.08.2020
- 13 Latrine Without Water, Yogendra Kumar, Susmita Pramanik, Dipakkumar Das, Panchanan Pramanik, Rohit Sharma, Chemistry, 202011033080, 18.09.2020

- 14 Land Slide Robotic Drone, Abhinav Kumar Dhusia, Trivendra Sengar, Vaibhav Goyal, Swaraj Chaturvedi, Ishitagoel, Prashant Kumar, Mechanical Engineering, 202011037418, 09.10.2020
- 15 Smart Sewage Workers Safety Monitoring System, Ajitesh Kumar, Anand Singh Jalal, Mona Kumari, Dolly, Saurabh Tyagi, Computer Engineering & Applications, 202011035704, 09.10.2020
- 16 A Smart Wheel Chair, Ajitesh Kumar, Anand Singh Jalal, Manoj Kumar, Pratik Sharawat, Tanuj Johal, Manish Chahar, Computer Engineering & Applications, 202011037416, 09.10.2020
- 17 Iot Enabled Holding Device For Urine Bag & Liquid Infusion For Patient, Pooja Pathak, Vijay Kumar Dwivedi, Deepak Mangal, Mathematics , 202011038401, 16.10.2020
- 18 A Mechanical Gripper With Controlled Operations For Robotic Arc Welding, Kamal Sharma, Debanik Roy, Rohit Sharma, Anas Islam, Aman Sharma, Rishabh Chaturvedi, Mechanical Engineering, 202011036215, 09.10.2020
- 19 In-Silico Design Of The (S)-(4-((4-(4 Chlorophenyl) (Phenyl) Methyl) Piperidin-1-Yl) Methyl) Phenyl) Methanetriamine Molecule As An Isoleucyl-Trna Synthetase Inhibitor For The Mupirocin Resistant Staphylococcus Aureus Bacteria, Somdutt Mujwar, Kamal Shah, Rohitas Deshmukh, Institute Of Pharmaceutical Research, 202011038819, 16.10.2020
- 20 Topical Dosage Form Of Apremilast For Managing Ocular Hypertension, Rohitas Deshmukh, Swarnali Das Paul, Institute Of Pharmaceutical Research, 202011034083, 25.09.2020
- 21 Automatic Water Dispenser, Gaurav Bharadwaj, Kamal Sharma, Ayush Goswami, Shubham Agrawal, Mechanical Engineering, 202011050121, 11.12.2020
- 22 Destruction Of Phosphor Lipids By Metal Salt To Act As Disinfectant, Susmita Pramanik, Dipak K Das, Panchanan Pramanik, Chemistry, 202011037417, 09.10.2020
- 23 Wireless Power Transmission System, Diwakar Bhardwaj, Vikas Kumar Sharma, Shivkuma Mmittal, University Polytecnic, 202011049038, 26.03.2021
- 24 Health Tracker (Fitness Band) For Mines Worker, Diwakar Bhardwaj, Rohini Sharma, Aditya Goswami, University Polytecnic, 202011038818, 16.10.2020
- 25 Decisive Gun With Audio Recorder, Gps And Static Grip Recognition, Diwakar Bhardwaj, Aditya Goswami, Vikas Kumar Sharma, University Polytecnic, 202011038399, 16.10.2020
- 26 Portable Vacuum Flask Battery Charger, Diwakar Bhardwaj, Rohini Sharma, Aditya Goswami, Vikas Kumar Sharma, Vinaytomar, Raj Kumar, University Polytecnic , 202011037798, 16.10.2020
- 27 Electrochemical Synthesis Of Graphene Oxide (Go)/ Reduced Graphene Oxide (Rgo) By Using Externally Applied High Voltage (Dc Voltage), Pankaj Kumar Singh, Pradeep Kr. Singh, Arun Kumar Tiwari, Kamal Sharma, Mechanical Engineering, 202011039288, 16.10.2020
- 28 Smart Blind Stick, Diwakar Bharadwaj, Vikash Kumar Sharma, Anju Upadhyay, Hariom, University Polytecnic, 202011038817, 16.10.2020
- 29 Atazanavir Nanocrystal Formulation, Rohitas Deshmukh, Swarnali Das Paul, Institute Of Pharmaceutical Research, Sstc-Ssgi-Fps.Junwani,Bhilai,Cg,490020, 202011038816, 16.10.2020
- 30 Camless Four Stroke Engine Using Solenoidal Valves, Diwakar Bhardwaj, Vikash Kumar Sharma, Aditya Goswami, Rohini Sharma, Rajkumar Singh, University Polytecnic, 202011038400, 16.10.2020
- 31 Innovative Home For Handicapped People, Diwakar Bhardwaj, Vikas Kumar Sharma, Hariom, Aman Srivastava, Atul Kumar Singh, University Polytecnic, 202011037799, 16.10.2020
- 32 A Device And A System To Detect And Remove The Pipe Blockage, Kamal Sharma, Pranay Pushp, Tarun Grover, Mechanical Engineering, 202011037419, 09.10.2020
- 33 Low Cost Patch Comprising Herbal Mosquito Repellant, Anujgarg, Debapriya Garabadu, Hitesh K. Dewangan, Ahsas Goyal, Institute Of Pharmaceutical Research, 202011039289, 16.10.2020

- 34 Cyanamide Derived Fe-Nx Core-Shell Nanoarchitecture As Superior Orr Electrocatalyst For Fuel Cell Applications, Anuj Kumar, Vinod Kumar Vashistha, Dipak Kumar Das, Chemistry, 202011042665, 06.11.2020
- 35 Multipurpose Metallic Cover Keeper, Ankur Gupta, Saurabh Dubey, D.Rnakul Gupta, Civil Engineering, 202011043629, 06.11.2020
- 36 A Power Blockage Removal Water Tap, Somesh Dhamija, Aruna Dhamija, Deepika Pandoi, Kamal Sharma, Rohit Sharma, Institute Of Business Management, 202011042666, 06.11.2020
- 37 Iot Based Smart Gas Regulator, Deepak Mangal, Saurabh Singhal, Priyanshu Pathak, Abhishek Srivastav, Computer Engineering & Applications, 202011043402, 06.11.2020
- 38 Metal Specific Automatic Rpm Control Belt Grinder With Surface Finishing Grade Detector, Diwakar Bharadwaj, Vikas Kumar Sharma, Yogendra Kumar, Aditya Gautam, Aditya Goswami, University Polytecnic, 202011043401, 06.11.2020
- 39 Automated Manhole Cover To Control The Waterlogging Problem In Rainy Session, Pankaj Sonia, Dr. Piyush Singhal, Jinesh Kumar Jain, Rohit Sharma, Mechanical Engineering, 202011045686, 06.11.2020
- 40 Pneumatic Reciprocating And Rotating Machine, Notan Kumar , Vikas Kumar Sharma, Diwakar Bharadwaj , University Polytecnic, 202011048139, 11.12.2020
- 41 Automatic-Portable Vehicles And Home Outdoor Furniture Washer, Notan Kumar , Vikas Kumar Sharma, Diwakar Bharadwaj , Sanjeev Kumar Gupta, University Polytecnic , 202011046434, 20.11.2020
- 42 Frontal Crash Protected Chassis For An Automobile, Vikas Kumar Sharma, Diwakar Bhardwaj, Pradeep Kumar Singh, University Polytecnic , 202011046433, 20.11.2020
- 43 Suicide Prevention Alert System, Kuldeep Kumar Saxena, Ankita Awasthi, Mechanical Engineering, 202011045681 , 06.11.2020
- 44 Six Stroke Diesel-Water Engine, Mahendra Kumar Sahani, University Polytecnic , 202011045690, 06.11.2020
- 45 Regenerative Braking System, Vijay Kumar Dwivedi, Viyat Varun Upadhyay, Ritesh Dixit, Brij Mohan Angira, Mechanical Engineering, 202011045682, 06.11.2020
- 46 Smart Engine, Manoj Kr. Agrawal, Piyushsinghal, Ritesh Dixit, Brij Mohan Angira, Mechanical Engineering, 202011045689, 06.11.2020
- 47 Design And Fabrication Of Eco Kart, Yasir Mahmood, Anas Islam, Harshjeet Singh, Sumiran Saran, Samarth Agarwal, Saransh Srivastava, Prashant Bhardwaj, Shashwat Agarwal, Saurabh Pathak, Chahat Pathak, Divyank Sharma, Gaurav Chaudhary, Mechanical Engineering, 202011045436, 06.11.2020
- 48 Design And Analysis Of Microwindturbine For Electricity Generation In Fourwheelers, Sujit Kumar Verma, Naveen Kumar, Gupta, Kumar Kaustubh Mishra, Anuj Singh, Pooja Trivedi, Km. Shreyanshi, Rupendra Pratap Singh, Priyam Singh, Mechanical Engineering, 202011045685, 06.11.2020
- 49 A Solar Radiation Tracking Device Without Microcontroller, Ravindra Pratap Singh, Arpit Deep, Himanshu Verma, Aman Kumar, Atul Pundhir, Mechanical Engineering, 202011045684, 06.11.2020
- 50 Design And Fabrication Of Stair-Climbing Heelchair, Harish Sharma, Aman Sharma , Divyanshu, Rohit Vishwakarma, Nishant Kumar Sharma, Puneet Singh, Gauravsoni , Vanshyadav, Mechanical Engineering, 202011045680, 06.11.2020
- 51 Fabrication of Piezoelectric Power Generator, Sunil Kumar, Rishabh Chaturvedi, Kartikeya Pandey, Rupendra Singh, Sachin Vishwakarma, Mechanical Engineering, 202011045683 , 06.11.2020
- 52 Automatic Garage Door Opener, Harish Sharma, Rajatyadav, Mordhwaj, Himanshu Agrawal, Kuldeep Prajapati, Abhishek Singh, Mechanical Engineering, 202011045688, 06.11.2020
- 53 An Eye Blink Detector System To Prevent Accidents, Toshit Jain, Mohit Sharma, Sumit Singh, Kushagra Singh, Santosh, Prafful Kumar, Mechanical Engineering, 202011045687, 06.11.2020

- 54 Iot Based Solar Washing Machine, Sunil Kumar, Gyanendra Mishra , Mo. Faisal Azad , Anurag chaubey, Hemant Singh , Dr Kamal Sharma , Aman Sharma, Mechanical Engineering, 202011050122, 11.12.2020
- 55 Flying Unmanned Robotic Arm (Fura), Himanshu Senger, Himanshu, Himanshu Maheshwari, Prakhar Singh, Prateek Dwivedi, Trivendra Sengar, Mechanical Engineering, 202011049040, 26.03.2021
- 56 Automatic Leg Before Wicket (Lbw) Detector In Cricket Using Impact Range Ultrasonic Sensors, Kamal Sharma, Rishabh Chaturvedi, Rajat Yadav, Aman Sharma, Anas Islam, Vishal Goyal, Rohit Sharma, Mechanical Engineering, 202011046212, 20.11.2020
- 57 Air Blow Diabetes Checker For Human Beings, Kamal Sharma, Rohit Sharma, Aman Sharma, Rajatyadav, Nitin Kukreja, Pradeep Kumar Singh, Manish Saraswat, Mechanical Engineering, 202011050116, 26.03.2021
- 58 Cost-Effective And Convenient Device For Coconut Peeling, Kamal Sharma, Rohit Sharma, Anas Islam, Rajat Yadav, Aman Sharma, Rishabh Chaturvedi, Rashmi Mishra, Pradeep Kumar Singh, Mechanical Engineering, 202011046431, 20.11.2020
- 59 Automatic Dung Cakes Maker, Kamal Sharma, Anas Islam, Rohit Sharma, Aman Sharma, Rajat Yadav, Rishabh Chaturvedi, Pradeep Kumar Singh, Manish Saraswat, Mechanical Engineering, 202011046211, 20.11.2020
- 60 Iot Based Intelligent Table Calendar For Information Recording And To-Do Generating, Kamal Sharma, Aman Sharma, Rishabh Chaturvedi, Anas Islam, Rajatyadav, Rohit Sharma, Pradeep Kumar Singh, Manish Saraswat, Mechanical Engineering, 202011047437, 26.03.2021
- 61 Foldable Cross-Flow Laptop Cooling Pad, Naveen Kumar Gupta, Shailesh Sharma, Veneet Kumar, Mechanical Engineering, 202011047438, 11.12.2020
- 62 Designing Of Microstrip Patch Antenna For 5g Applications, Aditi Saxena , Dush Yant Singh, Vinay Kumar Deolia , Vishal Goyal, Electronics & Communication Engineering, 202011047877, 26.03.2021
- 63 Pea Peeler For Smooth Peeling Of Peas, Prof. Kamal Sharma, Anas Islam, aman Sharma, Pradeep Kumar Singh, Rishabh Chaturvedi, Rajat Yadav, Mechanical Engineering, 202011049039, 26.03.2021
- 64 An Indigenous & Novel Type Of Sensor Instrumented Gripper, Shailesh Sharma, Anas Islam, Aman Sharma, Rishabh Chaturvedi, Kamal Sharma, Rohit Sharma, Debanik Roy, Mechanical Engineering, 202011050119, 22.01.2021
- 65 Smart Material Handling Crucible, Prarit Agrawal, Harshit Sehgal, Dinesh Kumar, Sujitverma, Ritesh Dixit, Mechanical Engineering, 202011050117, 11.12.2020
- 66 Mutli-Purpose Ai Enabled Face Recognition Based Smart Hoardings For Increasing The Visibility Of Advertisement, Kamal Sharma, Anas Islam, Rishabh Chaturvedi, Ashish Sharma, Manish Saraswat, Mechanical Engineering, 202011050118, 11.12.2020
- 67 Fdm (Fuel Detection Meter), Aman Sharma, Anas Islam, Rajat Yadav, Rishabh Chaturvedi, Nitin Kukreja, Rohit Sharma, Mechanical Engineering, 202011052294, 22.01.2021
- 68 Solar Power Enabled Motor Operated Extended Cycle For Railway Track Inspection, Prof. Kamal Sharma, Prof. Piyush Singhal, aman Sharma, Anas Islam, Rajat Yadav, Rishabh Chaturvedi, Rohit Sharma, Pooja Saharan, Mechanical Engineering, 202011052293, 22.01.2021
- 69 Hi-Tech Light Beam Adjustment For 4 Wheelers, Prof. Kamal Sharma, Aman Sharma, Rishabh Chaturvedi, Rohit Sharma, Pradeep Kumar Singh, Avinash Dutt Kaushik, Mechanical Engineering, 202011055706, 22.01.2021
- 70 Exhaust Based Automatic Seed Sowing Machine For Agriculture Applications, Rohit Sharma, Rishabh Chaturvedi, Nitin Kukreja, Prof. Ashish Sharma, Avinash Dutt Kaushik, Rashmi Mishra, Mechanical Engineering, 202011050120, 11.12.2020
- 71 A Solar- Powered Rail-Track Cleaning Vehicle, Rohit Sharma, Amit Agrawal, Rishabh Chaturvedi, Prof. Ashish Sharma, Anas Islam, Viyat Varun Upadhyay, Mechanical Engineering, 202011052148, 11.12.2020

- 72 A Hydraulic Sensors-Based Suspension System Inspired By Kangaroo Leg, Prof. Kamal Sharma, Anas Islam, Rishabh Chaturvedi, aman Sharma, Rajat Yadav, Mechanical Engineering, 202011052135, 11.12.2020
- 73 Pneumatic Suspension Crutch For Disabled Persons- Pscdp, Prof. Kamal Sharma, Anas Islam, Rishabh Chaturvedi, aman Sharma, Rajat Yadav, Mechanical Engineering, 202011051632, 04.12.2020
- 74 Arduino Based Smart Stapler – Abs, Kamal Sharma, Amit Agrawal, Anas Islam, Anjani Kumar Rai, Aman Sharma, Kuwar Mausam, Mechanical Engineering, 202011052586, 11.12.2020
- 75 Novel Welding Gripper For Quality Inspection Using Surfactester And Thermal Imaging Camera (A Quality Inspection Welding Gripper), Prof. Debanik Roy, Rohit Sharma, Anjani Kumar Rai, Anas Islam, Rishabh Chaturvedi, Aman Sharma, Prof. Vishal Goyal, Mechanical Engineering, 202011051813, 26.03.2021
- 76 A Novel Device For Lyrical Communication Based On Ai (Artificial Intelligence) And Nlp (Natural Language Processing), Munesh Chandra Trivedi, Prof. Vishal Goyal, Anil Kumar Dubey, Jitendra Kumar, Electronics & Communication Engineering, 202011051629, 04.12.2020
- 77 Nanoemulgel Composition Containing Essential Oil Of Ferula Asafoetida, Anuj Garg, Ahsas Goyal, Shashank Chaturvedi, Institute Of Pharmaceutical Research, 202011052439, 11.12.2020
- 78 Micro-Particles Of Titanium Oxide And Kaolin, Susmita Pramanik, Deeksha Gupta, Yogendra Sharma, Prabal Pratap Singh, Dipak K Das, Panchanan Pramanik, Chemistry, 202011051815, 26.03.2021
- 79 Automatic Stapler Type Button Stitcher (A Button Stapler), Kamal Sharma, Anas Islam, Rishabh Chaturvedi, Aman Sharma, Rajat Yadav, Mechanical Engineering, 202011052211, 11.12.2020
- 80 An Embedded System For Measuring Ic Engine Emission, Prof. Kamal Sharma, Manish Saraswat, Birendra Kumar Saraswat, Rashmi Mishra, Prof. Vishal Goyal, Mechanical Engineering, 202011052147, 11.12.2020
- 81 Gas Monitoring And Gas Indicator System, Prof. Kamal Sharma, Anas Islam, Anjani Kumar Rai, Amit Agrawal, Prof. Ashish Sharma, Manish Saraswat, Mechanical Engineering, 202011051633, 04.12.2020
- 82 A Bluetooth Based Helmet Having Smart Gps, Amit Agrawal, Anas Islam, Anjani Kumar Rai, Aman Sharma, Prof. Ashish Sharma, Prof. Vishal Goyal, Electronics & Communication Engineering, 202011052132, 11.12.2020
- 83 Pollution Fighter Drone (With Iot And Mi Technology), Shubham Kumar Shukla, Soumya Goyal, Aasheesh Shukla, Divya Singh, Manish Kumar, Abhay Chaturvedi, Electronics & Comm. Engineering, 202011051814, 04.12.2020
- 84 Sensor Instrumented Window (Siw), Pooja Pathak, Vijay Kumar Dwivedi, Mathematics, 202011054138, 22.01.2021
- 85 Wastewater Energy Generator, Shantanu Upadhyay, Bharat Singh, Yash Sharma, Shailesh Sharma, Mechanical Engineering, 202011053316, 22.01.2021
- 86 Plasto Bricks, Raghav Rohatgi, Prof. Kamal Sharma, Nitin Kukreja, Pushkar Sharma, Mechanical Engineering, 202011055936, 22.01.2021
- 87 Smart Finger Print Based Unlocking System For Two Wheelers, Bharat Singh, Prof. Piyush Singhal, Abhishek Dhawan, Mechanical Engineering, 202011053317, 22.01.2021
- 88 Waste Heat Power Generation System Using Thermo-Electric Generator From Silencer, Prof. Kamal Sharma, Rishabh Chaturvedi, Aman Sharma, Anas Islam, Rajat Yadav, Mechanical Engineering, 202011053315, 22.01.2021
- 89 Battery Operated Portable Water Heater, Kamal Sharma, Anas Islam, Aman Sharma, Viyat Varun Upadhyay, Rajat Yadav, Prof. Ashish Sharma, Prof. Vishal Goyal, Computer Engineering & Applications, 202111005160, 12.03.2021

- 90 Provision For An Alternate Power Source (Solar Operated Motor) At The Time Of Working Of Job For The Fuel Saving, Anas Islam, Rishabh Chaturvedi, Aman Sharma, Munesh Chandra Trivedi, Prof. Vishal Goyal, Avinash Dutt Kaushik, Amit Agrawal, Mechanical Engineering, 202111005161, 12.03.2021
- 91 Pressure Indicator For Heavy Vehicle, Anas Islam, Rishabh Chaturvedi, Aman Sharma, Anjanirai, Amit Agrawal, Viyat Varun Upadhyay, Mechanical Engineering, 202011052150, 11.12.2020
- 92 Pneumatic Bed For Toddlers, Anas Islam, Rishabh Chaturvedi, Aman Sharma, Nitin Kukreja, Rajat Yadav, Prof. Ashish Sharma, Anjanirai, Munesh Chandra Trivedi, Computer Engineering & Applications, 202011052149, 11.12.2020
- 93 Waste Elimination Of Pla Material Coming Out From 3dprinter By Using An Optimized Heating Chamber, Anas Islam, Prof. Vishal Goyal, Aman Sharma, Rohit Sharma, Puneet Mishra, Mechanical Engineering, 202111008895, 12.03.2021
- 94 Smart Highway Electronic Toll Collection System, Prajjwal Mishra, Joseph Massey, Harshit Singh, Nitin Kumar, Ankit Yadav, Manish Gupta, Electronics & Comm. Engineering, 202111010385, 26.03.2021
- 95 An Intelligent Electric Moving Machine (Iemm) Embedded System, Amityadav, Prof Kamal Sharma, Drpankaj Gupta, Jyoti Vimal, Prof D K Chaturvedi, Mechanical Engineering, 202011057348, 08.01.2021
- 96 High Security Theft Detection System Using Pir, Prof. Diwakar Bharadwaj, Vikas Kumar Shrama, Aditya Goswami, Rajkumar Singh, University Polytecnic, 202011057349, 08.01.2021
- 97 Low Cost Touchless Switch For Elevators, Prof. Diwakar Bharadwaj, Vikas Kumar Sharma, Rohini Sharma, Jitendra Sharma, University Polytecnic, 202011057350, 08.01.2021
- 98 Anti-Insect Drone (With Electromagnetic Wave Radiation), Prof. Diwakar Bharadwaj, Vikas Kumar Shrama, Aditya Goswami, University Polytecnic, 202111000119, 08.01.2021
- 99 A System For Increasing The Efficiency Of Solar Panel With Maximum Power Point Tracking (Mppt) Technique, Deepak Pandey, Divisha Saksena, Rohit Yadav, Sakshi Agrawal, Jitendra Kumar, Electronics & Communication Engineering, 202111000122, 08.01.2021
- 100 Vision-Based Wheelchair System, Shobhit Garg, Kalpit Chaudhary, Nikunja Gupta, Harsh Rai, Sweta, Electronics & Comm. Engineering, 202111000120, 08.01.2021
- 101 High Gain Microstrip Patch Antenna, Devendra Kumar, Asifmoiz, Anubhav Dubey, Manish Mishra, Mohit Kumar Pachaori, Electronics & Communication Engineering, 202111000121, 08.01.2021
- 102 Portable Plant Histological Micro-Section Cutter, Prof. Piyush Singhal, Sonia Singh, Bhupesh C. Semwal, Mechanical Engineering, 202111010387, 26.03.2021
- 103 Methodology Of Chimeric Aggregation On Somatic Co-Culture (A Method Of Culturing Chimeric Embryos Through Aggregation Somatic Co Culture), Juhi Pathak, S. D. Kharचे, Anjana Goel, Bio-Technology, 202111030434, 30.07.2021
- 104 Herbal Formulation For Dermatological Disorders (Dermatitis) In Canines, Anjana Goel, Prof. A.K. Bhatia, Bio-Technology, 202111010452, 26.03.2021
- 105 Application Of Fuzzy Logic Based Mppt Method On Photo Voltaic Panel, Jitendra Kumar, Prof. Vinay Kumar Deolia, Alka Agrawal, Electronics & Comm. Engineering, 202111010386, 26.03.2021
- 106 An Energy Efficient Device Having Hybrid, Eamforming Massive Mimo System, Abhaychaturvedi, P. Bachan, Deepak Mittal, Electronics & Comm. Engineering, 202111010188, 26.03.2021
- 107 Inductorless Lna Using Noise Cancellation For UWB, Manish Kumar, Dheeraj Kalra, Prof. Vishal Goyal, Electronics & Communication Engineering, 202111010187, 26.03.2021
- 108 A Smart Dustbin Container System, Utilizing Arduino, Divesh Kumar, Vinay Kumar Tomar, Shelesh Krishna Saraswat, Electronics & Comm. Engineering, 202111010189, 26.03.2021
- 109 A Smart Traffic Control System, Manish Gupta, Anjan Kumar, Prof. Atul Bansal, Electronics & Comm. Engineering, 202111010190, 26.03.2021

110 Iron Phthalocyanine Supramolecular Engineering For Oxygen Reduction Activity (Iron Phthalocyanine Supramolecular Architecture), Anuj Kumar, Vinod Kumar Vashistha, Dipak Kumar Das, Chemistry, 202111023942, 11.06.2021

111 Light Weight Groove(LWG) Based Cube Mould, Ankur Gupta, Mayank Nigam, Civil Engineering, 202111016308, 16.04.2021

d) Patents GLA University, Mathura with other Institutes:

1 [National Institute Of Technology, Agartala (Tripura)] Efficient Control Of Robotic Manipulator Using Nonlinear Pid Controller, Aditi Saxena, Munesh Chandra Trivedi, Prof. Vishal Goyal, Prof. Vinay Kumar Deolia, Electronics & Comm. Engineering, 202011048140, 26.03.2021

2 [Shristi Machineries Private Limited] Ultrasonic Sanitizing Machine, Vijay Kumar Dwivedi, Vinod Pandey, Rampal Singh, Mechanical Engineering, 202111006552, 12.03.2021

Memorandum of Understanding

- 1 [Biotechnology] Shri Girraj Supari Traders, LLP, Mathura, Corporate, National, July 01,2020, 1 Year
- 2 [Biotechnology] Brijwasi Keshav Milk Product, Mathura, Corporate, National, July 01, 2020, 1 Year
- 3 [Biotechnology] ICAR-National Institute of Plant Biotechnology (NICPB), New Delhi, Institution, National, July 30, 2020, 5 Years
- 4 [Biotechnology], ICAR-National Bureau of Agriculturally Important Microorganism (NBAIM), Kushmaur, Mau, Organization, National, December 16, 2020, 5 Years
- 5 [Biotechnology], Council Of Scientific & Industrial Research (CSIR)- Central Institute of Medicinal And Aromatic Plants, Lucknow, Institution, National, December 22, 2020, 10 Years
- 6 [Civil Engineering], University of Pisa, Italy, University, International, March 25, 2021, 3 Years
- 7 [Computer Engineering & Applications], AppSquadz Software Pvt. Ltd., Noida, Corporate, National, June 25, 2021, 3 Years
- 8 [Computer Engineering & Applications], Ninepages Techsolutions Pvt. Limited, Agra, Corporate, National, June 25, 2021, 3 Year
- 9 [Computer Engineering & Applications] Digitayal Consultancy Private Limited, Gandhinagar, Gujarat, Corporate, National, June 25, 2021, 3 Years
- 10 [Computer Engineering & Applications], i-Diary Solutions Pvt. Limited, Agra, Corporate, National, June 25, 2021, 3 Years
- 11 [Electronics & Communication Engineering], CSIR-Central Electronics Engineering Research Institute, Pilani Institution, National, December 26, 2020, 3 Years
- 12 [Electrical Engineering],Voltrans Energy Pvt. Ltd., Ghaziabad, Corporate, National, February 18, 2021, 3 Years
- 13 [Faculty of Agricultural Science], Agricultural Technology Development Society, Ghaziabad, SocietyNational, June 17, 2021, 3 Years
- 14 [Faculty of Agricultural Science], Hindustan Agricultural Research Society, Agra, Society, National, June 23, 2021, 3 Years
- 15 [Institute of Business management], Bada Business Pvt. Ltd., Delhi, Corporate, National, December 16, 2020, 3 Years
- 16 [Institute of Business management], SV Wealth Partners, Delhi, Corporate, National, September 01, 2020, 1 Year
- 17 [Institute of Business management] Master School Of Management, Meerut, B-School, National, August 27, 2020, 5 Years
- 18 [Institute of Business management], Association for the International Development of Academic and Scientific Collaboration (AIDASCO), Novi Sad, Serbia, Association International, March 26, 2021, 5 Years
- 19 [Institute of Pharmaceutical Research], Shikum Pharmaceutical Pvt Ltd. Sultanpur U.P, Corporate National, May 6, 2021, 5 Years
- 20 [Institute of Pharmaceutical Research], Unozin India Private Limited, Mathura , Corporate, National, January 13, 2021, 3 Years
- 21 [Institute of Legal Studies And Research], Hinxlegal, New Delhi, Institution, National, January 15, 2021, 3 Years
- 22 [Institute of Legal Studies And Research], Independent Thoughts, Noida, Institution, National, January , 5, 2021, 3 Years
- 23 [Mechanical Engineering] National Institute Of Solar Energy (NISE), Faridabad, Institution, National, October, 09, 2020, 5 Years
- 24 [University Polytechnic], Creative Tools, Noida Corporate, National, November 09, 2020, 5 Years

Superannuation

S.No	Name	Photo
1	Pradeep Mishra Director Pharmaceutical Research	 30.04.2021
2	Anand Prakash Professor Faculty of Agricultural Sciences	 31.05.2021

Obituary

S.No	Name	Photo
1	Rajesh Kumar Verma Civil Engineer Construction & Maintenance (Civil) DOD: 20.08.2020	
2	Rajendra Mishra Security Guard Security DOD: 04.10.2020	
3	Anand Prakash Gupta Master Trainer Training & Development DOD: 26.04.2021	
4	Ashok Kumar Finance Officer Account Section DOD: 29.04.2021	
5	Gunjan Bhardwaj Asstt. Professor Computer Engg & Applications DOD: 29.04.2021	
6	Ashish Gupta Asstt. Professor Computer Engg & Applications DOD: 30.04.2021	
7	Shri Govind Prasad Ji Agrawal Member Governing Body DOD: 30.04.2021	
8	Prof. Sabyasachi Sen Gupta Distinguished Professor Electrical Engineering DOD: 26.05.2021	
9	Prof. Manju Rai Distinguished Professor Chemistry DOD: 30.06.2021	

Photo Gallery



Meeting of Governing Body of the held on 1st July 20



1st Meeting of Executive Council held on 27th August, 2020



2nd Meeting of the Executive Council held on 1st Oct 20



3rd Meeting of the Executive Council held on 17th December, 2020



2nd Meeting of Academic Council on 12th Dec 2020



3rd Meeting of the Academic Council held on 29th MAY 2021



Girls Hostel

Girl's hostel in GLA University



Boys Hostel

Boy's hostel in GLA University, Mathura



Medical Staff



Cafeteria



Conference Hall



Glie of Outdoor Games



Glie of Outdoor Games



Glimse of Indoor Games



Gymnasium



Yoga Hall