

INSIDE

SCHOOL OF ENGINEERING & TECHNOLOGY

- Special lecture on “Job Prospects in Atomic Energy Sector”
- Facilitation of Dean SET BY GNIDA
- ‘Innovation Business Transformation Tools’
- “Industry Sponsored Micro-S.U.R.E program”

BIOTECHNOLOGY ENGINEERING

- Faculty Achievements
- Publications
- Webinars
- Departments Achievements
- Students Achievements

CIVIL ENGINEERING

- Vision of the Department
- Mission of the Department
- Workshops/FDPs

COMPUTER SCIENCE AND ENGINEERING

- Departments Achievements
- Industrial Visits
- Star Student Achievements
- Ph.D. Awarded & Faculty Achievements

ELECTRONICS & COMMUNICATION ENGINEERING

ELECTRICAL & ELECTRONICS ENGINEERING

- Department Achievements
- Students Achievements

MECHANICAL & AUTOMOBILE ENGINEERING

- Vision of the Department
- Mission of the Department
- Department Achievements

EDITORIAL TEAM



**SCHOOL OF
ENGINEERING & TECHNOLOGY**

WAVE NEWSLETTER **LENGTH**

ISSUE: JANUARY TO MAY 2020



FROM DEAN'S DESK

“

*The best way to predict **the future** is to
create it.*

”

Dear Readers,

I hope this message finds you in good health.

First of all, I would like to extend my warm wishes to our 2016-20 B.Tech. batch. Congratulations on graduating and wishes for all the success in life. We sincerely hope that your new journey will be full of peace, harmony, success and comfort.

“Engineers like to solve problems. If there are no problems handily available, they will create their own problems” - Scott Adams. In the same essence, our students Mr. Anupam Bhattarai and Mr. Ayush Dhingra won first prize at 24-hour Hackathon which was organized by Unicept (Gurgaon) on 4th February 2020. The given challenge was to “Provide better early childhood education, help college students learn new skills or re-skill people in the workforce. The possibilities are endless”. We are glad and feel proud of this achievement.

During this period of COVID19, I sincerely advice you to stay home and follow the instructions of government.

Take care of yourself and your family.

Dr. Parma Nand

Dean, School of Engineering & Technology



SCHOOL OF ENGINEERING & TECHNOLOGY

Special lecture on “Job Prospects in Atomic Energy Sector”

School of Engineering and Technology (SET) and RTDC, Sharda University had jointly organized a special lecture on “Job Prospects in Atomic Energy Sector” on 15th November, 2019 for the Research scholars, students, and faculty of SET and SBSR.

Objective of Event:

To enlighten students regarding the current scenario of jobs in Atomic Energy and related sectors & To provide students with an opportunity to interact with eminent scientists of BARC, India.

Organizers:

- Prof. Parmanand (Dean SET)
- Prof. H.S. Gaur (Dean SBSR)
- Prof. HSP Rao (Dean Research)

Speakers: F.T. Qureshi, Scientific Officer – G, BARC, Trombay & Shri Sandeep Sharma, Scientific Officer – G, BARC, Trombay, Mumbai

विश्वविद्यालय में परमाणु ऊर्जा क्षेत्र में नौकरी की संभावनाओं पर विशेष व्याख्यान पर कार्यक्रम हुआ आयोजित

बुलन्द संदेश संवाददाता

चेटर मोएडा (खासिद सैफी)। शारदा विश्वविद्यालय के स्कूल ऑफ इंजीनियरिंग एंड टेक्नोलॉजी, स्कूल ऑफ बेसिक साइंस एंड रिसर्च और रिसर्च एंड टेक्नोलॉजी डेवलपमेंट सेंटर द्वारा संयुक्त रूप से विश्वविद्यालय के विज्ञान और इंजीनियरिंग के अंतिम वर्ष के छात्रों के लिए 'परमाणु ऊर्जा क्षेत्र में नौकरी की संभावनाओं पर' विशेष व्याख्यान का आयोजन किया गया। इस व्याख्यान के सम्बोधित करने के लिए भाभा परमाणु अनुसंधान केंद्र (मुंबई) के वैज्ञानिक अधिकारी (जी) के संदीप शर्मा और एफ. टी. कुरेशी मौजूद थे। दोनों वैज्ञानिक अधिकारियों का स्वागत शारदा विश्वविद्यालय के स्कूल ऑफ इंजीनियरिंग एंड टेक्नोलॉजी के डीन प्रोफेसर परमानंद ने किया। व्याख्यान में अन्य संकायों के डीन के साथ-साथ विभाग के सारे अध्यक्ष, अधिकारी और विज्ञान और



इंजीनियरिंग के अंतिम वर्ष के छात्र और छात्राएं उपस्थित थे। स्कूल ऑफ इंजीनियरिंग एंड टेक्नोलॉजी के डीन प्रोफेसर परमानंद ने कहा आज हमारे बीच दो प्रख्यात वैज्ञानिक अधिकारी मौजूद हैं जो छात्रों को परमाणु ऊर्जा और संबंधित क्षेत्रों में



नौकरियों के वर्तमान परिदृश्य के बारे में अवगत कराएंगे। संदीप शर्मा ने राष्ट्र की बढ़ती ऊर्जा मांग को पूरा करने के लिए ऊर्जा मांग, ऊर्जा संरक्षणों के विभिन्न रूपों और परमाणु ऊर्जा के महत्व के बताया। उन्होंने परमाणु ऊर्जा अनुसंधान और बिजली उत्पादन

में इंजीनियरिंग और विज्ञान के विभिन्न विषयों को धुनिगत पर भी प्रकाश डाला। उन्होंने छात्रों को नौकरी से जुड़ते, पदोन्नति के रास्ते और आत्मनिर्भरता प्राप्त करने को वैज्ञानिक और तकनीकी चुनौतियों के बारे में जानकारी दी। श्री कुरेशी ने भाभा परमाणु अनुसंधान केंद्र के ट्रेनिंग स्कूल में प्रशिक्षण स्कूल, प्रवेश परीक्षा और साक्षात्कार प्रक्रिया और वेतन संरचना के लिए आवेदन करने के लिए आवश्यक बुनियादी शैक्षिक योग्यता की जानकारी दी। स्कूल ऑफ इंजीनियरिंग एंड टेक्नोलॉजी के डीन प्रोफेसर परमानंद ने कहा कि दोनों वक्ताओं ने छात्रों को परमाणु ऊर्जा क्षेत्र में नौकरियों के लिए आवेदन करने के लिए प्रोत्साहित किया है और छात्रों के भविष्य के लिए यह व्याख्यान काफी फायदेमंद साबित होगा। कार्यक्रम के अंत में डीन प्रोफेसर परमानंद ने द्वारा वैज्ञानिक अधिकारियों को स्मृति चिह्न देकर सम्मानित किया गया और धन्यवाद ज्ञापन किया गया।

Facilitation of Dean SET BY GNIDA

'Technovation Hackathon 2' (in association with The Greater Noida Industrial Development Authority (GNIDA))

*"Leadership is the capacity to transform vision into reality.
–Warren G. Bennis, founding chairman of the Leadership Institute at the University of Southern California"*

In order to encourage youth to innovate smart projects, The Greater Noida Industrial Development Authority (GNIDA) in association with a Sharda university organised the second edition of 'Technovation Hackathon 2' in order to mark its 29th Foundation Day. The second edition addresses global issues of smart citizen & governance, transportation, smart security,





safety & surveillance, waste management and energy systems. The event witnessed participation from premier institutions and universities across India. More than 200 team comprising of over 650 students who came together with an aim to ideate and create innovative solutions for some of the critical issues faced by the people living in the Greater Noida region. Shri. Deep Chandra, ACEO,

GNIDA was the Chief Guest of the Award Ceremony. The convenor of this event is Dr. Prof. Parma Nand, Dean, SET.

Dr. Prof. Parma Nand, Dean, SET is facilitated for organizing successful event during Winter carnival held on 28th January, 2020 at GNIDA.



#ShardaUniversity organized a 24-hour hackathon titled "Technovation Hackathon" in association with #GNIDA as a part of the Winter Carnival of Greater Noida Industrial Development Authority. Students from colleges all across NCR came together to discover innovative ideas to solve different problems of the society. The themes of this hackathon were #WasteManagement, Security & Surveillance, #SmartTransportation & #TrafficManagement, and #EnergyEfficiency & #GreenEnergy.



'Innovation Business Transformation Tools'

Sharda University had organized a seminar on "Innovation Business Transformation Tools" in collaboration with the Indian Industry Association (IIA), Greater Noida on 13th March 2020 (Friday).

Sharda University has MOU Signed with IIA for collaboration in different areas. Indian Industry Association (IIA) Greater Noida is having more than 350 Industries.

Objectives:

- Interaction of Sharda University faculty members with industry experts.
- How to get Project Consultancy from industry.
- To do student projects in the industry.

Convener Details:

- Prof. (Dr.) Sibaram Khara, Dean Academic Affairs, Sharda University
- Dr. Sushanta Kumar Mandal, Associate Dean Academic Affairs, Sharda University

Coordinator Details: Mr. Raj Nidhi Sharma (Head Industry Interface)- ERP Expert,





Key Speakers:

Speaker - 1 Mr. Anjay Gulia | VP- Marshal Automation Pvt Ltd, Gurgaon

Speaker - 2 Mr. Yadu Yadav | Asstt. Director -NPC-Govt Of India, New Delhi

Speaker - 3 Mr. Raj Nidhi Sharma | Head Industry Interface Sharda University.

“Industry Sponsored Micro-S.U.R.E program”

Sharda University had organized a seminar on “Industry Sponsored Micro-S.U.R.E program” in collaboration with the U.D.Food Pvt Ltd and Encore Capabilities 20th November 2019. Fit India Movement is a nation-wide movement in India to encourage people to remain healthy and fit by including physical activities, sports & healthy eating habits in their daily lives, launched by PM on 29 August 2019.

Dedicated to support “Fit India movement” thru “Nutritious Fortified baked & not fried Snacks”. They are ready to mentor the young buddies to achieve their dreams. Approximately 24 Students wished to become part of this project.

Key Speakers:

Speaker - 1 Mr. Rajesh Kumar Singh CEO | Encore Capabilities

Speaker - 2 Mr. Sanjay Agarwal –CEO | U.D.Food, Ghaziabad, UP

Speaker - 3 Prof. Parmanand | Dean SET –Sharda University.





BIOTECHNOLOGY ENGINEERING

Faculty Achievements

ORAL PRESENTATIONS/WORK

Faculty Name	Achievement
Dr. Garima Chauhan	Oral Presentation entitled, "Therapeutic Potential of Cinnamomum cassia in experimental visceraalleishmaniasis" in 5th Global Outreach Conference on "Modern Approaches in Smart Agriculture" (MASA-2020), Feb 28-29, 2020.
Ms. PriyaTyagi	Oral Prsentation entitled, "Assessment of Tsampa flour and Moringa Oleifera fortified cookies" in 5th Global Outreach Conference on "Modern Approaches in Smart Agriculture" (MASA-2020), Feb 28-29, 2020
Mr. Praveen Yadav	Alumnus, Sharda University and presently Assistant Professor, Sharda University, have been selected for Fully Funded PhD at Sogang University, Seoul, South Korea
Dr. Richa Sharma	Invited by VNMKV, Parbhani, Maharashtra to present in one day webinar on “Enhancing research writing skills of students and scholars : citations management”. Event managed by NAHEP-CAAST-DFSRDA-Funded by The World Bank





NAHEP-CAAST-DFSRDA
Vasantrao Naik Marathwada Krishi Vidyapeeth,
Parbhani (MS)

Organizing one day webinar on
"Enhancing research writing skills of students and
scholars : citations management"

Speakers



Dr. Richa Sharma
Assistant Professor, Department of Biotechnology,
Sharda University, Greater Noida.



Dr. Ram Saran Chaurasiya
Research Scientist
String Bio Pvt. Ltd., Bangalore.



08th May 2020




11:00 AM

Link to join the meeting:
<https://m.teamslink.co/1444600820?pwd=9c5240dca1393aa0d0ef364a77a16f7>

Meeting ID: 1444600820 ; Password : 431402

I'm very interested in the impact of biotechnology on the way people live...

An illustration of a male scientist with brown hair and glasses, wearing a white lab coat over a blue shirt. He is positioned in the center. Surrounding him are various biotechnology-related icons connected by white lines: a molecular structure (top left), a petri dish with a microorganism (middle left), three test tubes with colored liquids (bottom left), a flask with orange liquid (top center), a magnifying glass (top right), a DNA double helix (middle right), and a small grey mouse (middle left).



Publications

- Bireshaw, SS, Damte, SM, Taneja P, Green Synthesized Silver Nano particles: A Promising Anti cancer Agent, International Journal of Nano science, 2020, 1793-5350
- Rohit Satyam, Tulika Bhardwaj, Niraj Kumar Jha, Saurabh Kumar Jha, Parma Nand, Toward a chimeric vaccine against multiple isolates of Mycobacteroides – An integrative approach, Life Sciences, 250, 2020, 117541, IF: 3.5
- Jain, M., Muthukumaran, J., and Singh AK (2020) Structural and Functional characterization of Chitin binding Lectin from Datura stramonium: Insights from Phylogenetic analysis, Protein structure prediction, Molecular docking and Molecular dynamics simulation. J. Biomol. Struct. Dyn. 1-33, 2020 IF: 3.31
- Khan RJ, Jha RK, Amera GM, Jain M, Singh E, Pathak A, Singh RP, Muthukumaran J and Singh AK. Targeting SARS-CoV-2: a systematic drug repurposing approach to identify promising inhibitors against 3C-like proteinase and 2'-O-ribose methyltransferase. J. Biomol. Struct. Dyn. 1–14., 2020, IF: 3.31
- Rao HSP, Gunasundari R, Muthukumaran J. Crystal structure analysis of ethyl 3-(4-chloro-phen-yl)-1,6-dimethyl-4-methyl-sulfanyl-1H-pyrazolo[3,4-b]pyridine-5-carboxyl-ate. Acta Crystallogr E Crystallogr Commun. 76, 443-445. 2020, IF = 0.3.

Webinars

Faculty Name	Workshop or Webinar Title/Dates/Place
Dr. Pankaj Taneja	<p>Online Certification Course on Intellectual Property Rights and Innovation"" 29th April to 1st May, 2020 Conducted by WIPO- Technology and Innovation and Support Centre (TISC) & Patent Information Center (PIC) Karnataka State Council for Science and Technology, IISc Campus, Bengaluru and Cell for IPR Promotion and Management (CIPAM) Department for Promotion of Industry & Internal Trade, Government of India, New Delhi."</p> <p>"Webinar: Career Uplift: Stem Cell & Regenerative Medicine in 21st Century, 23 April, 2020 organised by Department of Biotechnology, Sharda University"</p> <p>Webinar on Healthcare Biotechnologies Licensing Opportunities Organised by Confederation of Indian Industry and Biotechnology Consortium India Limited (BCIL) 6th May, 2020.</p> <p>Webinar on Covid19 effects across the Globe in education Sector Organised by Elets Techno media.</p>
Sachin Teotia	<p>Webinar: Introducing an Advanced and Intuitive Multi-Omics Data Visualisation System for Quick and Efficient Analysis and Discovery, by BGI Genomics, May 6, 11 am EST</p> <p>Webinar: Therapeutic approaches in targetting COVID-19 pandemic: Drug repurposing and vaccination, Dr Vishwas Tripathi, GBU, April 23, 5 pm</p> <p>CRISPR Advanced Certification Course-Biotechnika</p>
Monika Jain	<p>"MOOC: COVID-19: Tackling The Novel CORONAVIRUS from London School of Hygiene & Tropical Medicine and UK Public Health Rapid Support</p> <p>"Webinar: Career Uplift: Stem Cell & Regenerative Medicine in 21st Century"</p>



Vimlendu Bhushan Sinha	Completed 3 weeks MOOC on 'How to teach online: providing continuity for students' "Completed 3 week MOOC on - COVID-19: Tackling The Novel CORONAVIRUS from London School of Hygiene & Tropical Medicine and UK Public Health Rapid Support" Completed 2week MOOC on 'Transforming digital Learning-Learning design meets service design'
Dr. Garima Chauhan & Ms. Priya Tyagi	Attended Bioinformatics workshop on 25 and 26 April, organised by Foresight Biotech Pvt Ltd

Departments Achivements

WEBINARS ORGANISED BY DEPARTMENT

- Online Awareness Programme on Gender Sensitivity and Understanding of Sexual Harassment in University Structure | Department of Biotechnology, SET | 5th May 2020
- Career Uplift: Stem Cell & Regenerative Medicine in 21st Century_23-04-2020
Sharda University has signed MoUs with:

MOU SIGNED

- StemGenn Therapeutics, New Delhi
- Pathfinder Research and Training Foundation, Greater Noida (UP)

Resource person: Dr. Saurabh Kumar Jha, Department of Biotechnology



MoU Sign Between Sharda University and Pathfinder Research and Training Foundation in the presence of Registrar(SU), Dean(SET) & Dr. Pranav Kumar(CEO of PRTF).

Students Achievements

Conference presentations in International Conference on Biotechnology and Applied Microbiology ICBAM 2020 held on February 7th-8th, 2020 at Institute of Applied Medicine and Research, Ghaziabad

- Mulegeta Gudisa Goro, PhD student of Dr. Vimlendu Bhushan Sinha
Title: KNO₃, NaNO₃ and NaSO₃ stress fluctuates the rate of seed germination in Trifolium Alexandrium L., International Conference on Biotechnology and Applied Microbiology ICBAM 2020 held on February 7th-8th, 2020 at Institute of Applied Medicine and Research, Ghaziabad
- Mr. Mikias Wondimu Mulat Ph.D. student of Dr. Vimlendu Bhushan Sinha Title: "In silico Characterization of Dof Transcription Factors from Eragrostis tef depicts evolutionary relationship amongst related species", International Conference on Biotechnology and Applied Microbiology ICBAM 2020 held on February 7th-8th, 2020 at Institute of Applied Medicine and Research, Ghaziabad
- Ms. Paragati Sahai Ph.D. student of Dr. Vimlendu Bhushan Sinha
Title: "Role of plant growth regulators in development of conservation strategies for Himalayan yew (Taxus baccata)" and secured THIRD POSITION amongst the Oral presentation category.
International Conference on Biotechnology and Applied Microbiology ICBAM 2020 held on February 7th-8th, 2020 at Institute of Applied Medicine and Research, Ghaziabad



Rishita Dwivedi has B.Tech. 4th year student, joined as trainee in Benaras Hindu University



Pratiksha Kumari B.Tech. 4th year student has joined as trainee at ICMR (National Institute of Malaria Research)



Ms. Tushita Bishnoi, B.Tech. 4th year student got selected by Lido Learning Pvt. Ltd. through campus placement. The department congratulates and wishes her a successful and bright future.

- Mr. Nitesh Chauhan B.Tech. 4th year student has secured an All India rank of 235 in GATE BT 2020
- Mr. Rajat Kumar Jha B.Tech. 4th year student has secured an All India rank of 656 in GATE BT 2020
- Ms. Ritambhara Singh B.Tech. 4th year student has scored an overall percentile of 89.58 in MAT 2020

AIMA
MAT-Score®
Management Aptitude Test

TEST MONTH & YEAR: FEBRUARY 2020
REGISTRATION NUMBER: 107740
ROLL NUMBER: 107010426
NAME: RITAMBHARA SINGH
GENDER: FEMALE
DATE OF BIRTH: 05/10/1997
CITY: GURGAON
COUNTRY: INDIA
MOTHER'S NAME: SHARAD KUMAR SINGH

DOB: 07 DECEMBER 1997
CATEGORY: 1001 (GEN (CREAM LAYER))
WORK EXPERIENCE: NOT WORKING
MOTHER'S NAME: PANKJ KUMAR

Language Comprehension		Mathematical Skills		Data Analysis & Sufficiency		Intelligence & Critical Reasoning		Indian & Global Environment	
Scored Score	Percentile Rank	Scored Score	Percentile Rank	Scored Score	Percentile Rank	Scored Score	Percentile Rank	Scored Score	Percentile Rank
95.99	100.00	95.16	100.00	97.83	100.00	94.98	100.00	42.27	100.00
Composite Score		Percentile Score		89.58					

SCORE VALID UPTO: FEBRUARY 2021

6:22

appsgate.iitd.ac.in/doL

GATE 2020 Result

Name: MEETU CHAUDHARY

Registration Number: BT2003005231

Gender: Male

Examination Paper: Biotechnology (BT)

Marks out of 100: 39.67

Qualifying Marks: 30.7

GATE Score: 481

6:39 PM | 0.00%

appsgate.iitd.ac.in/doL

GATE 2020 Result

Name: RAJAT KUMAR JHA

Registration Number: BT2003005231

Gender: Male

Examination Paper: Biotechnology (BT)

Marks out of 100: 39.67

Qualifying Marks: 30.7

GATE Score: 481



CIVIL ENGINEERING

Vision of the Department

To become a globally known and recognized destination for technical, innovation, entrepreneurship and research excellence and transfer its achievements for the larger good of the society.

Mission of the Department

- To create facility to integrate research, quality education, ethical values and professional service in the areas related to civil infrastructure and environmental engineering.
- To provide industry and academia with outstanding graduates, entrepreneurs and scholars who advance both engineering practice and fundamental knowledge and play a leadership role.
- To create a centre of higher learning and innovation equipped with befitting infrastructure and faculty to attract the students from across nations to use niche facilities for the societal symbiosis.
- To enrich graduates through experimental learning and motivate them for self-learning to provide solutions to the industry and society.

Workshops/FDPs

- Dr. Gaurav Saini (HoD, CE Dept) has successfully completed a 3-day, 8 hrs online FDP (Apr 1-3, 2020) on Online learning Workshops for faculty.
- Dr. Ankur Mudgal (Assistant Professor, CE Dept) has successfully completed 1 week FDP on "Matlab Applications in Engineering and Science" from 27th April -1st May under TEQIP-III jointly organised by Civil Engineering Dept of Government College of Engineering Karad and Rajkiya Engineering College, Azamgarh.
- Dr. Ankur Mudgal (Assistant Professor, CE Dept) has successfully completed 2 days online FDP on "Sustainable Practices in Engineering" from 20th April-21st April under TQUP-III organised by Rajkiya Engineering College, Azamgarh.
- Dr. Ankur Mudgal (Assistant Professor, CE Dept) has successfully completed 4 days FDPs from 20th - 24th April, 2020 on "Finite Element Methods for Beginners" organised by Chitkara University
- Dr. Ankur Mudgal (Assistant Professor, CE Dept) has successfully completed 4 days FDPs from 24th - 25th April, 2020 on "Utilization of Iron and Steel Slag in Road Construction". Organised by CSIR- CRRI
- Dr. Prasenjit Saha (Assistant Professor, CE Dept) has successfully completed 2 days online FDP on "Sustainable Practices in Engineering" from 20th April-21st April under TQUP-III organised by Rajkiya Engineering College, Azamgarh.
- Ms. Sonam Srivastava (Assistant Professor, CE Dept) has successfully completed 2 days online FDP on "Sustainable Practices in Engineering" from 20th April-21st April under TQUP-III organised by Rajkiya Engineering College, Azamgarh.
- Ms. Sonam Srivastava (Assistant Professor, CE Dept) has successfully completed 4 days FDPs from 20th - 24th April, 2020 on "Finite Element Methods for Beginners" organised by Chitkara University
- Mr. Sunil Saharan (Assistant Professor, CE Dept) has successfully completed 4 days FDPs from 20th - 24th April, 2020 on "Finite Element Methods for Beginners" organised by Chitkara University
- Mr. Nishant Kumar (Assistant Professor, CE Dept) has successfully completed 4 days FDPs from 20th - 24th April, 2020 on "Finite Element Methods for Beginners" organised by Chitkara University



COMPUTER SCIENCE AND ENGINEERING

Department Achivements

Department of Computer Science and Engineering, SET, DSC is organised Hands-on Session "FUN WITH FLUTTER" to provide insight knowledge of app development, widgets, and framework with FLUTTER. This workshop will help in understanding the basics of flutter & dart and why is it important for app development on 15th Feb 2020.. The speaker of the event is Mr. Faizan Akhtar, CSE 4th yr Student (DSC LEAD).

Department of Computer Science and Engineering & I-Nurture SET organised Training/Workshop on Ethical Hacking | 10th February 2020. This Training/Workshop is intended to provide basic abilities necessary to evaluate internal and external safety threats against a network, to create security policies that will safeguard the data of an organization & an individual.

Department of CSE, SET in association with DST, Govt. of India is organised 3 days Entrepreneurship Awareness Camp from 5th to 7th February 2020. The objective of this event is to enhance the capabilities of students in the field of Entrepreneurship

Department of Computer Science & Engineering, SET, conducted a Research Group Expert talk on Innovative Research Seminar on 18th January 2020. It is an attempt to build up research aptitude skills & avenues to which academicians & faculties will be exploring on the new technology of Blockchain, Cryptocurrency, IoT, etc. The speaker is Mr. Yash Sharma-Industry Research Expert.

Department of Computer Science and Engineering, SET, Technical Society (Cyber Pirate) organised Training/Workshop on Cyber Security on 10th January 2020. This Training/Workshop is intended to provide basic abilities necessary to evaluate internal and external safety threats against a network, to create security policies that will safeguard the data of an organization & an individual. The speaker is Mr. Akash Sharma.





Industrial Visits

Industrial Visit to Cisco Networking Industrial visit at Network Bulls, Gurugram, India | SET | 13th and 14th February, 2020. Students will go through in-depth learning of Cisco Networking and how networks work in the real industry. The convenor of the event are Prof. (Dr.) Parma Nand, Dean, SET and Prof. (Dr.) Nitin Rakesh -HoD, CSE.



Star Student Achievements

- A 24-hour Hackathon was organized by Unicept, Gurgaon on 4th February 2020 to build a path breaking solution for Education and Ed Tech sectors with products/tools and apps to enhance learning, pedagogy, & instruction. In this event, Anupam Bhattarai & Ayush Dhingra, from CSE department, won INR 20,000 for the given challenge. The given challenge was "Provide better early childhood education, help college students learn new skills or re-skill people in the workforce. The possibilities are endless".



- Our Technical Society has started Peer to Peer session for students at Mandela hostel. Peer to peer learning class :: In this class, the students teach and learn from each other. One can watch their comprehension increase as they put course concepts into their own words and relay their understanding to classmates/junior/senior in a collaborative, reciprocal learning environment. There are 5 instructors & 22 students who are taking classes every week. Class 1: Anupam Bhattarai(Web development & Game designing) Class 2: Nitesh J. Singh (Sensors and IoT) Class 3: Srishti Singh and Prashant Singh (Machine Learning) Class 4: Kunwar Vareesh Ahmed (Cyber Security)





Ph.D. Awarded & Faculty Achievements

Dr. Latha Banda has successfully defended her PhD degree on "Improve the quality of the Recommended System Using Collaborative Tagging" on 19 February 2020 from JNU.

Dr. Amrita has successfully defended her Ph.D. degree on "An Intelligent Ensemble Based System for Detecting and Combatting Intrusion in Computer Network" on 9th December 2019 from Sharda University.

Dr. Mayank Goyal has successfully defended his PhD degree on "Reduction of Forwarding nodes to reduce effect of broadcast storm problem using network coding", on 21 December, 2019 under the supervision of Prof. (Dr.) Satya Prakash Ghera and Prof. (Dr.) JP Gupta from Jaypee University of Information Technology.



Mr. Amit Upadhyay and Mr. Sunil of Department of Computer Science and Technology, SET are giving Classes for Gate preparation to second year and third year students on all Saturdays.

Department of Computer Science Engineering Department celebrated Holi on 7th March, 2020 with great enthusiasm and zeal.



*To me, mathematics, computer science, and the arts are insanely related.
They're all creative expressions.*





ELECTRONICS & COMMUNICATION ENG., ELECTRICAL & ELECTRONICS ENG.

Department Achievements

Department of Electronics and Communication Engineering had organized following webinar, (Organized by Dr. Rashmi Priyadarshini)

- **Topic:** Career aspects in Electronics and Communication Engineering on 12th May 2020.
Speaker: Mr. Chintan Dosi, Premier Field Engineer, Microsoft, Hyderabad
Moderator: Dr. Rashmi Priyadarshini, Associate Professor, Dept. of Electronics and Communication Engineering and
Convenor: Prof. Parma Nand, Dean, School of Engineering and Technology
- **Topic:** Latest Technologies and Career Aspects in The Field of Electronics on 16th May 2020.
Speaker: Mr. Prashant Pandey, Technical Head, STMicroelectronics
Moderator: Dr. Rashmi Priyadarshini, Associate Professor, Dept. of Electronics and Communication Engineering
Convenor: Prof. Parma Nand, Dean, School of Engineering and Technology

Faculty Name	Achievement
Dr. Sushanta K. Manda	Publication: Harish Chandra Mohanta, Abbas Z. Kouzani, Sushanta K. Mandal, "Compact Frequency Reconfigurable Metasurface Antenna", Indian Journal of Natural Sciences, Vol. 59, Issue 10, pp 18352-18359, April 2020. FDP: "Online Learning Workshop for Faculty: Preparing for Online Learning; Engaging for Online Learning; Evaluating and Assessing Students for Online Learning" April 1-3, 2020, organized by QASPIR, UK in collaboration with Association of Indian Universities.
Dr. Rashmi Priyadarshini	FDP: Online Training on Internet of Things organized by MSME Technology Development Centre from 30/04/2020 to 02/05/2020
Mr. Sandeep Singh	Publication: Sandeep Kr. Singh, Tripurari Sharan, Arvind Kr. Singh, "Characterization of Broadband Antenna Based on FR-4 Substrate Material," Materials today: Proceedings (Science Direct), vol.12 (3), pp.628-635, 2019, DOI: https://doi.org/10.1016/j.matpr.2019.03.107 . 2. Sandeep Kr. Singh, Tripurari Sharan, Arvind Kr. Singh, "Compact Multi-band Rectangular Microstrip Antenna for UWB Applications," IOP Conference Series: Materials Science and Engineering, 594 (2019) 012028, https://doi.org/10.1088/1757-899X/594/1/012028 3. Sandeep Kr. Singh, Tripurari Sharan, Arvind Kr. Singh, "A comparative performance analysis of various shapes and substrate materials loaded coplanar waveguide-fed antennas," Materials today: Proceedings (Science Direct), 4th April 2020, ISSN 2214-7853, http://www.ScienceDirect.com/science/article/pii/S2214785320319131



Faculty Name	Achievement
Ms. Usha Tiwari	<p>Publications: "Bandwidth and Gain Enhancement of Rectangular Microstrip Patch Antenna (RMPA) Using Slotted Array Technique" in Wireless Pers Communication by Springer, April (2020). https://doi.org/10.1007/s11277-020-07388-x (SCIE Journal)</p> <p>FDP/Webinars attended: Attended a three days Online training on "Internet of Things (IoT)- Home Automation" by Ministry of MSME, from 30th April to 2nd May 2020. Attended V&D Webinar on Re-building Business after COVID-19 on 27th April 2020. Attended Three Days Free Webinar Series on "ELECTRIC SOLAR VEHICLE PROJECT" from 17th to 19th April 2020.</p>
Dr. Shailendra Tripathi	<p>FDP/Webinars attended:</p> <ul style="list-style-type: none"> • IPR & Technology Transfer: Intellectual Property (IP) Management at Early Stage of Innovation and Start-ups: 7th May 2020, Time 03.00 PM to 04.00 PM • Entrepreneurship, Business Idea & Business Model Canavas, 05/05/2020 at 3:00 PM to 4:00 PM
Ms. Shaheen Naz	

Students Achivements

Harshit Pandey, Deepu Jha and Vishant Yadav of final year B.Tech. EEE had won the first prize in student project contest organized by COMPUTER SOCIETY OF INDIA on 4th January, 2020. Their project is over the renewable energy source which is Smart solar grass cutter with 2 modes.



appgate.iitd.ac.in

GATE 2020 Report

Name: PIYUSH ANAND

Registration Number: EC20S43005209

Gender: Male

Examination Paper: Electronics and Communication Engineering (EC)

Sections:

Marks out of 100: 48.67

All India Rank in this paper: 2193

Qualifying Marks: 28.825.9

GATE Score: 592

19.2

appgate.iitd.ac.in/doLogin

Name: PAWANDEEP SINGH

Registration Number: EC20S43005388

Gender: Male

Examination Paper: Electronics and Communication Engineering (EC)

Sections:

Marks out of 100: 39.67

All India Rank in this paper: 5009

Qualifying Marks: 28.825.9

GATE Score: 482

19.2

Pawan deep singh and Piyush final year students had qualified Gate 2020.



MECHANICAL & AUTOMOBILE ENGINEERING

Vision of the Department

To be a Centre of learning for preparing professional mechanical engineers, having passion for innovation, entrepreneurship and research, to provide a sustainable solution to the needs of the society.

Mission of the Department

- To offer a curriculum that prepares students with knowledge, skills and ethical values for exploring professional practices.
- To train students in to global leaders through industry driven and research oriented teaching-learning pedagogy.
- To groom students into globally competent professionals and entrepreneurs, who are sensitive to the issues of environment, energy, and emergent needs of the society.
- To equip students with necessary skills to contribute innovatively in creating Knowledge through higher learning.

Department Achievements

- Department of Mechanical Engineering, School of Engineering & Technology organized an expert lecture on Computational Fluid Dynamics (CFD) by Dr. Salim Mohamed Salim on 16th January, 2020.

Objective of the Event:

The lecture will cover the vast applications of CFD in the various engineering disciplines and how CFD fits into the engineering design process including the fundamental sciences: maths and physics. The lecture will also cover Computational Fluid Dynamics: Urban Airflow and Pollution Modelling touching on the impacts, methods of investigations



and existing measurement challenges of air pollution in cities. This lecture will give the opportunity to the students to learn the advantages of employing the CFD technique and its application in various areas.

Speaker: Dr. Salim Mohamed Salim, Associate Professor in Engineering Director of International Partnership, Swansea University Bay Campus SA1 8EN, United Kingdom.

Convener Details:

- Prof (Dr.) Parma Nand (Dean, SET)
- Prof (Dr.) Bhim Singh (HOD, Mechanical Engineering Dept.)

Co-Ordinator Details: Ms. Akanksha Mishra (Assistant Professor, Mechanical Engineering Dept.) **Mobile:** 8375955474
Mr. Shibamay Mitra, ME



SCHOOL OF ENGINEERING & TECHNOLOGY

WAVE NEWSLETTER LENGTH

ISSUE: JANUARY TO MAY 2020

- Department of Mechanical Engineering, School of Engineering & Technology organized a seminar on Best Career Options & Career Planning by Mr. Anant Kumar Sahu on 31st Janury, 2020.

Agenda of Event:

Agenda of the event is to spread awareness among students for their career options after graduation such as:

- Importance of career planning,
- Traditional versus offbeat career option,
- Job avenues and future scope in various sectors,
- Important entrance exams

Speaker: Mr. Anant Kumar Sahu, Centre Director, T.I.M.E. Greater Noida.

Convener: Dr. Bhim Singh (HOD, ME)

Coordinator: Ms. Akanksha Mishra (Assistant Professor, ME Dept.)



- Students of Mechanical Engineering participated in Inter College One Day Cricket Tournament organized by AMERICAN SOCIETY OF HEATING, REFRIGERATION & AIR-CONDITIONING ENGINEERS (ASHRAE) INDIA CHAPTER, in Memory of Dr. Prem Jain during HARIT PREM BHARAT MAHOTSAV.

Coordinator: Ms. Akanksha Mishra (ASHRAE Faculty Advisor)

Date: 25th January-2020 (Saturday)

Venue: PGDAV College, Ring Road, Nehru Nagar, New Delhi - 110065

Time: 9.00am Onwards



- International Engineering Sourcing Show (IESS) held at Coimbatore from 5th March to 7th March, 2020.) Students of Mechanical Engineering, School of Engineering and Technology, Sharda University Greater Noida Participated in the International Engineering Sourcing Show (IESS) held at Coimbatore from 5th March to 7th March, 2020.). IESS is the largest exhibition in the country of engineering products, innovation and services to showcase the latest technologies and a preferred meeting place for global buyers and sellers. More than 20 international companies, more the 400 Indian companies and leading Educational institutes participated and showcased their products and services. This show is also important to encourage foreign investments in line with the newly-initiated Make in India campaign by the Government of India. The Electric Bikes made by Sharda students were center of attraction



SCHOOL OF ENGINEERING & TECHNOLOGY

WAVE NEWSLETTER LENGTH

ISSUE: JANUARY TO MAY 2020

for all the participating organizations and visitors. The visitors were amazed to see the design aesthetics of Electric bikes and many of them offered to purchase and asked about the showroom where they can get it. The local Ex. MLA Mr. S.P. Velumani also visited at the Sharda University stall and motivated the students and their mentor by assuring help for commercially launching these bikes. Many Organizations showed their interest to Collaborate with Sharda University and associate with innovative students. Uniqueness of the bikes designed by Sharda University.





- Mr. Nitesh Kumar published a paper on Numerical investigation on transverse vibration responses of non-uniform composite plates on Materials Today Proceedings March, 2020.
- Mr. Shibamay Mitra and Mr. R.S. Ojha presented a paper on Inventory Control Analysis of an Electric Multiple Unit. On Flex V, 2020 in Manipal University, Jaipur on 6th March, 2020.
- Dr. Bhim Singh has published a paper " Multifunctional and fluorine free superhydrophobic composite coating based on PDMS modified MWCNTs/ZnO with self-cleaning, oil water separation, and flame retardant properties." in Colloids and Surfaces A: Physicochemical and Engineering Aspects, Volume 597, 2020, 124776.
- Dr. Ananda Babu has published a paper " Comparison of shear rigidity of Epoxy and Vinyl Ester Reinforced Hybrid honeycomb core. " in Materials Today Proceedings, Volume/Issue 22P4, 2020 pp.2378-2385.
- Students of Mechanical Engineering Department showcased their talent in Auto Expo, 2020 by designing an Electric Hybrid Two Wheeler Vehicle. The design and the model attracted lot of attention and appreciation from the visiting peers of Automotive Industry as well as all other visitors.



- Students of Mechanical Engineering Department participated in SAE, Baja, 2020 in Chitkara University and won an award of Rs.60,000/- as Best acceleration award.





**SCHOOL OF
ENGINEERING & TECHNOLOGY**

WAVE NEWSLETTER **LENGTH**

ISSUE: JANUARY TO MAY 2020



- Students of Mechanical Engineering Department has featured in the Cover Page of India Today Magazine for their innovative design Smart Electric Two Wheeler Vehicle

CHIEF EDITORIAL TEAM

Dr. Parmanand, SUSET, Professor & Dean, SET | **Ms. Manisha Rajoriya**, SUSET, Asstt. Professor, ECE Deptt

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Ms. Ritu Dewan, CSE, Computer Co-ordinator
Mr. Shibamay Mitra, ME, Mechanical Co-ordinator
Dr. Richa Sharma, BioTech Co-ordinator
Ms. Sukalpaa Chaki, Civil Co-ordinator