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CRESCENT

Department of
Mechanical
Engineering

Volume V, Issue II

July 2019 to Dec 2019
Annual Newsletter

www.abes.ac.in

Message from Director

Prof. Shailesh Tiwari



It gives me immense happiness to release Volume V Issue II of “ME -CRESCENT”. It was quite inspiring to watch and witness the potential of our student's achievements at various stages. We always believe that “Hard work has no shortcuts”. Here, in ABESEC, we continuously strive for excellence. We develop an ecosystem where each and every human being is motivated to align towards their goal. I must say that a student must be focused and alert to achieve his/her target. He/ She must know “More from less” strategy to bring out best of available resources. All the geniuses have one thing common that they are always in “Learning Mode”, the same is applicable on student as well. Once the students develop the thinking or attitude of this level then even failure becomes learning to them and they fall under category of “bound to succeed”. Best wishes and blessing to ABESEC-ME -Team. Congratulations to the editorial team for their determined efforts in bringing out this newsletter.



Message from HOD

Prof. R.K. Shukla

CRESCENT broadcasts the information of ABES Engineering College and showcases the hidden talents of the students, faculty and staff. It encloses the activities such as FDP, conferences attended and paper published in International and National journals by faculty members and competitions won by the students and innovative projects carried out by them. I, take this opportunity to thank all the stakeholders for showing interest and continuous support. I extend my best wishes to all students in their chosen career path and I am sure the college will scale up to greater heights in the years to come and serve many more in the society.



Message from Editor

Mr. Shailendra Pratap Singh

Associate Prof. (ME)

Making connections between education and innovation is the prime objective of the engineering curriculum. Engineers are there to build technologies, but the nature of technology is to destroy certain types of jobs. Huge challenges are out there on the horizon, challenges like the rising of intelligence machines, IoT, Industry 4.0, artificial intelligence, big data, machine learning, and robotics. The rise of technologies not only going to impact mathematical and repetitive operations, but they will also destroy many jobs. Sooner than later, young students who need jobs have to create jobs hence they need to prepare themselves for future challenges. And the solution lies in the exponential change to create a new set of skills, a new set of opportunities, and a new set of jobs. Applied research is one such arena, where we talk about quality, creativity, and relevance. And when it comes to relevance we mean research outputs must translate in terms of publication, building a technology, connections with startups, industry, and market. To achieve this at the department level, we need a very good innovation ecosystem. The innovation ecosystem is like a chain of many links, links like pre-incubation activities, creating opportunities, mentoring students, faculty support systems, prototyping, and startups. The department has a very good reputation for nurturing students and supporting faculty members to build such an innovation ecosystem. Our 'Crescent' is a very good platform to highlight the many facets of this ecosystem. The purpose of this newsletter is to inspire to unlock and tap the hidden potential within all stakeholders. I want to extend my sincere thanks to my editorial team for their support to make this newsletter stand out.



Vision

To create globally competent mechanical engineers capable of working in an interdisciplinary environment, contributing to society through innovation, entrepreneurship and leadership.

Mission

- M1: To provide excellent teaching learning environment.
- M2: To create supportive surroundings for innovative research, and develop capabilities to analyze interdisciplinary engineering problems.
- M3: To inculcate ethical values and leadership qualities to produce successful professionals.
- M4: To promote Industry-Institute relationship.

Program Educational Objectives (PEOs)

PEO1: To apply basic science and engineering knowledge, critical thinking across the disciplines and emerging areas of mechanical engineering for higher studies, research and employability to handle real life problems.

PEO2: To inculcate communication skills, ethical conduct and understand legal and cultural aspects to serve the society.

PEO3: To develop managerial skills, team spirit, leadership qualities and engage in lifelong learning for a successful professional career.

PEO4: To strengthen their ability to adopt technological changes for developing innovative and sustainable solutions considering health, safety and environmental aspects.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

Mechanical Engineering Program at ABESEC will be able to:

PSO1: Empower students to apply their practical skills and knowledge in major streams such as thermal, design, manufacturing and industrial engineering.

PSO2: Prepare students for building their career in different industries or pursue higher studies in mechanical engineering and able to solve interdisciplinary problems along with values and professional ethics.

PROGRAMME OUTCOMES (POs) (by NBA)

PO1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and

engineering sciences.

PO3: Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6: The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11: Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.



Research Publication 2019-20

- ❖ Mr. Naveen Kumar, Syed Fozail Ahmad, (2019), "A Comparative Overview on the Horizontal Axis and the Vertical Axis wind Turbines", International Journal of Trend in Scientific Research and Development (IJTSRD), Volume 4 Issue 1, e-ISSN: 2456 – 6470.
- ❖ Mr. Naveen Kumar, Udit Singhal, (2019), "A Review Paper on Fin Efficiency Enhancement", International Journal of Trend in Scientific Research and Development (IJTSRD), Volume 4 Issue 1, e-ISSN: 2456 – 6470.
- ❖ Pranav Upadhyay, Mrinal Deep, Aryan Dwivedi, Ashutosh Agarwal, Dr. Pikeshe Bansal, Mr. Pradeep Sharma, (2019), "Design and Analysis of Double Wishbone Suspension System", International Conference on Mechanical and Energy Technologies (ICMET 2019).
- ❖ Mr. Ankur Dixit, Abhishek Srivastava, Anmol, Akash Gupta, Nishant Garg, Rajiv Chaudhary, (2019), "Emission & Performance Analysis of Producer Gas in IC Engine Fuel: A Technical Review", IOP Conference Series: Materials Science and Engineering, 691.
- ❖ Dr. Manish Saraswat, Mr. Ankur Dixit, Dr. Rajendra Kumar Shukla, (2019), "Emission & Performance Analysis of Green Gas in a VCR engine", Journal of Scientific & Industrial Research, Volume- 78(09), 0975-1084 (Online); 0022-4456 (Print) PP 634-638.
- ❖ Mr. Abhishek Kumar Goel, Dr. Manish Saraswat, Akhil, Ashish, Nathi Ram Chauhan, (2019), "Energy & Performance Analysis of a New Solar Dryer", IOP Conference Series: Materials Science and Engineering, 691.
- ❖ Dr. Manish Saraswat, Monika Garg, Mehul Bhardwaj, Mridul Mehrotra, Ritik Singhal, (2019), "Impact of Variables Affecting Biogas Production from Biomass", IOP Conference Series: Materials Science and Engineering, 691.
- ❖ Mr. Abhishek Kumar Goel, S. N. Singh, (2019), "Influence of Fin Density on the Performance of an impinging Jet with Fins Type Solar Air Heater", Springer Netherlands, Volume 22, Issue 6, 5873-5886.
- ❖ Pranav Upadhyay, Sachin Kumar Sharma, Gautam Kumar, Dr. Pikeshe Bansal, Mr. Pradeep Sharma, (2019), "Optimization of Chassis for a Solar Powered Vehicle", International Conference on Mechanical and Energy Technologies (ICMET 2019).
- ❖ Dr. Manish Saraswat, Mr. Ankur Dixit, Mr. Abhishek Kumar Goel, Nathi Ram Chauhan, (2019), "Performance & Emission Evaluation of Butanol Blends in SI engine", IOP Conference Series: Materials Science and Engineering, 691.
- ❖ Ritesh Chaurasiya, Paras Chamoli, Sufiyan Ahmed, Vishant Vashisth, Dr. Dharmendra Singh, (2019), "PVC Water Tank & Slurry Cleaning Machine", IOP Conference Series: Materials Science and Engineering, 691.
- ❖ Dr. Ravi Shankar Raman, Yadavalli Basavaraj, (2019), "Quality Improvement of Capacitors through Fishbone and Pareto Techniques", International Journal of Recent Technology and Engineering (IJRTE), Volume-8 Issue-2, ISSN: 2277-3878.
- ❖ Mr. Naveen Kumar, Suryansh Mishra, (2019), "Review on Four Wheel Steering System", International Journal for Scientific Research & Development, Volume 7, Issue 09, ISSN (online): 2321-0613.



NPTEL CERTIFICATES

S.No.	Faculty Name	Course Name	Duration	Certificate Type
1	Mr. Mohit Bansal	Designing Learner-Centric MOOC	Jul-Sep 2019	Elite
2	Dr. Yogesh Chandra	Steam Power Engineering	Jul-Nov 2019	Elite
3	Dr. Rahul Saini	Fundamentals of Surface Engineering Mechanisms Processes and Characterizations	Jul-Nov 2019	Elite
4	Mr. Shailendra Pratap Singh	Fluid Mechanics	Jul-Nov 2019	Elite
5	Dr. Anuj Kumar Jain	Numerical methods	Jul-Nov 2019	Elite
6	Mr. Shivam Sharma	Introduction to Research	Jul-Nov 2019	Elite
7	Mr. Mohit Bansal	Accreditation and Outcome based Learning	Jul-Nov 2019	Elite
8	Mr. Shailendra Pratap Singh	Heat Transfer	Jul-Nov 2019	Elite + Gold
9	Mr. Shailendra Pratap Singh	Fundamentals of Conduction and Radiation	Jul-Nov 2019	Elite + Gold
10	Mr. Naveen Kumar	Fundamentals of manufacturing processes	Jul-Nov 2019	Elite + Gold
11	Mr. Mohit Bansal	Refrigeration and air-conditioning	Jul-Sep 2019	Elite + Silver
12	Dr. Yogesh Chandra	Designing Learner-Centric MOOCs	Jul-Sep 2019	Elite + Silver
13	Mr. Rahul Verma	Structural Analysis of Nano-materials	Jul-Sep 2019	Elite + Silver
14	Mr. Ankur Dixit	Bioenergy	Jul-Sep 2019	Elite + Silver
15	Mr. Rahul Verma	Python for Data Science	Jul-Nov 2019	Elite + Silver
16	Dr. Anuj Kumar Jain	Accreditation and Outcome based Learning	Jul-Nov 2019	Elite + Silver
17	Dr. Yogesh Chandra	Accreditation and Outcome based Learning	Jul-Nov 2019	Elite + Silver
18	Mr. Rahul Verma	The Joy of Computing using Python	Jul-Nov 2019	Elite + Silver
19	Mr. Manabendra Saha	Welding Metallurgy	Jul-Nov 2019	Successfully Completed
20	Mr. Shivam Sharma	Accreditation and Outcome based Learning	Jul-Nov 2019	Successfully Completed



Patents (July-Dec 2019-20)

S.No.	Applicant name	Application No.	Date of filing	Inventors Name	Product Name	Status
1	ABESEC Ghaziabad	201911054626	31.12.2019	1. Ravi Shankar Raman 2. Dinesh Pathariya 3. Girish Pandey 4. Mayank Bisht	DUSTBIN FOR DISPOSING PAPER AND PLASTIC WASTE PRODUCTS	Published/ 17072020
2	NewGen, IEDC, GLA UNIVERSITY, MATHURA	201911052868	19.12.2019	1. Kamal Sharma 2. Debonik Roy 3. Vishal Goyal 4. Manish Saraswat 5. Nitin Kukreja 6. Himanshu Baghel 7. Toshit Jain 8. Mudit Sehgal 9. Shrey Saraswat	UNDERWATER ROBOTIC VEHICLE	Published
3	NewGen, IEDC, GLA UNIVERSITY, MATHURA	201911052366	17.12.2019	1. Kamal Sharma 2. Toshit Jain 3. Nitin Kukreja 4. Manish Saraswat 5. Aman Upadhyay 6. Vijay Dwivedi 7. Manoj Kumar	WEIGHT-AUTOMATIC-KEY	Published
4	NewGen, IEDC, GLA UNIVERSITY, MATHURA	201911052233	17.12.2019	1. Kamal Sharma 2. Debonik Roy 3. Toshit Jain 4. Vishal Goyal 5. Manish Saraswat 6. Nitin Kukreja 7. Abhinav Bansal 8. Abhinav Mishra 9. Ram Chandra Dixit 10. Bhuvnesh Gautam	FIRE FIGHTING ROBOT	Published
5	ABESEC Ghaziabad	201911046548	15.11.2019	1. Ms. Gaganpreet Kaur 2. Mr. Navendra Pratap Singh 3. Aditya Agarwal	IOT based smart irrigation system operated through mobile	Published/ 17-07-2020
6	ABESEC Ghaziabad	322246001	11.07.2019	1. Dr. Rahul Saini 2. Ms. Gaganpreet Kaur 3. Mr. Dinesh Patharia	Portable Agriculture Waste Shredder	Granted/ 21-08-2020
7	ABESEC Ghaziabad	322877001	23.10.2019	1. Dr. Rahul Saini 2. Mr. Dinesh Patharia	Multi-operational Machine Model	FER Submit-ted
8	ABESEC Ghaziabad	201911039417	30.09.2019	1. Dr. Rahul Saini 2. Mr. Naveen Kumar	A Process for fault diagnosis and removal of casting defects in copper alloy fancy faucets	Published/ 17-07-2020
9	ABESEC Ghaziabad	201911037944	20.09.2019	Dr. Dharmendra Singh	Brooming Device	Published/ 17-07-2020



FDP Attended

- ❖ Mr. Manish Mangal, Mr. Ankur Dixit and Mr. Saurabh attended MDP on “Design Thinking for Strategy and Innovation” at IIM Lucknow from 6.09.2019 to 8.09.2019.
- ❖ Mr. Neeraj Kumar Sharma, Mr. Animesh Kumar, Mr. Shivam Sharma, Mr. Mayank Kushwaha and Mr. Vijay Kumar Gupta attended MDP on “Coaching and Mentoring for Effective Leadership” at IIM Lucknow from 13.9.2019 to 15.09.2019.
- ❖ Mr. Shailendra Pratap Singh & Mr. Mohit Bansal attended FDP on “Advance Internal Combustion Engines” at IEC Engineering College from 03.12.19 to 14.12.19.

Guest Lectures

- ❖ A Guest lecture was conducted for the students on 1st Aug 2019 on the topic, “**Latest trends in Industry 4.0 in Automobile Sector: Future trends Students should follow to Succeed in Industry**”. This lecture was delivered by Mr. Sandeep Choudhary, MD, Benteler Pune.
- ❖ A Guest lecture was conducted for the students on 10th Aug 2019 on the topic, “**Design and Development of Diesel Engines**”. This lecture was delivered by Mr. Manoj Kusumba, General Manager and Head of the Department, Diesel Engine.
- ❖ A Guest lecture was conducted for the students on 14th Sept 2019 on the topic, “**Electrical Vehicle and its Financial Analysis in Indian Scenario**”. This lecture was delivered by Mr. Naveen Agarwal, Sr. Research Officer, Energy and Finance Department of Great Lake Institute.
- ❖ A Guest lecture was conducted for the students on 28th Sept 2019 on the topic, “**Electric Vehicles and its Financial Analysis in Indian Scenario**”. This lecture was delivered by Mr. Avnish Kumar Singh, Manager, Quality Assurance of Ambika Steels.
- ❖ A Guest lecture was conducted for the students on 18th Oct 2019 on the topic, “**Career Options for Mechanical Students in HVAC & R**”. This lecture

was delivered by Mr. Ashish Gupta, Director, Standard Refrigeration Pvt. Ltd.

- ❖ A Guest lecture was conducted for the students on 5th Nov 2019 on the topic, “**Sustainable Manufacturing**”. This lecture was delivered by Prof. (Dr.) G.S. Dangayach, Professor and Dean (R & C), MNIT Jaipur.

Grants received for FDP/STTP/Conference

- ❖ Fabrication and numerical study of self-healing smart polymer composites under Collaborative Research and Innovation Program (CRIP) funding through TEQIP-III of AKTU for 2019-20. PI: Dr. Anuj Kumar Jain, ABESEC, Co-PI: Dr. Pikesh Bansal, ABESEC & Dr. Rajeev Kumar, Amount Sanctioned: Rs. 3 Lakh. Project duration: One year.
- ❖ Development of new composite bricks for commercial purpose under Collaborative Research and Innovation Program (CRIP) funding through TEQIP-III of AKTU for 2019-20. PI: Dr. Vishwa Ratan Mishra, Co-PI: Mr. Ranjeet Kumar Singh & Dr. Dharmendra Singh, ABESEC. Amount sanctioned: Rs. 3 Lakh. Project duration: One year.
- ❖ Design and fabrication of screw turbine generator for waste water power generation from multiplex buildings under Collaborative Research and Innovation Program (CRIP) funding through TEQIP-III of AKTU for 2019-20. PI: Dr. Rajeev Kumar, Co-PI: Dr. Anuj Kumar Jain, ABESEC. Amount sanctioned: Rs. 3 Lakh. Project duration: One year.
- ❖ To organize and conduct multiple online STTP on “Finite Element Analysis Using ANSYS”, AICTE released the grant of Rs. 279000 under AQIS 2018-19 to ABESEC. STTP Coordinator: Prof. (Dr.) Dharmendra Singh.
- ❖ To organize conference titled “**International Conference on Futuristic Innovations in Technology and Engineering (FITE)**” in online mode under the scheme Grant for Organizing Conference, Rs. 5 Lakh was sanctioned & released to ABESEC in the month of Dec, 2019. Coordinator: Prof. (Dr.) R. K. Shukla, (HoD, ME).



Staff Capability Development

- ❖ Mr. Vinod Sharma, Mr. Dinesh Patharia, Jai Prakash Singh, Mr. Vineet Sinha, Mr. Harish Kumar and Mr. Ravinder Singh had attended e-learning capability development course offered by Tata Steel on “Measuring Instruments” on 24 April, 2020.
- ❖ Mr. Dinesh Patharia had attended online FDP on “IoT in Manufacturing” from 18-22 Nov, 2019 organized by NITTTR Chandigarh.

Industry-Academia Connection: Industrial Visits

- ❖ An industrial visit was organized to visit SPACECHEM Group, Ghaziabad for 2nd year students on 28th Sept 2019. Total 48 students along with 2 faculty members, Mr. Mayank Kushwaha and Mr. Sharad Bhardwaj and 2 lab staffs, Mr. Jai Prakash Singh and Mr. Vivek Kumar had gone for this industrial visit.
- ❖ An industrial visit was organized to visit Ashoka Machine Tools Corporation, Greater Noida for 3rd year students on 4th Oct 2019. Total 47 students along with 2 faculty members, Mr. Rahul Verma and Mr. Shailendra Pratap Singh had gone for this industrial visit.
- ❖ An industrial visit was organized to visit Chilla Hydro Power Plant, Haridwar, Uttarakhand for 2nd year students on 15th Nov 2019. Total 42 students along with 2 faculty members, Mr. Navendra Pratap Singh and Mr. Anoop Pandey and 1 lab staffs, Mr. Sunil Kumar had gone for this industrial visit.



Industrial Visit:
SPACECHEM Group, Ghaziabad



Industrial Visit: Ashoka Machine Tools Corporation, Greater Noida



STUDENT ACHIEVEMENT SECTION

NPTEL CERTIFICATIONS

S. No.	Course Name	Student's Name	College Roll no	Score From Assignment	Unproctored programming exam score out of 25	Exam Score	Final Score	Certificate Type
1	Manufacturing Automation	PRANAV UPADHYAY	1603240105	12.33	NA	58.5	71	Elite
2	Fluid Machines - Online	MOHIT GOSWAMI	1603240087	21.04	NA	43.5	65	Elite
3	Computer numerical control CNC of machine tools and processes - Online	SACHIN KUMAR SHARMA	1603240132	18.33	NA	42	60	Elite
4	Operations Research	JATIN MAHATO	2016bme2008	22.42	NA	58.5	81	Elite+Silver
5	Computer numerical control CNC of machine tools and processes - Online	GAUTAM KUMAR	1603240058	18.33	NA	56.25	75	Elite+Silver
6	Manufacturing Systems Technology Part I and II - Online	JATIN MAHATO	2016bme2008	20.38	NA	37.5	58	Successfully completed
7	Computer numerical control CNC of machine tools and processes - Online	JATIN MAHATO	2016bme2008	17.5	NA	39.75	57	Successfully completed
8	Computer numerical control CNC of machine tools and processes - Online	PRANAV UPADHYAY	1603240105	16.67	NA	35.25	52	Successfully completed
9	Problem Solving through Programming in C - Online	VIVEK TYAGI	1603240172	23.74	NA	43.5	67	Elite
10	Calculus of One Real Variable	ANKIT KUMAR PAL	1603240025	20.42	NA	56.63	77	Elite+Silver
11	Marketing research and analysis - Online	ABHIJEET SRIVASTAVA	1603240002	16.67	NA	58	75	Elite+Silver
12	Problem Solving through Programming in C - Online	PRANAV UPADHYAY	1603240105	22.79	NA	35.25	58	Successfully completed
13	Innovation Business Models and Entrepreneurship - Online	SHUBHAM SAXENA	1603240154	12.5	NA	36	49	Successfully completed



S. No.	Course Name	Student's Name	College Roll no	Score From Assignment	Unproctored programming exam score out of 25	Exam Score	Final Score	Certificate Type
14	Fundamentals of manufacturing processes - Online	RAHUL SINGH	1703240102	23.75	NA	38.27	62	Elite
15	Fundamentals of Conduction and Radiation - Online	ABHISHEK KUSHWAHA	1703240004	23.75	NA	46.5	70	Elite
16	Fundamentals of Conduction and Radiation - Online	AKSHAT RUHELA	1703240015	24.06	NA	37.5	62	Elite
17	Fundamentals of Conduction and Radiation - Online	ANKUSH SHARMA	1703240026	22.06	NA	51	73	Elite
18	Fundamentals of manufacturing processes - Online	KUSHAL	1703240071	21.16	NA	51.75	73	Elite
19	Fundamentals of Conduction and Radiation - Online	AIYUSH MOHAN	1703240008	22.81	NA	37.5	60	Elite
20	Fundamentals of manufacturing processes - Online	NISHANG GUPTA	1703240083	24.06	NA	51.28	75	Elite+Silver
21	Fundamentals of Conduction and Radiation - Online	AMAN RAWAT	1703240019	24.06	NA	60	84	Elite+Silver
22	Fundamentals of Conduction and Radiation - Online	AKASH TYAGI	1703240009	24.06	NA	50.5	75	Elite+Silver
23	Fundamentals of Conduction and Radiation - Online	AKASH TYAGI	1703240012	24.06	NA	54	78	Elite+Silver
24	Fundamentals of manufacturing processes - Online	RISHAB BHARDWAJ	1703240106	22.81	NA	53.25	76	Elite+Silver
25	Fundamentals of Conduction and Radiation - Online	PRIYANSHU KUMAR TIWARI	1703240097	20.53	NA	54	75	Elite+Silver
26	Fundamentals of Conduction and Radiation - Online	AAYUSH SRIVASTAVA	1703240001	23.44	NA	61.5	85	Elite+Silver
27	Fundamentals of manufacturing processes - Online	INDRA KUMAR CHAURASIA	1703240067	24.69	NA	30.75	55	Successfully completed

S. No.	Course Name	Student's Name	College Roll no	Score From Assignment	Unproctored programming exam score out of 25	Exam Score	Final Score	Certificate Type
28	Fundamentals of manufacturing processes - Online	AMAN KHAN	1703240018	24.06	NA	31.5	56	Successfully completed
29	Fundamentals of Conduction and Radiation - Online	AKSHAY KUMAR	1703240016	23.13	NA	37.5	61	Elite
30	Fundamentals of manufacturing processes - Online	RAHUL YADAV	1703240103	23.75	NA	39	63	Elite
31	Fundamentals of Conduction and Radiation - Online	DHARNI DHAR YADAV	1703240054	24.06	NA	48	72	Elite
32	Python for Data Science - Online	ASHISH BHAT	1703240038	23	25	19	67	Elite
33	Python for Data Science - Online	AIYUSH MOHAN	1703240008	23.5	25	18	67	Elite
34	Python for Data Science - Online	ARYAN BANSAL	1703240036	15.75	25	29.08	70	Elite
35	Python for Data Science - Online	ASHISH GUPTA	1703240039	23.75	25	21.94	71	Elite
36	Python for Data Science - Online	ROHAN SRIVASTAVA	1703240112	18.25	20	29.08	67	Elite
37	Python for Data Science - Online	AMIT SINGH	1703240021	23.75	25	25	74	Elite
38	Developing Soft Skills and Personality - Online	ARPIT MANI TRIPATHI	1803240027	24.17	NA	60	84	Elite+Silver
39	Python for Data Science - Online	DHARNI DHAR YADAV	1703240054	17.75	23.25	21.5	63	Elite
40	Fluid Machines - Online	SAURABH TRIPATHI	2018BME1030	22.92	NA	64.5	87	Elite+Silver
41	Fluid Machines - Online	KARTIK GUPTA	2018BME1188	22.92	NA	30	53	Successfully completed
42	Fluid Machines - Online	KRISHAN KANT TIWARI	1803240072	12	NA	30	42	Successfully completed
43	Fluid Machines - Online	SHASHANK UPADHYAY	2018BME1101	22.42	NA	46.5	69	Elite
44	Fluid Machines - Online	SANDEEP KUMAR SHARMA	1803240125	12.5	NA	49.5	62	Elite
45	Fluid Mechanics - Online	SIDDHARTH SINGH	2018BME1050	15.29	NA	30	45	Successfully completed
46	Fluid Machines - Online	SAKSHAM AASAL	1803240123	10	NA	40.5	51	Successfully completed
47	Fluid Machines - Online	RAJDEEP KUMAR GAUTAM	1803240112	12.5	NA	31.5	44	Successfully completed
48	Fluid Machines - Online	PARAS	1803240095	13.04	NA	39	52	Successfully completed

S. No.	Course Name	Student's Name	College Roll no	Score From Assignment	Unproctored programming exam score out of 25	Exam Score	Final Score	Certificate Type
49	Fluid Machines - Online	RITIK SHARMA	1803240116	10	NA	34.5	45	Successfully completed
50	Fluid Machines - Online	RAJEEV KUMAR YADAV	2018BME1179	22.83	NA	30	53	Successfully completed
51	Introduction to Aerospace Engineering - Online	SAAD AMEER	1803240121	10.81	NA	30	41	Successfully completed
52	Concepts of Thermodynamics - Online	SHUBHAM CHAUHAN	1803240147	12.66	NA	36	49	Successfully completed
53	Fluid Machines - Online	SAURABH VISHVAKARMA	2018BME1035	22.42	NA	49.5	72	Elite
54	Developing Soft Skills and Personality - Online	PARAS	1803240095	15.33	NA	50.25	66	Elite
55	Developing Soft Skills and Personality - Online	PRIYANSHU TIWARI	1803240105	22.5	NA	39.75	62	Elite
56	Developing Soft Skills and Personality - Online	KANHAIYA KUMAR THAKUR	2019B403007	24.17	NA	43.5	68	Elite
57	Developing Soft Skills and Personality - Online	JATIN KUMAR	2018bme1068	24.17	NA	54	78	Elite+Silver
58	Developing Soft Skills and Personality - Online	ABHINAV SINGH	2018bme1139	23.5	NA	54.75	78	Elite+Silver
59	Developing Soft Skills and Personality - Online	JAYDEEP SHARMA	1803240067	24.33	NA	56.25	81	Elite+Silver

PATENTS FILES

S.No.	Applicant name	Application No.	Date of filing	Inventors Name	Product Name	Status
1	ABESEC Ghaziabad	201911046548	15.11.2019	Aditya Agarwal	IOT based smart irrigation system operated through mobile	Published/ 17-07-2020



ACHIEVEMENTS -NATIONAL/INTERNATIONAL LEVEL

S. No.	Participant Name	Roll No.	Title of event	Participated at	Date format same	Awards/ Certification
1	Varun Kumar	1703240153	Relay race	VGI, Ghaziabad	24-09-2019	Participation Certificate
2	Tureen Gupta	1703240143	Delegate in AIPPM	MHRD, New Delhi	02-11-2019	Participation Certificate
3	Tureen Gupta	1703240143	Uthan Youth Parliament Chapter	MHRD, New Delhi	02-11-2019	Participation Certificate

Progression to Higher Education

- ❖ One of the student Mr.Viranjan Bhattacharyya of 2018 batch got the admission in MS program at Illinois Institute of Technology in the session 2019-20.
- ❖ One of the student Mr.Nikesh Kumar of 2019 batch took the admission in M.Tech program at NIT Hamirpur.
- ❖ Two students, Mr. Shubham Verma and Mr. Nitin Sethi of 2018 batch, got the admission offer from the HOF University of Applied Sciences, Germany for MBA program.

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hodme@abes.ac.in

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ABES Engineering College

19th Km Stone, NH 09, Ghaziabad 201009, UP
Ph: 0120-7135112, Fax : 0120-7135115 Mobile: +91-9999889341
Email: info@abes.ac.in, Website - www.abes.ac.in