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CRESCE^NT

Department of
Mechanical
Engineering

Volume VI, Issue I

Jan. 2019 to June 2019
Bi-Annual Newsletter

Message from Director

Prof. Shailesh Tiwari



Crescent is for growth and so is the research.

Our institute has always levied huge stress on all the aspects of research for the growth of its employees in all the domains of life. Excelling in the field of research is yet another persuasion which has brought the magnificent results in the field of research publications, patent filing & publishing and industrial consultancy for our conglomerate.

We have achieved a lot and a lot is yet in the air to blot. Undoubtedly, research related activities have been the building blocks of this achievement. I specially congratulate the Department of Mechanical Engineering for leading the edge in this avenue and setting benchmarks for all the departments.



Message from HOD

Prof. R.K. Shukla

It is an opportunity to present the fourth issue of "**ME-CRESCENT**". This internal departmental newsletter is one of the ways in which we disseminate information regarding professional life of members in the department .The last year has witnessed abundant student and faculty oriented activities in academic, co-curricular, extra-curricular as well as research & development fields. As you read through the pages you will realize that the department had a productive year especially in the R&D arena. I congratulate all the faculty members involved in the entire process of this accomplishment. Best of luck to all for their future endeavors.

Message from Editor

Ms. Gaganpreet Kaur
Associate Prof. (ME)



"As for the future, your task is not to foresee it, but to enable it.". By Antoine de Saint-Exupery

Research is an organized method of trying to find out what you are going to do after you cannot do what you are doing now. The current issue is to mainly showcase the family members of the department who have contributed in research related activities by publishing vital research papers and filing patents in different fields of science.

Our 'Crescent' is a perfect platform to highlight the segments of the Mechanical Department. The purpose of this newsletter is to inspire to unlock the hidden potential within faculty, staff and student members and help them through self-motivation for excelling in the avenue of research.

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.

PO 12: 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.**
- ❖ Prof. (Dr.) Rajendra Kumar Shukla (2019) , “Development of AHP framework of sustainable product design & manufacturing of electric vehicle”, Springer nature Singapore Pvt.Ltd.,
- ❖ Dr. Pikes Bansal (May-June 2019), “Design and fabrication of Automatic Speed Controller for Automobile”, International Journal of trends in Scientific research & Development (IJTSRD)Volume-3, Issue- 4,e-ISSN-2456-6470
- ❖ Mr. R.S. Raman (2019), “A Review on Implementation of six sigma techniques | Manufacturing Industries and Benefits derived.”, Springer Nature IJITJ/IOP Publication Science Journals,
- ❖ Dr. Manish Saraswat (2019), “Potential assessment of biogas in internal combustion engine: A review”, International Conference on Computational & Experimental methods in mechanical engineering,
- ❖ Dr. Manish Saraswat (2019), “Impact of Variable affecting biogas production from biomass”, International Conference on Computational & Experimental methods in mechanical engineering,
- ❖ Dr. Manish Saraswat (43617), “Environment Impact of butanol & algae oil addition in gasoline at different compression ratio”, Journal of scientific & Industrial Research Volume- 78, PP 382-385
- ❖ Mr. Abhishek Goel (43580), “Experimental study of heat transfer characteristics of an impinging jet solar air heater with fins”, Springer, Print ISSN 1387-585X Online ISSN 1573-2975
- ❖ Mr. Abhishek Goel (), “Energy and performance analysis of a new solar dryer”, International Conference on Computational & Experimental methods in mechanical engineering,
- ❖ Mr. Yogesh Chandra Mr. Parag Sighal (2019), “Factors to Increase the Efficiency of Solar Panel: A Review”, Journal of Energy, Environment & Carbon Credits Volume 9, Issue 1, ISSN:2249-8621 (Online)
- ❖ Mr. Shivam Sharma (), “Optimization/benchmarking using multi criteria Decision making”, Intech Open Limited,
- ❖ Mr. Shivam Sharma (43586), “ Design and Implementation of Advanced Helmet”, International Journal of Research in engineering & Management (IJRESM)Volume-2, Issue- 5, ISSN (online):2581-5792
- ❖ Mr. Shivam Sharma (May-June 2019), “Regenerative Breaking System”, International Journal of trends in Scientific research & Development (IJTSRD)Volume-3, Issue- 4, e-ISSN-2456-6470
- ❖ Dr. Kishor Kumar Guru (43593), “Effect of temperature on elastic properties of CNT reinforced nanocomposites”, IOP Publishing Ltd,
- ❖ Dr. Kishor Kumar Guru (May-June 2019), “Design and working of pedal operated flour mill”, International Journal of trends in Scientific research & Development (IJTSRD)Volume-3, Issue- 4, e-ISSN-2456-6470
- ❖ Mr. Manish Mangal (2019), “Finite Difference Analysis of Plane Couette Flow using MATLAB”, Journal of Experimental & Applied Mechanics Volume 10, Issue 1, ISSN:2230-9845 (Online), ISSN:2321-516X (Print)
- ❖ Prof. (Dr.) Rajendra Kumar Shukla Mr. Manish Mangal (2018), “Numerical Study of a Turbulent Flow Past a Rotating Sphere”, Journal of Aerospace Engineering & Technology (JoAET)Vol 8, Issue No 3,
- ❖ Mr. Ankur Dixit (43556), “Analysis of emission on variable compression engine with using biogas as a fuel.”, International Journal of scientific& engineering research Volume-10, Issue-4, ISSN- 2229-5518
- ❖ Mr. Vijay Kumar Gupta (Mar-Apr 2019), “Automatic Temperature controlled air cooler: Design, assembly and testing”, International Journal of trends in Scientific research & Development (IJTSRD)Volume-2, ISSU- 3, e-ISSN-2456-6470
- ❖ Mr. Vijay Kumar Gupta (May-June 2019), “Design of Fin for Various Variables”, International Journal of trends in Scientific research & Development (IJTSRD)Volume-3, ISSU- 4,ISSN-2456-6470
- ❖ Mr. Saurabh (May-June 2019), “CFD Simulation of air conditioning system of the classroom”, International Journal of trends in Scientific research & Development (IJTSRD)Volume-3,ISSU- 4,ISSN-2456-6470



- ❖ Mr.Parag Singhal (May-June 2019),“Thermoelectric Air conditioning”, International Journal of trends in Scientific research & Development (IJTSRD)Volume-3, ISSU- 4,ISSN-2456-6470
- ❖ Mr. Sanjay Kumar (Mar-Apr 2019),“Portable centre pivot irrigation system with advanced control through sensors:A Review”, International Journal of trends in Scientific research & Development (IJTSRD)Volume-3, ISSU- 4,e-ISSn-2456-6470
- ❖ Mr. Animesh Kumar (2019), “Experimental study of mechanical properties on AL 6063 composite reinforced with silicon carbide”, International Journal of trends & Innovation (IJTSRD)Volume-4, Issue- 4, ISSN:2456-3315
- ❖ Mr.Animesh Kumar (Mar-Apr 2019),“Reduction in size of var by using different materials in generator”, International Journal of trends in Scientific research & Development (IJTSRD)Volume-3, Issue-3, E-ISSN-2456- 6470
- ❖ Mr. Naveen Kumar (Mar-Apr 2019), “Review on the development of road cleaning & scrap collecting robotic vehicle”, International Journal of trends in Scientific research & Development (IJTSRD)Volume-3, Issue-3,e- ISSN- 2456-6470
- ❖ Mr.Naveen Kumar (Mar-Apr 2019),“Analysis of energy generation from Exhaust of automobile using Peltier (Thermoelectric Generator)”, International Journal of trends in Scientific research & Development (IJTSRD)Volume-3,Issue-3,e-ISSN- 2456-6470
- ❖ Mr. Naveen Kumar (2018),“Multi-response Optimization of Friction Stir Welding Process Parameters Using Standard Deviation (SD) Based Preference IndexedValue (PIV) Method”, International journal of advanced production and industrial engineering IJAPIEVol 3 (4),44- 48
- ❖ Dr. Rahul Saini (Mar-Apr 2019),“Multi operational machining and controlling with the help of electromagnetic clutch”, International Journal of trends in Scientific research & Development (IJTSRD)Volume-3,Issue-3,e-ISSN- 2456-6470
- ❖ Ms. Gaganpreet Kaur /Dr. Rahul Saini (May-June 2019), “Design and construction of a shredding Machine for recycling and management of organic waste”, International Journal of trends in Scientific research & Development (IJTSRD)Volume-3, Issue- 4, e-ISSN- 2456-6470
- ❖ Ms. Gaganpreet Kaur /Dr. Rahul Saini (),“Arduino Based smart analyzing system for development stages of wheat Kernel”,
- ❖ Mr.VIKAS (2019),“An Insight into the Notion of Gameful thinking for learning”, International Journal for scientific Research & DevelopmentVolume-7, Issue- 2, ISSN (online):2331-0613
- ❖ MrVIKAS (2019),“Development of a Heat Actuator Using Liquid-Vapor Phase Change of R134a”,Journal of Thermal Engineering and Applications Volume 6, Issue 1, ISSN: 2349-8994 (Online)
- ❖ Mr. Manbendra Saha (43586), “Development and optimization of process parameters of microwaved cured polymers based natural fiber (Coir) reinforced composite”, Journal of Emerging Technology and Innovative research (JETIRVolume-6, Issue-5, ISSN- 2349- 5162
- ❖ Mr. Manbendra Saha (May-June 2019),“Development and optimization of process parameters of microwaved cured polymers based natural fiber (Coir) reinforced composite”,International Journal of trends in Scientific research & Development (IJTSRD) Volume-3, Issue- 4,e-ISSN-2456-6470
- ❖ Mr. Chetan Rajoria (Mar-June 2019),“Study of effect of friction on pantograph mechanism”, International Journal of trends in Scientific research & Development (IJTSRD)Volume-3,issue-3,e-ISSN-2456-6470
- ❖ Mr. Chetan Rajoria (May-June 2019), “Steering controlled Adaptive Head light using sensor”, International Journal of trends in Scientific research & Development (IJTSRD)Volume-3, Issue- 4, e-ISSN- 2456-6470
- ❖ Mr. Abhishek Pandey (May-June 2019), “Self healing capabilities in polymeric materials: An Introduction to techniques”, International Journal of trends in Scientific



research & Development (IJTSRD)Volume-3,Issue- 4,e-ISSN-2456-6470

- ❖ Mr. Arun Pratap Singh (May-June 2019), "Smart solar Grass cutter robot", International Journal of trends in Scientific research & Development (IJTSRD)Volume-3,Issue- 4,e- ISSN-2456-6470
- ❖ Mr. Arun Pratap Singh (43556), "Operating mechanism and design hydraulic scissor Lift.", International Research Journal of Engineering and technology (IRJET)Volume-6,Issue-4,e- ISSN-2395-0056 p-ISSN-2395-0072
- ❖ Mr. Navendra Pratap Singh (43556), "Automatic bike side stand", International Journal of research in engineering, Science and managementVolume-2,Issue-4,ISSN (Online) 2581-5792
- ❖ Mr. Neeraj Kumar Sharma (Mar-Apr 2019), "Multiple products testing on single circular conveyor.", International Journal of trends in Scientific research & Development (IJTSRD)Volume-3,Issue-3,
- ❖ Mr. Rahul Verma (2019), "Vibration analysis of functionally graded materials for cylinder liner used in agricultural engine part", De Gruyter., 258–266

Patents

Sl	Applicant Name	Application No	Date of Filing	Inventors Name	Branch	Product Name	Status
1	ABES Engineering College Ghaziabad	201911008557	5/3/2019	Dharmendra Singh	ME	System And Method For Tracking And Locating Misplaced And Lost Objects Through Voice Command	Filed
				Narbeda Prasad Gupta	EC		
2	ABES Engineering College Ghaziabad	201911010265	15/03/2019	Monika Chauhan	ME	AN AEROFOIL FAN BLADE AND FANS WITH AEROFOIL BLADES	Filed
				Ankur Dixit	ME		
				Praval Lumar			
				Rajnesh Kumar Singh	EC		

Ph.D registration

Mr. Mayank Kushwaha and Mr. Ankur Dixit registered for a PhD program in Delhi Technological University in January 2019.

Professional Societies:

Networking with one's fellow scientists and engineers is extremely important for personal and professional development. Professional organizations sponsor conferences, publish journals, and serve as reviewers or editors. They set professional and educational standards and provide job and career services for their members. flight for fuel economy in Simulation & Scale Model Category on 17 Feb 2017 in competition Technomemtum 2017.

S. No.	Name of the Faculty	Designation	Name of the Society	MEMBERSHIP Number	Year	MEMBERSHIP Validity
1	Dr. Abhinav Gupta	Professor	ISHRAE	49818	2019	Lifetime
2	Mr. Amit Singh	Assistant Professor	The Indian Institute of Welding -Kolkata	Applied	2019	Lifetime



STUDENT ACHIEVEMENT SECTION

AP-Expo

“AP-EXPO 2019” is organized by the Department of Mechanical Engineering. The event includes the display of project posters, project working models, and the research publications from the student's projects. The assessment of these projects under different categories based on outcome-based learning would be done by honorable guests from Academia and Industry. The projects are appreciated by distribution of certificates under various categories.

Project Category	Position Achieved	Name of Project	Team Member(S)
MOST INNOVATIVE	1st	AUTOMATIC PLATE DISPENSER SYSTEM	ABHIRAJ KASANA ADITYA VAISH HARSH CHAUDHARY HARSHIT DHIMAN
	2nd	STEERING CONTROLLED ADAPTIVE HEAD LIGHT	MAYANK BHARDWAJ (FW) DIGVIJAY RAJPUT KUNAL GIRI MOHD SAMSH
	3rd	AUTOMATIC TEMPERATURE CONTROLLER WITH COOLING ARRANGEMENT	ABHINAV KUMAR VISHWAKARMA MOHAK GUPTA HIMANSHU SINGH KUNWAR UTKARSH
ECONOMICALLY VIABLE	1st	ADVANCE HELMET	ANSHUL SONI MAYANK SHARMA DISHANK SINGH SANTOSH KUMAR MAYAND MALIK
	2nd	ORGANIC WASTE MANAGEMENT	ABHAY KATIYAR ABHISHEK GAUR AVIRAL SHRIVASTAVA NAVNEET PRATAP SINGH (LE -16) MOHAMMAD AHMAR KHAN
	3rd	MULTI-OPERATIONAL MACHINING AND CONTROLLING WITH THE HELP OF ELECTRO-MAGNETIC CLUTCH	ANKIT SHARMA(FW) ASHUTOSH KUSHWAHA DESH DEEPAK AMBRISH KUMAR PANDEY SAURABH PRIYadarshi
MOST SUSTAINABLE	1st	BROOMING MACHINE	VIVEK PAL VIVEK SINGH RAM GOPAL PANDEY VISHAL RANJAN MALL MANISH PRAKASH SHIVAM KUMAR SINGH SHIVANG RATHI VISHAL SHARMA SHUBHAM AGRAWAL
	2nd	EXHAUST GAS ANALYSIS USING PRODUCER GAS AS A FUEL	ABHISHEK SRIVASTAVA AKASH GUPTA ANMOL NISHANT GARG
	3rd	FABRICATION OF ROAD CLEANING AND SCRAP COLLECTING ROBOTIC VEHICLE	AYUSH GOEL PEEYUSH KUMAR GUPTA VIPUL VERMA VISHAL GUPTA (LE-16)



Industrial Visit

The objective of an industrial visit is to provide students with an insight into the corporate world. It provides students with a practical real-world perspective on different functions in organizations

- ❖ An Industrial visit, coordinated by Mr. Abhishek Pandey and Mr. Manoj Kumar, to Honda Cars India Limited, Greater Noida was organized for B.Tech. 3rd year section C students on Thursday February 14, 2019. Honda Cars India Ltd., (HCIL) is a leading manufacturer of premium cars in India. The company was established in 1995 with a commitment to provide Honda's latest passenger car models and technologies to the Indian customers. The company is a subsidiary of Honda Motor Co.Ltd.,Japan.
- ❖ An Industrial visit, coordinated by Mr. Sanjay Kumar and Mr. Naveen Kumar, to MOTHER DAIRY Patparganj, New Delhi -110092 was organized for B.Tech. 3rd year section C students on Wednesday March 13, 2019. MOTHER DAIRY Patparganj, New Delhi. Mother Dairy was commissioned in 1974 as a wholly owned subsidiary of the National Dairy Development Board (NDDB). It was an initiative under Operation Flood, a dairy development program aimed at making India a milk sufficient nation. Mother Dairy sources a significant part of its requirement of liquid milk from dairy cooperatives and village level farmer centric organizations.
- ❖ An Industrial visit, coordinated by Mr. Sanjay Kumar and Mr. Naveen Kumar, to MOTHER DAIRY Patparganj, New Delhi -110092 was organized for B.Tech. 3rd year section B students on Thursday March 14, 2019. MOTHER DAIRY Patparganj, New Delhi. Mother Dairy was commissioned in 1974 as a wholly owned subsidiary of the National Dairy Development Board (NDDB). It was an initiative under Operation Flood, a dairy development program aimed at making India a milk sufficient nation. Mother Dairy sources a significant part of its requirement of liquid milk from dairy cooperatives and village level farmer centric organizations.
- ❖ An Industrial visit, coordinated by Mr. Sanjay Kumar and Mr. Naveen Kumar, to MOTHER DAIRY Patparganj, New Delhi -110092 was organized for B.Tech. 3rd year section A students on Friday March 15, 2019. MOTHER DAIRY Patparganj, New Delhi. Mother Dairy was commissioned in 1974 as a wholly owned subsidiary of the National Dairy Development Board (NDDB). It was an initiative under Operation Flood, a dairy development program aimed at making India a milk sufficient nation. Mother Dairy sources a significant part of its requirement of liquid milk from dairy cooperatives and village level farmer centric organizations.
- ❖ An Industrial visit, coordinated by Dr. Rahul Saini, to National Power Training Institute, Faridabad was organized for B.Tech. 3rd year section B students on Thursday March 28, 2019. National Power Training Institute (NPTI), an ISO 9001 & ISO 14001 organization under Ministry of Power, Government of India is a National Apex body for Training and Human Resources Development in Power Sector with its Corporate Office at Faridabad. NPTI had been providing its dedicated service for more than five decades.
- ❖ An Industrial visit, coordinated by Mr. Naveen Kumar, to National Power Training Institute, Faridabad was organized for B.Tech. 3rd year section C students on Thursday March 29, 2019. National Power Training Institute (NPTI), an ISO 9001 & ISO 14001 organization under Ministry of Power, Government of India is a National Apex body for Training and Human Resources Development in Power Sector with its Corporate Office at Faridabad. NPTI had been providing its dedicated service for more than five decades.



“Protagonists”
Efficycle – 2019
AIR- 4

Overview

Efficycle is an intercollegiate design competition which is intended to engage engineering students in developing the eco-friendly future mobility solutions for India. “Efficycle” derived from Efficient-Cycle promote the objective of providing opportunity to the students to conceive, design and fabricate a three-wheel configuration vehicle powered by human-electric hybrid power and capable of seating two passengers catering to the day to day mobility needs. The event gives participant a challenge of conceptualizing, designing and fabricating an electrically assisted-human powered, 3-wheeled, 2-seater vehicle. The vehicle must be aerodynamic, engineered for performance & safety and ergonomically designed. The objective is to promote innovation and generate consciousness amongst the young engineers towards environment friendly mobility solution.

Team outline:-

A 14-member team (13 main members +1 Guest member) “Protagonists” has participated in Efficycle-2019 from ABES Engineering College, Ghaziabad. Mr. HarshVishwakarma was team captain.



Team
“Protagonists”



Team
“Protagonists”



Team
“Protagonists”



Awards/ Participation in national and international events.

S. No.	Participant Name	Roll No.	Title of event	Participated at	Date	Awards/ Certification
1	Gaurav Chandra Mishra	1703240058	Cricket Tournament	KIET, Ghaziabad	02-03-2019	Participation Certificate
2	Navneet Kushwaha	1703240081		KIET, Ghaziabad		Participation Certificate
3	Shivam Kumar Singh	1703240126		KIET, Ghaziabad		Participation Certificate
4	Navneet Kushwaha	1703240081	Cricket Tournament	GLA, Mathura	08-03-2019	Participation Certificate
5	Utkarsh Tripathi	1803240167	Nukkad Natak	IIT Roorkee	08-02-2019	Participation Certificate
6	Shikhar Verma	1603240148	Participant	IIT Kharagpur	19-01-2019	Participation Certificate
7	Shaswat Kulshethra	1603240147	Participant	IIT Kharagpur	19-01-2019	Participation Certificate
8	Mohit Kumar	1603240085	Participant	IIT Kharagpur	19-01-2019	Participation Certificate
9	Aryan Dwivedi	1703240037	Process Simulation Using Aspen HYSYS	ASME	03-03-2019	Participation Certificate
10	MohdAnas Ansari	1603240084	Technical Event	IIT Kharagpur	19-01-2019	Participation Certificate
11	Kamad Bhatnagar	1603240070				Participation Certificate
12	Shikhar Verma	1603240148				Participation Certificate
13	Mohit Kumar	1603240085				Participation Certificate
14	Rishabh Mittal	1803240114	Solid Works corporation nationwide product design contest	Dassault System	11-07-2019	Participation Certificate
15	LavkushYadav	1803240079				Participation Certificate
16	Yash dixit	1603240174	Table Tennis	IIT ROORKEE	29-03-2019	Participation Certificate
17	Puneet Sharma	1603240113	4*400 mtr Boys	GLA Mathura	15-02-2019	Gold Medal
18	Varun Kumar	1703240153	4*400 mtr. Boys	GLA Mathura	15-02-2019	Gold Medal
19	Puneet Sharma	1603240113	4*100 mtr. Boys	GLA Mathura	15-02-2019	Silver Medal
20	Varun Kumar	1703240153	4*100 mtr. Boys	GLA Mathura	15-02-2019	Silver Medal
21	Utkarsh Singh	1803240165	800 mtr. Boys	GLA Mathura	15-02-2019	Silver Medal
22	Puneet Sharma	1603240113	400 mtr. Boys	GLA Mathura	15-02-2019	Bronze Medal
23	Rishabh Nehra	1703240107	5000 mtr. Boys	GLA Mathura	15-02-2019	Bronze Medal
24	Abhay Kumar Gupta	1703240002	Badminton	VIET, Ghaziabad	24-09-2019	Silver Medal
25	Varun Kumar	1703240153	4*400 mtr Relay Boys	VIET,Ghaziabad	24-09-2019	Bronze Medal
26	Puneet Sharma	1603240113	4*400 Mtr. Relay Boys	VIET, Ghaziabad	24-09-2019	Bronze Medal



NPTEL CERTIFICATIONS

S. No.	Course Name	Name	Role	Score From Assignment	Exam Score	Final Score	Certificate Type
1	Kinematics Of Mechanisms And Machines	Anoop Kumar Yadav	Student	10.04	33	43	Successfully completed
2	Matlab Programming For Numerical Computation	Shubham Agarwal	Student	18.65	48.75	67	Elite
3	Engineering Mechanics - Statics And Dynamics	Shubham Agarwal	Student	19.5	37.5	57	Successfully completed
4	Problem Solving Through Programming In C	Shubham Agarwal	Student	22.22	34.5	57	Successfully completed
5	Problem Solving Through Programming In C	Ritik Verma	Student	22.91	30	53	Successfully completed
6	Problem Solving Through Programming In C	Rajdeep Kumar Gautam	Student	7.47	33	40	Successfully completed
7	Problem Solving Through Programming In C	Nandita Chowdhury	Student	22.81	35.25	58	Successfully completed
8	Problem Solving Through Programming In C	Ashutosh Singh Chauhan	Student	24.84	39.75	65	Elite
9	Problem Solving Through Programming In C	Aman Maurya	Student	23.94	44.25	68	Elite
10	Problem Solving Through Programming In C	Ayush Tripathi	Student	6.19	33.5	40	Successfully completed
11	Problem Solving Through Programming In C	Vaibhav Kumar Bhaskar	Student	23.63	37.5	61	Elite
12	Problem Solving Through Programming In C	Arun Kumar	Student	22.34	36	58	Successfully completed
13	Problem Solving Through Programming In C	Ankit Kumar Pal	Student	20.72	32.25	53	Successfully completed
14	Problem Solving Through Programming In C	Vimal Kumar Yadav	Student	19.31	43.5	63	Elite
15	Problem Solving Through Programming In C	Himanshu Dixit	Student	22.41	46.5	69	Elite
16	Problem Solving Through Programming In C	Jatin Mahato	Student	22.13	32.25	54	Successfully completed
17	Problem Solving Through Programming In C	Amit Dhar Dubey	Student	22.13	24.75	47	Successfully completed
18	Problem Solving Through Programming In C	Yash Kumar	Student	7.13	33.75	41	Successfully completed
19	Programming In Java	Sandeep Kumar Sharma	Student	18.78	46.5	65	Elite
20	Enhancing Soft Skills And Personality	Rajat Gupta	Student	23.17	48	71	Elite
21	Enhancing Soft Skills And Personality	Sparsh Kataria	Student	23.17	29.25	52	Successfully completed
22	Enhancing Soft Skills And Personality	Baij Nath Verma	Student	23.67	40.5	64	Elite
23	Enhancing Soft Skills And Personality	Vishal Bhargav	Student	21	39.75	61	Elite
24	Enhancing Soft Skills And Personality	Aman Maurya	Student	23	52	75	Elite+Silver
25	Enhancing Soft Skills And Personality	Ayush Tripathi	Student	9.17	54.75	64	Elite
26	Enhancing Soft Skills And Personality	Avinav Tyagi	Student	21.5	39.75	61	Elite
27	Enhancing Soft Skills And Personality	Gagan Chander Pandey	Student	0	51	51	Successfully completed
28	Enhancing Soft Skills And Personality	Vaibhav Kumar Bhaskar	Student	24.33	59.25	84	Elite+Silver
29	Enhancing Soft Skills And Personality	Saurabh Vishvakarma	Student	24.17	56.25	80	Elite+Silver
30	Enhancing Soft Skills And Personality	Saurabh Tripathi	Student	25	69	94	Elite+gold
31	Enhancing Soft Skills And Personality	Vishal Kumar	Student	24	44.25	68	Elite
32	Enhancing Soft Skills And Personality	Ashish Sharma	Student	23.33	51.75	75	Elite+Silver
33	Engineering Mathematics - I	Avinash Yadav	Student	18.16	22	40	Successfully completed
34	Steam And Gas Power Systems	Rituraj Singh	Student	11.04	45	56	Successfully completed
35	Introduction To Fluid Mechanics	Shubham Agarwal	Student	22.34	42	64	Elite
36	Six Sigma	Rishabh Maurya	Student	18.5	42.38	61	Elite



RESEARCH PAPERS

S. No.	Name	Roll No.	Title	Name of Conference/Journal	Issue and Volume
1	Ayush Goel Vipul Verma Peeyush Kr Gupta Vishal Gupta Prithvi Sisodia Priyanshi Tripathi	1503240052 1503240173 1503240114 1603240907 1503240120 1503240121	Development of Road Cleaning and Scrap Collecting Robotic Vehicle	International Journal of Trend in Scientific Research and Development (IJTSRD)	Volume 10 Issue 4
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