

SCHOOL OF ENGINEERING & TECHNOLOGY

COURSE FILE

Program: Computer Science Engineering Course Code: CSE3022 Course Title: Digital Image Processing Module Semester: 5th Sem Session: 2024-2025

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1. Course Details

• Course Code: CSE3022

• Course Title: Digital Image Processing

• Module/Semester: 5th Sem

• Session: 2024-2025

2. Vision, Mission of the University

Vision

BML Munjal University seeks to nurture ethical leaders who are skilled, knowledgeable and have the life skills required for leading their organizations to success. The university shall seek the advancement and dissemination of practically oriented knowledge benchmarked with the best global standards.

Mission

BML Munjal University aims to be a leading university for the quality and impact of its teaching, research and linkages with major stakeholders. The focus of the university is to find creative solutions to problems through application of knowledge. The university aims to create a talented community of students and faculty who excel in teaching, learning and research, in a creative and stimulating environment. The university will collaborate with other institutions for development of science, technology and arts in the global context.

3. Graduate Attributes

- Acquire and apply practical understanding of discipline knowledge.
- Demonstrate a sense of ethics and display excellence in both personal and professional life.
- Exhibit problem solving, critical thinking skills and investigative capability to address real world problems.
- Manifest leadership qualities and work effectively in teams across globally diverse environments.
- Be a lifelong learner with an entrepreneurial mindset to innovate in the constantly changing global scenario.
- Possess a strong sense of inquiry and design innovative solutions for positive societal impact.
- Be effective communicators and possess an empathetic outlook.

4. Vision, Mission of the School

Vision of School:

To be amongst the leading engineering schools of the country recognized globally for excellence in teaching and research with focus on experiential learning, innovation and entrepreneurship.

Mission of School:

- * Providing high-quality learning experience to our students, preparing them to be global leaders, and contributing to the development of society through research, innovation, and entrepreneurship.
- * Creating an inclusive and diverse learning environment that fosters creativity, critical thinking, and ethical values.
- * Collaborating with industry, government, and other institutions to address complex societal challenges and promote sustainable development.

5. PEOs and POs & PSOs of the Program

Program Educational Objectives (PEO):

PEO 1: Identify real-life problems and develop creative and innovative hardware/software-based solutions.

PEO 2: Achieve professional development through self-learning to adapt to the technological changes in the ever changing field of computing.

PEO 3: Engage in life-long learning of computer engineering technologies, critical thinking and continuous ingenuity and apply them in real-life applications.

PEO 4: Accomplish leadership roles by imbibing ethics and professionalism with emphasis on sustainable development of the society.

Program Outcomes (PO):

PO1: Apply the foundational concepts of mathematics, science and computer engineering to find novel solutions for complex real-life engineering problems.

PO2: Identify, formulate, review literature and analyze complex computer engineering problems reaching substantiated conclusions and derive a coherent logic that can be implemented by computers.

PO3: Design analytical and computational models for solving complex engineering problems giving due consideration to issues related to public health and safety, cultural and societal constraints, and environmental concerns.

PO4: Use research-based knowledge, methods, tools and techniques for data collection, designing digital computing systems, analyzing and interpreting the results to provide substantiated conclusions.

PO5: Use appropriate tools to model complex computer engineering problems through identification of the limitations and creating solutions to predict the real-world phenomena.

PO6: Use appropriate contextual knowledge of computer engineering to review and assess societal, health, legal, cultural, safety and contemporary issues and rationalize the ensuing responsibilities towards the society.

PO7: Adopt computer engineering practices in congruence with societal need, understand the working practices and its impact on natural resources for sustainable development.

PO8: Use ethical principles to pursue excellence in developing computer engineering systems and behave appropriately to develop a reliable and trustworthy relationship with others.

PO9: Function effectively as a reliable and responsible individual, and as a member or leader in diverse computer engineering teams, and in multidisciplinary settings, thereby placing team goals ahead of individual interests.

PO10: Communicate effectively by capturing the desirable computer system requirements for preparation of specification documents, write clear and concise report such as laboratory files, research papers, thesis, and presentation materials.

PO11: Demonstrate knowledge of computer engineering and management principles for the completion of individual or group projects in multidisciplinary environments.

PO12: Recognize the evolving technological changes and engage as an independent and life-long learner

in both computing and non-computing fields.

Program Specific Outcomes (PSO):

PSO1: Identify applicable tools and techniques related to data science practice such as data collection, cleaning, analysis, modelling, evaluation and result interpretation and apply them for deriving hidden and meaningful patterns for appropriate actionable insights.

PSO2: Develop intelligent systems for various real-life domains like healthcare, transportation, finance etc. using Artificial Intelligence methodologies.

PSO3: Understand the foundational concepts and techniques to protect computing systems against constantly evolving cybersecurity threats and analyze security breaches and violations of cyber systems and networks to provide appropriate solutions.

PSO4: Design effective security systems to mitigate risks, threats and vulnerabilities for protecting the organizations against cyber threats.

6. Course Description and its objectives

There is a high demand of professionals knowing image processing and related field of studies, in the industry. There are tons of interesting applications which require capturing, storing and processing digital images — e.g. automatic face recognition from images, medical image processing, automated robotic movements, surveillance, document processing etc. With the popularity of social media and consumer electronic devices like smart phone, millions of images are being captured and shared on a daily basis on the internet. This has opened up the horizon of developing smart applications involving images for a better quality of service. In view of this, the Digital Image Processing course is designed to give the students an overview of what digital images are, and how they are captured and processed. The course contains hands-on sessions to be conducted using open-source tools. This will help the students to practice the theoretical concepts learned during lecture sessions. Upon successful completion of the course, the students should be able to write programs for capturing, manipulating, and processing digital images.

7. Course Outcomes and CO-PO Mapping

Course Outcomes:

CO1: Understand fundamental concepts and principles of digital image processing.

CO2: Apply and demonstrate different image pre-processing and enhancement techniques in the spatial and frequency domains.

CO3: Analyze various state of art algorithms to process images for various applications.

CO4: Design framework to solve real-life and societal problems using appropriate methods, interpreting results, and reporting.

CO/PO Mapping:

| Course Outcomes (CO) | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | PSO3 | PSO4 |
|----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|
| CO1 | 2 | 1 | | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 2 | 0 | 0 |
| CO2 | 2 | 3 | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| CO3 | | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CO4 | | | | | | 2 | 0 | 1 | 2 | 2 | 0 | 0 | 0 | 3 | 2 | 0 |

8. Course Syllabus

| Sr. No. | Content | СО | Sessions |
|---------|---|-------|----------|
| 1 | Visual Perception • Image Sensing and Acquisition • Image Sampling and Quantization • Representing Digital Images • Spatial and Intensity Resolution | 1 | 2 |
| 2 | Gray-level transformations and processing in the spatial domain, Enhancement using arithmetic/logic operations, Image derivatives, filtering- smoothing, sharpening, convolution and correlation. Histogram processing – stretching, equalization, and matching. Image interpolation. | 1,2,3 | 3 |
| 3 | Fourier transformation and processing in the frequency domain – DFT, FFT, Inverse Fourier transformation, Filtering: smoothing and sharpening in the frequency domain, convolution. | 1,2,3 | 3 |
| 4 | Wavelet Transform and Multi-resolution Processing: Introduction to Wavelet Transform, Continuous and Discrete Wavelet Transform, Wavelet-based image processing techniques, Multi-resolution analysis, Applications of Wavelet Transform in image compression and denoising | 1,2,3 | 3 |
| 5 | Noise models, restoration in the spatial domain, periodic noise reduction using frequency domain filtering, and Inverse filtering. | 1 | 4 |
| 6 | Color models and transformations, Smoothing and sharpening, and segmentation. | 1,2 | 2 |
| 7 | Dilation • Erosion • Opening • Closing • Boundary extraction • Thinning. | 1 | 5 |
| 8 | Image compression fundamentals • Lossless compressions and Lossy compression Techniques. | 1,3,4 | 5 |
| 9 | Detection of discontinuities, Edge linking, and boundary detection, Thresholding, Region-based segmentation, Segmentation using morphology. | 1,3 | 5 |
| 10 | Introduction to Image Representation and Description: - Chain code, Polynomial approximation, Signatures, Skeletons; Regional description – Texture gray-level- cooccurrence matrix. | 1 | 4 |

9. Learning Resources

Text Books:

 \checkmark Rafael C. Gonzalez, Richard E. Woods; Digital Image Processing; 3rd Ed., Pearson, ISBN: 978-0131687288

Reference Links:

• https://www.coursera.org/learn/digital

10. Weekly Timetable

| Time | Monday | Tuesday | Wednesday | Thursday | Friday |
|-------------|---------------|---------------|---------------|---------------|--------|
| 9:15-10:10 | Digital Image | | Digital Image | Digital Image | |
| | Processing | | Processing | Processing | |
| | (CSE3022) | | (CSE3022) | (CSE3022) | |
| 10:15-11:10 | Digital Image | Digital Image | Digital Image | Digital Image | |
| | Processing | Processing | Processing | Processing | |
| | (CSE3022) | (CSE3022) | (CSE3022) | (CSE3022) | |
| 11:15-12:10 | | · | Digital Image | | |
| | | | Processing | | |
| | | | (CSE3022) | | |
| 12:15-13:10 | Digital Image | Digital Image | | Digital Image | |
| | Processing | Processing | | Processing | |
| | (CSE3022) | (CSE3022) | | (CSE3022) | |
| 13:15-14:10 | Digital Image | Digital Image | | | |
| | Processing | Processing | | | |
| | (CSE3022) | (CSE3022) | | | |
| 14:15-15:10 | Digital Image | | | | |
| | Processing | | | | |
| | (CSE3022) | | | | |
| 15:15-16:10 | | | | | |
| 16:15-17:10 | | | | | _ |
| 17:15-18:10 | | | | | |

11. Registered Students List

| Sr.No | Attendance | Unique Id. | Grading | Student Name |
|-------|------------|----------------------------|---------|---------------------|
| 1 | 80.56 | 220C2030054 | C+ | Kanika |
| 2 | 80.56 | 220C2030062 | В | SAGAR SINDHU |
| 3 | 97.22 | 220C2030065 | В | DIVYANSHU BANSAL |
| 4 | 97.22 | 220C2030068 | В | Ananya Aggarwal |
| 5 | 83.33 | 220C2030070 | С | Karan Sharma |
| 6 | 86.11 | 220C2030071 | B+ | Nihar Singla |
| 7 | 83.33 | 220C2030073 | В | Abhinav Vuddagiri |
| 8 | 77.78 | 220C2030074 | В | Aryan Pratap Singh |
| 9 | 75 | 220C2030076 | B+ | Dhruv Sharma |
| 10 | 83.33 | 220C2030077 | B+ | Aastha Singh |
| 11 | 88.89 | 220C2030078 | B+ | Siddhika Sinha |
| 12 | 77.78 | 220C2030081 | B+ | Saatvik Bhola |
| 13 | 94.44 | 220C2030086 | С | Sapare Aravind |
| 14 | 91.67 | 220C2030087 | B+ | Vishwajeet Tripathi |
| 15 | 83.33 | 220C2030091 | B+ | Gopala Krishna |
| | | | | Nuthakki |
| 16 | 86.11 | 220C2030093 | B+ | Vemula Chetan |
| | | | | Nihith |
| 17 | 83.33 | 220C2030096 | С | Punit Yadav |
| 18 | 91.67 | 220C2030098 | В | Sanskar Gupta |
| 19 | 94.44 | 220C2030099 | C | jatin nunach |
| 20 | 97.22 | 220C2030102 | B+ | Nirbhay |
| 21 | 77.78 | 220C2030105 | C+ | GUNEET CHAWLA |
| 22 | 91.67 | 220C2030108 | В | Raghvendra Singh |
| | 31.07 | 22002030100 | J | Chouhan |
| 23 | 83.33 | 220C2030109 | B+ | Siddharth Singh |
| 24 | 83.33 | 220C2030111 | В | ANIL KUMAR |
| 25 | 94.44 | 220C2030114 | A | Aman Gupta |
| 26 | 80.56 | 220C2030115 | C+ | Daksh Verma |
| 27 | 88.89 | 220C2030116 | В | Ayushman Raghav |
| 28 | 88.89 | 220C2030118 | B+ | Pranav Raj |
| 29 | 86.11 | 220C2030119 | В | Aditya Rastogi |
| 30 | 91.67 | 220C2030120 | A | Nikhil Kumar Tomar |
| 31 | 86.11 | 220C2030127 | В | Bhuwan Dahiya |
| 32 | 91.67 | 220C2030127 220C2030181 | В | Piyush Garg |
| 33 | 94.44 | 220C2030185 | В | Bhavesh Choudhary |
| 34 | 91.67 | 220C2030183 220C2030210 | В В | Purav Malik |
| 35 | 91.67 | 220C2030210 220C2030223 | В В | Shaleen Chordia |
| 36 | 91.67 | 220C2030223 220C2030245 | C+ | Vishal Yadav |
| 37 | 86.11 | 220C2030243 220C2030247 | C+ | Peehu Khandelwal |
| 38 | 88.89 | 220C2030247 220C2030248 | A | Pryanshu Kumar |
| 39 | 80.56 | 220C2030248 220C2030249 | A B | Paras Khola |
| 40 | 100 | 220C2030249 220C2030251 | В | Swapnadip Nandi |
| 41 | | | В | |
| | 91.67 | 220C2030253 | | CHAITANYA KALRA |
| 42 | 91.67 | 220C2030256 | C | Shashank Gupta |
| 43 | 80.56 | 220C2030257 | C+ | Anirudh Shukla |
| 44 | 83.33 | 220C2030258 | B+ | Suryadeep . |
| 45 | 86.11 | 220C2030267 | В | Manan Khandelwal |
| 46 | 91.67 | 220C2030283 | В | Manav Saini |
| 47 | 86.11 | 220C2030284 | C+ | Himanshu Chaturved |
| 48 | 94.44 | 220C2030285 | C+ | Raghav Malik |
| 49 | 86.11 | 220C2030288 | В | Archie Khubnani |
| 50 | 94.44 | 220C2030293 | A | Manav |
| 51 | 86.11 | 220C2030305 | B+ | Shivam Purohit |

| | | _ | |
|----------------------------------|--|---|--|
| 88.89 | 220C2030311 | В | Ritika Gupta |
| | | | Ashish Ranjan |
| | | | Siddhant Kalla |
| | | | Batchu Ratna Lahari |
| | | | Nishant Luhera |
| | | | Vidyansh Raj Gupta |
| | | | Monika |
| | | | Nakshatra Mittal |
| | | | Manavendra Singh |
| | | | Raj Kumar Shrivas |
| | | | Sanya Goel |
| | 220C2030012 | Α | Likhit Sagar Gajja |
| 80.77 | 220C2030016 | | Sarthak Gupta |
| 78.85 | 220C2030017 | C+ | Jasmine Sindhu |
| 88.46 | 220C2030018 | A+ | Anirudh Dattu |
| 84.62 | 220C2030019 | C+ | Himanshu Mohanty |
| 82.69 | 220C2030020 | C+ | Rohan Dhingra |
| 82.69 | 220C2030022 | A | Akaash Gupta |
| | | | Vandanapu |
| 84.62 | 220C2030023 | A+ | Abhay Rajesh Shah |
| 82.69 | 220C2030024 | В | Lalit Kumar |
| 86.54 | 220C2030025 | B+ | Naman Sharma |
| 86.54 | 220C2030026 | С | ROHIT YADAV |
| | | B+ | Aryashrestha Sagar |
| 78.85 | | В | Aryyan Ahlawat |
| | | В | BHAVUK |
| | | | Rongali Aryan |
| | | | Vikas Choudhary |
| | | | Muskan Yadav |
| | | | E Umesh |
| | | | Mitnapure Prasad |
| | | _ | Sharad |
| 78.85 | 220C2030044 | В | Basireddy |
| | | _ | Nithishreddy |
| 90.38 | 220C2030045 | В | Chinmay Srivastava |
| 84.62 | | Α | Sheena Mittal |
| | | | Akshay Katoch |
| | | | Aakarsh Purwar |
| | | | Akshaya Velumuri |
| | | Α | Manasvi . |
| | | | Mayank Pratap Singh |
| | | | Aadit Arora |
| | | | Pranav Kanumuri |
| | | | Raghav Arora |
| | | | YAMA LALITHA SAI |
| 80.54 | 22002030007 | D | MADHURI |
| 82 69 | 22002030075 | ſ | Prashant Kumar |
| | | | Rudra Gupta |
| 84.62 | 220C2030083 220C2030090 | B+ | Maitri Sharma |
| 94.23 | 220C2030090 220C2030100 | B+ | Archit Prasher |
| ノオ.とン | 22002030100 | | |
| | 220020110 | D± | BVCHI I//VIICH CIVICH |
| 98.08 | 220C2030110 | B+ | RAGHUVANSH SINGH PARMAR |
| | 220C2030110 220C2030112 | B+ A+ | |
| 98.08 | | | PARMAR |
| 98.08 78.85 | 220C2030112 | A+ | PARMAR Viresh Chauhan |
| 98.08 78.85 86.54 | 220C2030112 220C2030170 | A+ B+ | PARMAR Viresh Chauhan Aditya Agarwal |
| 98.08 78.85 86.54 94.23 | 220C2030112 220C2030170 220C2030178 | A+ B+ B+ | PARMAR Viresh Chauhan Aditya Agarwal Kartik Mehta |
| | 88.89 88.89 88.89 80.77 76.92 82.69 90.38 65.38 94.23 92.31 88.46 76.92 80.77 78.85 88.46 84.62 82.69 84.62 82.69 84.62 82.69 86.54 86.54 86.54 88.5 90.38 78.85 90.38 78.85 90.38 84.62 78.85 90.38 84.62 82.69 84.62 88.69 | 88.89 220C2030326 88.89 220C2030033 80.77 220C2030002 76.92 220C2030006 90.38 220C2030007 65.38 220C2030009 92.31 220C2030010 88.46 220C2030012 80.77 220C2030016 78.85 220C2030017 88.46 220C2030017 88.46 220C2030019 82.69 220C2030020 82.69 220C2030020 82.69 220C2030020 82.69 220C2030024 86.54 220C2030025 86.54 220C2030027 78.85 220C2030027 78.85 220C2030028 80.77 220C2030029 80.77 220C2030028 82.31 220C2030029 80.77 220C2030030 78.85 220C2030030 90.38 220C2030030 78.85 220C2030030 90.38 220C2030044 90.38 220C2030045 84.62 220C2030049 86.54 | 88.89 220C2030326 A 88.89 220C2030033 B+ 80.77 220C2030002 A 76.92 220C2030006 C+ 99.38 220C2030007 B 65.38 220C2030009 A 94.23 220C2030010 C 88.46 220C2030011 B+ 76.92 220C2030012 A 80.77 220C2030013 A+ 76.92 220C2030016 A+ 76.92 220C2030017 C+ 88.46 220C2030017 C+ 88.46 220C2030017 C+ 88.46 220C2030019 C+ 82.69 220C2030020 C+ 82.69 220C2030020 C+ 82.69 220C2030023 A+ 86.54 220C2030024 B 86.54 220C2030025 B+ 86.54 220C2030027 B+ 78.85 220C2030029 B 80.77 220C20 |

| | 1 | | | |
|-----|-------|----------------------------|-----|---------------------------------|
| 105 | 92.31 | 220C2030246 | B+ | Daksh |
| 106 | 90.38 | 220C2030252 | B+ | Vidhika Mangla |
| 107 | 84.62 | 220C2030280 | B+ | Bhumika |
| 108 | 86.54 | 220C2030281 | В | Bhawna |
| 109 | 78.85 | 220C2030299 | С | Govind Madhav |
| | | | | Sharma |
| 110 | 80.77 | 220C2030300 | С | Ankur Singh |
| 111 | 81.25 | 220C2030015 | В | Ratul Pal |
| 112 | 81.25 | 220C2030021 | F | Vaibhav Arora |
| 113 | 81.25 | 220C2030031 | B+ | Nidamanuri Bhargava Srinivas |
| 114 | 78.13 | 220C2030035 | Α | Garv Garg |
| 115 | 75 | 220C2030072 | B+ | Saksham Pandla |
| 116 | 84.38 | 220C2030107 | Α | Zahra Rakhshan |
| 117 | 78.13 | 220C2030113 | C+ | Udit Chauhan |
| 118 | 87.5 | 220C2030117 | B+ | Divas Sharma |
| 119 | 84.38 | 220C2030121 | B+ | Anurag Godara |
| 120 | 96.88 | 220C2030122 | В | Gaurangi |
| 121 | 84.38 | 220C2030123 | A+ | Siddhant Ashwary |
| 121 | 04.50 | 22002030123 | A' | Tiwari |
| 122 | 93.75 | 220C2030124 | B+ | Priyansh Arora |
| 123 | 78.13 | 220C2030125 | A | Ishika Kochhar |
| 124 | 93.75 | 220C2030123 220C2030126 | A+ | Lakkshya Gupta |
| 125 | 87.5 | 220C2030128 220C2030128 | | MOHAK GUPTA |
| | | | C+ | |
| 126 | 78.13 | 220C2030129 | B | Aditya Bansal |
| 127 | 87.5 | 220C2030130 | Α | PAVAN THRINATH |
| 100 | 00 | 22222224 | | KALVAKOTA |
| 128 | 93.75 | 220C2030131 | В | Namrata DHINGRA |
| 129 | 93.75 | 220C2030132 | В | Jatin Kumar Phogat |
| 130 | 87.5 | 220C2030133 | В | Abhinav Sharma |
| 131 | 90.63 | 220C2030134 | В | Sohan Sen |
| 132 | 87.5 | 220C2030136 | C+ | Krishnansh Garg |
| 133 | 90.63 | 220C2030138 | A+ | Parag Garg |
| 134 | 90.63 | 220C2030139 | В | Yash Arora |
| 135 | 84.38 | 220C2030140 | В | Saurabh |
| 136 | 81.25 | 220C2030141 | В | Mridul Singh |
| 137 | 81.25 | 220C2030143 | B+ | Utkarsh Tonk |
| 138 | 78.13 | 220C2030145 | В | RISHIT ABHILASH |
| 139 | 78.13 | 220C2030147 | C+ | Shivanshi Goel |
| 140 | 84.38 | 220C2030148 | C+ | Hardik Pandey |
| 141 | 93.75 | 220C2030149 | D | Anup Kumar |
| 142 | 87.5 | 220C2030150 | A+ | Nishtha Jain |
| 143 | 87.5 | 220C2030151 | A+ | Gagan Singhal |
| 144 | 81.25 | 220C2030152 | B+ | Ayushi Singh |
| 145 | 87.5 | 220C2030154 | В | Phani Harshith Kotturu |
| 146 | 78.13 | 220C2030155 | В | Yogesh Sharma |
| 147 | 90.63 | 220C2030157 | B+ | Shradha Aggarwal |
| 148 | 81.25 | 220C2030159 | В | Hemant kumar |
| 149 | 87.5 | 220C2030160 | C+ | Divyansh verma |
| 150 | 90.63 | 220C2030161 | C+ | Suraj |
| 151 | 96.88 | 220C2030163 | В | Nishant |
| 152 | 96.88 | 220C2030164 | В | Ankit Rathi |
| 153 | 84.38 | 220C2030165 | A | Bhomik Tomar |
| 154 | 81.25 | 220C2030167 | A | Vidushi Saxena |
| 155 | 87.5 | 220C2030167 220C2030168 | C+ | Divyansh Verma |
| 156 | 87.5 | 220C2030168 220C2030169 | C | Chetan Sharma |
| 130 | 67.5 | 22002030103 | · · | CHECALI SHALLIA |

| | T | | | |
|-----|-------|----------------------------|----------|----------------------|
| 157 | 84.38 | 220C2030171 | В | Prakhar Kumar |
| | | | | Srivastava |
| 158 | 81.25 | 220C2030174 | В | B Anirudh |
| 159 | 84.38 | 220C2030175 | C+ | Aranav Kumar |
| 160 | 87.5 | 220C2030176 | В | Ayush Sengar |
| 161 | 75 | 220C2030177 | C+ | Nikhil Kumar |
| 162 | 81.25 | 220C2030179 | В | Vedansh Kumawat |
| 163 | 93.75 | 220C2030180 | Α | DAKSHI ARORA |
| 164 | 81.25 | 220C2030213 | B+ | Anushka mishra |
| 165 | 75 | 220C2030228 | Α | Diya Rawal |
| 166 | 96.88 | 220C2030255 | А | Deepanshu |
| | | | | Mehlawat |
| 167 | 84.38 | 220C2030259 | С | Kashish Dagar |
| 168 | 84.38 | 220C2030260 | В | Anant Singh |
| 169 | 78.13 | 220C2030261 | C+ | Anant Upadhiyay |
| 170 | 93.75 | 220C2030263 | C+ | Anusha Singh |
| 171 | 84.38 | 220C2030292 | В | Gourav Sharma |
| 172 | 90.16 | 220C2030004 | В | Payal Dabas |
| 173 | 90.16 | 220C2030005 | С | Yash Vardhan Kasana |
| 174 | 95.08 | 220C2030003 220C2030014 | A+ | Anika Sharma |
| 175 | 86.89 | 220C2030014 220C2030037 | C | Jatin Singh |
| 176 | 90.16 | 220C2030057 220C2030051 | В | Yash Sharma |
| _ | | 220C2030051 220C2030057 | В | Astha Rai |
| 177 | 88.52 | | | |
| 178 | 96.72 | 220C2030059 | A+ | Meenakshi |
| 470 | 02.44 | 2206202020 | | Kamakolanu |
| 179 | 93.44 | 220C2030079 | C+ | Jashan Kamboj |
| 180 | 88.52 | 220C2030080 | C+ | Suryansh Sharma |
| 181 | 91.8 | 220C2030082 | B+ | Mohit Kalwar |
| 182 | 91.8 | 220C2030089 | В | Kushagra Gangwar |
| 183 | 86.89 | 220C2030142 | C+ | Divyam Verma |
| 184 | 91.8 | 220C2030153 | B+ | Shubhangi Sinha |
| 185 | 96.72 | 220C2030156 | B+ | Ayush Gurjar |
| 186 | 98.36 | 220C2030184 | A+ | Shreya Gupta |
| 187 | 90.16 | 220C2030186 | В | Gautam Jain |
| 188 | 81.97 | 220C2030187 | Α | Boppana Chaitanya |
| 189 | 96.72 | 220C2030189 | A+ | Sai Tejaswi Woonna |
| 190 | 93.44 | 220C2030190 | В | Vishwas Choudhary |
| 191 | 81.97 | 220C2030191 | В | Ananya Srivastava |
| 192 | 93.44 | 220C2030192 | В | Rithik Yadav |
| 193 | 93.44 | 220C2030193 | C+ | Shreyansh Tripathi |
| 194 | 95.08 | 220C2030194 | C+ | Vansh Tyagi |
| 195 | 78.69 | 220C2030195 | C+ | Yashveer Ahlawat |
| 196 | 83.61 | 220C2030196 | В | Rishabh . |
| 197 | 91.8 | 220C2030197 | В | Akshay Menon |
| 198 | 91.8 | 220C2030198 | А | Harshit Jain |
| 199 | 93.44 | 220C2030199 | B+ | Abhishek Sharma |
| 200 | 81.97 | 220C2030201 | C | Suryansh Dubey |
| 201 | 86.89 | 220C2030201 220C2030202 | С | Manish Kumar |
| 202 | 83.61 | 220C2030202 220C2030203 | C+ | Tanish Dhingra |
| 203 | 86.89 | 220C2030203 220C2030204 | В | Mukul Dev |
| 203 | 91.8 | 220C2030204 220C2030207 | в С+ | Anshul Gadia |
| 204 | | | | |
| | 93.44 | 220C2030208 | С | Akshay Parihar |
| 206 | 88.52 | 220C2030209 | B+ | Sai Ram Aditya |
| 207 | 04.0 | 22062626242 | <u> </u> | Kasarla |
| 207 | 91.8 | 220C2030212 | C+ | Abhishek Dadhich |
| 208 | 83.61 | 220C2030215 | В | Ayush Chauhan |
| 209 | 90.16 | 220C2030216 | A+ | Sai Sri Mohnit Akula |

| Pulagam Sanja Pulagam Sanj |
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| Malleboina Malleboina Malleboina 216 96.72 220C2030231 A+ Sayantan. 218 85.25 220C2030232 C+ Harshita Rupar 219 96.72 220C2030234 B Himanshu 220 95.08 220C2030235 B+ Mayank Garg 221 93.44 220C2030237 B+ Bhargavi Sharm 222 81.97 220C2030237 B+ Bhargavi Sharm 222 81.97 220C2030239 C+ Gautam Shuki. 223 95.08 220C2030239 C+ Gautam Shuki. 224 96.72 220C2030241 B Vansh Gulati 224 96.72 220C2030262 B Harshit Sahara 225 77.05 220C2030262 B Harshit Sahara 226 96.72 220C2030262 B Harshit Sahara 227 95.08 220C2030269 C+ Priyanshu Garg 228 91.8 220C2030270 A+ Radhika Bhati 229 95.08 220C2030272 A+ Kushaal Adithy Kalluri 230 85.25 220C2030274 C Krish Sakhuja 231 88.52 220C2030276 B Rohit 231 88.52 220C2030276 B Rohit 233 93.44 220C2030276 B Rohit 233 93.44 220C2030276 B Rohit 234 75.41 220C2030010 C Manav Sharma 235 78.69 220C2030010 C Manav Sharma 235 78.69 220C2030010 C Manav Sharma 235 78.69 220C2030010 C Manav Sharma 236 86.89 220C2030040 C+ Rishi Mahajan 237 77.05 220C2030069 B+ Saransh Bharga 240 80.33 220C2030069 B+ Saransh Bharga 240 80.33 220C2030069 B+ Saransh Bharga 241 77.05 220C2030010 C Rishabh Sharma 242 90.16 220C2030106 B Lakshya Binda 244 77.05 220C2030106 B Lakshya Binda 244 77.05 220C2030107 C Harsh Singh 244 77.05 220C2030101 C Harsh Singh 244 77.05 220C2030102 B+ Rittka Yadav 246 78.69 220C2030182 B+ Rittka Yadav 246 78.69 220C2030182 B+ Rittka Yadav 246 78.69 220C2030183 C+ Vassu 247 75.41 220C2030183 C+ Vassu 248 75.41 220C2030183 C+ Vassu 249 86.89 220C2030183 C+ Vassu 247 75.41 220C2030183 C+ Vassu 248 75.41 220C2030183 C+ Vassu 249 86.89 2 |
| 216 96.72 220C2030230 B+ Robin Yadav 217 95.08 220C2030231 A+ Sayantan. 218 85.25 220C2030232 C+ Harshita Rupar 219 96.72 220C2030234 B Himanshu 220 95.08 220C2030235 B+ Mayank Garg 221 93.44 220C2030237 B+ Bhargavi Sharm 222 81.97 220C2030239 C+ Gautam Shukli 223 95.08 220C2030239 C+ Gautam Shukli 223 95.08 220C2030241 B Vansh Gulati 224 96.72 220C2030243 C+ Abhinav. 225 77.05 220C2030262 B Harshit Sahara 226 96.72 220C2030262 B Harshit Sahara 226 96.72 220C2030268 B Ashish Saharia 227 95.08 220C2030269 C+ Priyanshu Garg 228 91.8 220C2030270 A+ Radhika Bhati 229 95.08 220C2030272 A+ Rubhinav. Rulhuri Rulhuri 230 85.25 220C2030273 C+ Sahil Merothia 231 88.52 220C2030274 C Krish Sakhuja 232 93.44 220C2030279 A+ Deepanshu Agga 234 75.41 220C2030001 C Manav Sharmi 233 93.44 220C2030279 A+ Deepanshu Agga 234 75.41 220C2030001 C Manav Sharmi 235 78.69 220C203004 B Anmol Maheshw 236 86.89 220C203004 C+ Rishi Mahajan 237 77.05 220C2030050 B Rohit Rathi 238 80.33 220C2030069 B+ Saransh Bharga 240 80.33 220C2030069 B+ Saransh Bharga 240 80.33 220C2030069 B+ Saransh Bharga 244 77.05 220C2030069 B+ Ritham 244 77.05 220C2030010 C Harsh Singh 245 95.08 220C2030112 C Harsh Singh 245 95.08 220C2030112 C Harsh Singh 245 95.08 220C2030112 C Harsh Singh 246 78.69 220C2030182 B+ Ritika Yadav 246 78.69 220C2030183 C Harsh Singh 246 78.69 220C2030183 C Harsh Singh 247 75.41 220C2030183 C Harsh Singh 248 75.41 220C2030183 C Harsh Singh 248 75.41 220C2030183 C Harsh Singh 249 86.89 |
| 217 95.08 220C2030231 A+ Sayantan. 218 85.25 220C2030232 C+ Harshita Rupar 219 96.72 220C2030234 B Himanshu 220 95.08 220C2030235 B+ Mayank Garg 221 93.44 220C2030237 B+ Bhargavi Sharm 222 81.97 220C2030241 B Vansh Gulati 223 95.08 220C2030243 C+ Abhinav 224 96.72 220C2030262 B Harshit Sahara 225 77.05 220C2030262 B Harshit Sahara 227 95.08 220C2030269 C+ Priyanshu Garg 228 91.8 220C2030270 A+ Radhika Bhati 229 95.08 220C2030272 A+ Kushaal Adithy Kushaal Adithy Kushaal Adithy Kushaal Adithy 230 85.25 220C2030273 C+ Sahil Merothia 231 88.52 220C2030274 |
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| 219 96.72 220C2030234 B Himanshu 220 95.08 220C2030235 B+ Mayank Garg 221 93.44 220C2030237 B+ Bhargavi Sharm 222 81.97 220C2030239 C+ Gautam Shukik 223 95.08 220C2030241 B Vansh Gulati 224 96.72 220C2030262 B Harshit Sahara 226 96.72 220C2030268 B Ashish Saharia 227 95.08 220C2030269 C+ Priyanshu Garg 228 91.8 220C2030270 A+ Radhika Bhati 229 95.08 220C2030272 A+ Kushaal Adithy 231 88.52 220C2030273 C+ Sahil Merothia 231 88.52 220C2030274 C Krish Sakhuja 233 93.44 220C2030274 C Krish Sakhuja 234 75.41 220C2030074 B Rohit 235 78.69 |
| 220 95.08 220C2030235 B+ Mayank Garg 221 93.44 220C2030237 B+ Bhargavi Sharm 222 81.97 220C2030239 C+ Gautam Shukl 223 95.08 220C2030241 B Vansh Gulati 224 96.72 220C2030262 B Harshit Sahara 226 96.72 220C2030268 B Ashish Saharia 226 96.72 220C2030269 C+ Priyanshu Garg 228 91.8 220C2030270 A+ Radhika Bhati 229 95.08 220C2030272 A+ Kushaal Adithy 230 85.25 220C2030273 C+ Sahil Merothia 231 88.52 220C2030274 C Krish Sakhuja 232 93.44 220C2030276 B Rohit 233 93.44 220C20300276 B Rohit 234 75.41 220C2030076 B Anmol Maheshw 235 78.69 <t< td=""></t<> |
| 221 93.44 220C2030237 B+ Bhargavi Sharm 222 81.97 220C2030239 C+ Gautam Shukl 223 95.08 220C2030241 B Vansh Gulati 224 96.72 220C2030262 B Harshit Sahara 226 96.72 220C2030268 B Ashish Saharia 227 95.08 220C2030269 C+ Priyanshu Gar 228 91.8 220C2030270 A+ Radhika Bhati 229 95.08 220C2030272 A+ Kushaal Adithy 81 85.25 220C2030273 C+ Sahil Merothik 231 88.52 220C2030274 C Krish Sakhuja 232 93.44 220C2030276 B Rohit 233 93.44 220C2030279 A+ Deepanshu Aggar 234 75.41 220C20300279 A+ Deepanshu Aggar 235 78.69 220C2030034 B Anmol Maleshw 236 86.89 |
| 222 81.97 220C2030239 C+ Gautam Shuki 223 95.08 220C2030241 B Vansh Gulati 224 96.72 220C2030262 B Harshit Sahara 226 96.72 220C2030268 B Harshit Sahara 226 96.72 220C2030269 C+ Priyanshu Gar 227 95.08 220C2030270 A+ Radhika Bhati 229 95.08 220C2030272 A+ Kushaal Adithy 230 85.25 220C2030273 C+ Sahil Merothia 231 88.52 220C2030274 C Krish Sakhuja 232 93.44 220C2030276 B Rohit 233 93.44 220C2030279 A+ Deepanshu Aggar 234 75.41 220C20300279 A+ Deepanshu Aggar 234 75.41 220C2030001 C Manav Sharm 235 78.69 220C2030004 C+ Rishi Mahjan 237 77.05 |
| 223 95.08 220C2030241 B Vansh Gulati 224 96.72 220C2030243 C+ Abhinay 225 77.05 220C2030262 B Harshit Sahara 226 96.72 220C2030268 B Ashish Saharia 227 95.08 220C2030269 C+ Priyanshu Gar 228 91.8 220C2030270 A+ Radhika Bhati 229 95.08 220C2030272 A+ Kushaal Adithy Kalluri Kalluri Kalluri Kalluri 230 85.25 220C2030273 C+ Sahil Merothia 231 88.52 220C2030274 C Krish Sakhuja 232 93.44 220C2030276 B Rohit 233 93.44 220C2030279 A+ Deepanshu Aggar 234 75.41 220C2030001 C Manav Sharma 235 78.69 220C2030034 B Anmol Maheshw 236 86.89 220C2030040 |
| 224 96.72 220C2030243 C+ Abhinav . 225 77.05 220C2030262 B Harshit Sahara 226 96.72 220C2030268 B Ashish Saharia 227 95.08 220C2030269 C+ Priyanshu Gar 228 91.8 220C2030270 A+ Radhika Bhati 229 95.08 220C2030272 A+ Kushaal Adithy 230 85.25 220C2030273 C+ Sahil Merothia 231 88.52 220C2030274 C Krish Sakhuja 232 93.44 220C2030276 B Rohit 233 93.44 220C2030279 A+ Deepanshu Aggar 234 75.41 220C20300279 A+ Deepanshu Aggar 234 75.41 220C2030040 C Manav Sharmi 235 78.69 220C2030040 B Annol Maheshw 236 86.89 220C2030040 C+ Rishab Rohit Rathi 238 |
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| 226 96.72 220C2030268 B Ashish Saharia 227 95.08 220C2030269 C+ Priyanshu Garı 228 91.8 220C2030270 A+ Radhika Bhati 229 95.08 220C2030272 A+ Kushaal Adithy 230 85.25 220C2030273 C+ Sahil Merothia 231 88.52 220C2030274 C Krish Sakhuja 232 93.44 220C2030276 B Rohit 233 93.44 220C2030279 A+ Deepanshu Aggar 234 75.41 220C2030001 C Manav Sharma 235 78.69 220C2030034 B Anmol Maheshw 236 86.89 220C2030050 B Rohit Rathi 238 80.33 220C2030050 B Rohit Rathi 239 86.89 220C2030069 B+ Saransh Bharga 240 80.33 220C2030069 B+ Saransh Bharga 240 80.33 |
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| 238 80.33 220C2030063 B+ Manan Lakhoti 239 86.89 220C2030069 B+ Saransh Bharga 240 80.33 220C2030085 C+ Rishabh Sharm 241 77.05 220C2030101 C Jayant 242 90.16 220C2030106 B Lakshya Binda 243 88.52 220C2030144 B+ Akshit Gupta 244 77.05 220C2030172 C Harsh Singh 245 95.08 220C2030182 B+ Ritika Yadav 246 78.69 220C2030183 C+ Vaasu 247 75.41 220C2030188 C Apoorva Tyag 248 75.41 220C2030205 B Vansh Shukla 249 86.89 220C2030211 B+ Priyanshi Srivast: 250 88.52 220C2030217 B Shruti 251 90.16 220C2030233 B Harsh Kumar |
| 239 86.89 220C2030069 B+ Saransh Bharga 240 80.33 220C2030085 C+ Rishabh Sharm 241 77.05 220C2030101 C Jayant 242 90.16 220C2030106 B Lakshya Binda 243 88.52 220C2030144 B+ Akshit Gupta 244 77.05 220C2030172 C Harsh Singh 245 95.08 220C2030182 B+ Ritika Yadav 246 78.69 220C2030183 C+ Vaasu 247 75.41 220C2030188 C Apoorva Tyag 248 75.41 220C2030205 B Vansh Shukla 249 86.89 220C2030211 B+ Priyanshi Srivasta 250 88.52 220C2030217 B Shruti 251 90.16 220C2030233 B Harsh Kumar |
| 240 80.33 220C2030085 C+ Rishabh Sharm 241 77.05 220C2030101 C Jayant 242 90.16 220C2030106 B Lakshya Binda 243 88.52 220C2030144 B+ Akshit Gupta 244 77.05 220C2030172 C Harsh Singh 245 95.08 220C2030182 B+ Ritika Yadav 246 78.69 220C2030183 C+ Vaasu 247 75.41 220C2030188 C Apoorva Tyag 248 75.41 220C2030205 B Vansh Shukla 249 86.89 220C2030211 B+ Priyanshi Srivasta 250 88.52 220C2030217 B Shruti 251 90.16 220C2030233 B Harsh Kumar |
| 240 80.33 220C2030085 C+ Rishabh Sharm 241 77.05 220C2030101 C Jayant 242 90.16 220C2030106 B Lakshya Binda 243 88.52 220C2030144 B+ Akshit Gupta 244 77.05 220C2030172 C Harsh Singh 245 95.08 220C2030182 B+ Ritika Yadav 246 78.69 220C2030183 C+ Vaasu 247 75.41 220C2030188 C Apoorva Tyag 248 75.41 220C2030205 B Vansh Shukla 249 86.89 220C2030211 B+ Priyanshi Srivasta 250 88.52 220C2030217 B Shruti 251 90.16 220C2030233 B Harsh Kumar |
| 241 77.05 220C2030101 C Jayant 242 90.16 220C2030106 B Lakshya Binda 243 88.52 220C2030144 B+ Akshit Gupta 244 77.05 220C2030172 C Harsh Singh 245 95.08 220C2030182 B+ Ritika Yadav 246 78.69 220C2030183 C+ Vaasu 247 75.41 220C2030188 C Apoorva Tyag 248 75.41 220C2030205 B Vansh Shukla 249 86.89 220C2030211 B+ Priyanshi Srivasta 250 88.52 220C2030217 B Shruti 251 90.16 220C2030233 B Harsh Kumar |
| 242 90.16 220C2030106 B Lakshya Binda 243 88.52 220C2030144 B+ Akshit Gupta 244 77.05 220C2030172 C Harsh Singh 245 95.08 220C2030182 B+ Ritika Yadav 246 78.69 220C2030183 C+ Vaasu 247 75.41 220C2030188 C Apoorva Tyag 248 75.41 220C2030205 B Vansh Shukla 249 86.89 220C2030211 B+ Priyanshi Srivasta 250 88.52 220C2030217 B Shruti 251 90.16 220C2030233 B Harsh Kumar |
| 243 88.52 220C2030144 B+ Akshit Gupta 244 77.05 220C2030172 C Harsh Singh 245 95.08 220C2030182 B+ Ritika Yadav 246 78.69 220C2030183 C+ Vaasu 247 75.41 220C2030188 C Apoorva Tyag 248 75.41 220C2030205 B Vansh Shukla 249 86.89 220C2030211 B+ Priyanshi Srivasta 250 88.52 220C2030217 B Shruti 251 90.16 220C2030233 B Harsh Kumar |
| 244 77.05 220C2030172 C Harsh Singh 245 95.08 220C2030182 B+ Ritika Yadav 246 78.69 220C2030183 C+ Vaasu 247 75.41 220C2030188 C Apoorva Tyag 248 75.41 220C2030205 B Vansh Shukla 249 86.89 220C2030211 B+ Priyanshi Srivast: 250 88.52 220C2030217 B Shruti 251 90.16 220C2030233 B Harsh Kumar |
| 245 95.08 220C2030182 B+ Ritika Yadav 246 78.69 220C2030183 C+ Vaasu 247 75.41 220C2030188 C Apoorva Tyag 248 75.41 220C2030205 B Vansh Shukla 249 86.89 220C2030211 B+ Priyanshi Srivast: 250 88.52 220C2030217 B Shruti 251 90.16 220C2030233 B Harsh Kumar |
| 246 78.69 220C2030183 C+ Vaasu 247 75.41 220C2030188 C Apoorva Tyag 248 75.41 220C2030205 B Vansh Shukla 249 86.89 220C2030211 B+ Priyanshi Srivast: 250 88.52 220C2030217 B Shruti 251 90.16 220C2030233 B Harsh Kumar |
| 247 75.41 220C2030188 C Apoorva Tyag 248 75.41 220C2030205 B Vansh Shukla 249 86.89 220C2030211 B+ Priyanshi Srivasta 250 88.52 220C2030217 B Shruti 251 90.16 220C2030233 B Harsh Kumar |
| 248 75.41 220C2030205 B Vansh Shukla 249 86.89 220C2030211 B+ Priyanshi Srivasta 250 88.52 220C2030217 B Shruti 251 90.16 220C2030233 B Harsh Kumar |
| 249 86.89 220C2030211 B+ Priyanshi Srivasta 250 88.52 220C2030217 B Shruti 251 90.16 220C2030233 B Harsh Kumar |
| 250 88.52 220C2030217 B Shruti 251 90.16 220C2030233 B Harsh Kumar |
| 251 90.16 220C2030233 B Harsh Kumar |
| |
| |
| 252 75.41 220C2030250 A Vikram Mittal |
| 253 93.44 220C2030254 B+ Mishthi |
| 254 88.52 220C2030264 B Anshul Yadav |
| 255 81.97 220C2030265 B Udit Kumar |
| 256 88.52 220C2030266 B+ Vivek Sherawa |
| 257 86.89 220C2030277 A+ Aditya Tak |
| 258 80.33 220C2030278 C+ Anjali |
| 259 81.97 220C2030282 B Aakankshi |
| |
| |
| 260 91.8 220C2030287 B Sujal Yadav |
| 261 91.8 220C2030289 B+ Shivanshu - |
| 261 91.8 220C2030289 B+ Shivanshu - 262 81.97 220C2030290 B+ Anurag Ananc |
| 261 91.8 220C2030289 B+ Shivanshu - |

| 265 | 75.41 | 220C2030297 | С | Dishank Sharma |
|-----|-------|-------------|----|---------------------|
| 266 | 88.52 | 220C2030301 | B+ | Umesh |
| 267 | 95.08 | 220C2030302 | В | Ashim Choudhary |
| 268 | 85.25 | 220C2030303 | C+ | Harsh |
| 269 | 85.25 | 220C2030304 | В | Keshav . |
| 270 | 88.52 | 220C2030306 | В | Ishika Panwar |
| 271 | 80.33 | 220C2030307 | B+ | K Sai Revanth |
| | | | | Revanth |
| 272 | 80.33 | 220C2030308 | В | Vaibhav Chauhan |
| 273 | 96.72 | 220C2030309 | В | Man Mohit Yadav |
| 274 | 78.69 | 220C2030310 | C+ | Gaurav Chaudhary |
| 275 | 86.89 | 220C2030312 | B+ | Aayush Bhardwaj |
| 276 | 90.16 | 220C2030313 | B+ | Vineet Kumar |
| 277 | 90.16 | 220C2030314 | Α | Deepanshi |
| 278 | 75.41 | 220C2030315 | C+ | Nishant Kasana |
| 279 | 95.08 | 220C2030316 | В | Umang Gupta |
| 280 | 77.05 | 220C2030317 | B+ | Utplaksh Mishra |
| 281 | 81.97 | 220C2030318 | B+ | Komal Sharma |
| 282 | 81.97 | 220C2030319 | В | Sunny Bishnoi |
| 283 | 86.89 | 220C2030320 | С | Kartik |
| 284 | 90.16 | 220C2030321 | Α | Himanshu . |
| 285 | 91.8 | 220C2030322 | Α | Vivek Sachdeva |
| 286 | 78.69 | 220C2030323 | В | Tanish Somani |
| 287 | 83.61 | 220C2030324 | С | Sugandha Choudhary |
| 288 | 80.33 | 220C2030327 | C+ | Tushar Tripathi |
| 289 | 88.52 | 220C2030328 | В | Charu Saini |
| 290 | 85.25 | 220C2030329 | C+ | Harshad Kaushal |
| 291 | 91.8 | 220C2030330 | B+ | Ashwikk Patel |
| 292 | 78.69 | 220C2030331 | B+ | Rahul Sharma |
| 293 | 83.61 | 220C2030332 | В | Harsh Sehrawat |
| 294 | 83.61 | 220C2030334 | Α | Dipanshu Srivastava |
| 295 | 91.8 | 220C2030336 | Α | Lakshay Nandwani |

19. Attendance Report

| Sr.No | Attendance | Unique Id. | Grading | Student Name |
|-------|------------|----------------------------|---------------|-------------------------|
| 1 | 80.56 | 220C2030054 | C+ | Kanika |
| 2 | 80.56 | 220C2030062 | В | SAGAR SINDHU |
| 3 | 97.22 | 220C2030065 | В | DIVYANSHU BANSAL |
| 4 | 97.22 | 220C2030068 | В | Ananya Aggarwal |
| 5 | 83.33 | 220C2030070 | С | Karan Sharma |
| 6 | 86.11 | 220C2030071 | B+ | Nihar Singla |
| 7 | 83.33 | 220C2030073 | В | Abhinav Vuddagiri |
| 8 | 77.78 | 220C2030074 | В | Aryan Pratap Singh |
| 9 | 75 | 220C2030076 | B+ | Dhruv Sharma |
| 10 | 83.33 | 220C2030077 | B+ | Aastha Singh |
| 11 | 88.89 | 220C2030078 | B+ | Siddhika Sinha |
| 12 | 77.78 | 220C2030081 | B+ | Saatvik Bhola |
| 13 | 94.44 | 220C2030086 | С | Sapare Aravind |
| 14 | 91.67 | 220C2030087 | B+ | Vishwajeet Tripathi |
| 15 | 83.33 | 220C2030091 | B+ | Gopala Krishna Nuthakki |
| 16 | 86.11 | 220C2030093 | B+ | Vemula Chetan Nihith |
| 17 | 83.33 | 220C2030096 | С | Punit Yadav |
| 18 | 91.67 | 220C2030098 | В | Sanskar Gupta |
| 19 | 94.44 | 220C2030099 | C | jatin nunach |
| 20 | 97.22 | 220C2030102 | B+ | Nirbhay |
| 21 | 77.78 | 220C2030105 | C+ | GUNEET CHAWLA |
| 22 | 91.67 | 220C2030108 | В | Raghvendra Singh |
| | 31.07 | 22002030100 | J | Chouhan |
| 23 | 83.33 | 220C2030109 | B+ | Siddharth Singh |
| 24 | 83.33 | 220C2030111 | В | ANIL KUMAR |
| 25 | 94.44 | 220C2030114 | A | Aman Gupta |
| 26 | 80.56 | 220C2030115 | C+ | Daksh Verma |
| 27 | 88.89 | 220C2030116 | В | Ayushman Raghav |
| 28 | 88.89 | 220C2030118 | B+ | Pranav Raj |
| 29 | 86.11 | 220C2030119 | В | Aditya Rastogi |
| 30 | 91.67 | 220C2030119 220C2030120 | A | Nikhil Kumar Tomar |
| 31 | 86.11 | 220C2030127 | В | Bhuwan Dahiya |
| 32 | 91.67 | 220C2030127 220C2030181 | В | Piyush Garg |
| 33 | 94.44 | 220C2030181 220C2030185 | В В | Bhavesh Choudhary |
| 34 | 91.67 | 220C2030183 220C2030210 | В В | Puray Malik |
| 35 | 91.67 | 220C2030210 220C2030223 | В В | Shaleen Chordia |
| 36 | 91.67 | 220C2030225 220C2030245 | C+ | Vishal Yadav |
| 37 | 86.11 | 220C2030247 | C+ | Peehu Khandelwal |
| 38 | 88.89 | 220C2030247 220C2030248 | | Pryanshu Kumar |
| 39 | | | А В | Paras Khola |
| | 80.56 | 220C2030249 | | |
| 40 | 100 | 220C2030251 | В | Swapnadip Nandi |
| 41 | 91.67 | 220C2030253 | <u>В</u> С | CHAITANYA KALRA |
| 42 | 91.67 | 220C2030256 | | Shashank Gupta |
| 43 | 80.56 | 220C2030257 | C+ | Anirudh Shukla |
| 44 | 83.33 | 220C2030258 | B+ | Suryadeep . |
| 45 | 86.11 | 220C2030267 | В | Manan Khandelwal |
| 46 | 91.67 | 220C2030283 | В | Manav Saini |
| 47 | 86.11 | 220C2030284 | C+ | Himanshu Chaturvedi |
| 48 | 94.44 | 220C2030285 | C+ | Raghav Malik |
| 49 | 86.11 | 220C2030288 | В | Archie Khubnani |
| 50 | 94.44 | 220C2030293 | Α | Manav |
| 51 | 86.11 | 220C2030305 | B+ | Shivam Purohit |
| 52 | 88.89 | 220C2030311 | В | Ritika Gupta |
| 53 | 88.89 | 220C2030326 | Α | Ashish Ranjan |

| 54 | 88.89 | 220C2030333 | B+ | Siddhant Kalla |
|-----|--------|----------------------------|---------|-----------------------------|
| 55 | 80.77 | 220C2030002 | A | Batchu Ratna Lahari |
| 56 | 76.92 | 220C2030003 | Α | Nishant Luhera |
| 57 | 82.69 | 220C2030006 | C+ | Vidyansh Raj Gupta |
| 58 | 90.38 | 220C2030007 | В | Monika |
| 59 | 65.38 | 220C2030008 | C+ | Nakshatra Mittal |
| 60 | 94.23 | 220C2030009 | A | Manavendra Singh |
| 61 | 92.31 | 220C2030010 | С | Raj Kumar Shrivas |
| 62 | 88.46 | 220C2030011 | B+ | Sanya Goel |
| 63 | 76.92 | 220C2030012 | Α | Likhit Sagar Gajja |
| 64 | 80.77 | 220C2030016 | A+ | Sarthak Gupta |
| 65 | 78.85 | 220C2030017 | C+ | Jasmine Sindhu |
| 66 | 88.46 | 220C2030018 | A+ | Anirudh Dattu |
| 67 | 84.62 | 220C2030019 | C+ | Himanshu Mohanty |
| 68 | 82.69 | 220C2030020 | C+ | Rohan Dhingra |
| 69 | 82.69 | 220C2030022 | Α | Akaash Gupta Vandanapu |
| 70 | 84.62 | 220C2030023 | A+ | Abhay Rajesh Shah |
| 71 | 82.69 | 220C2030024 | В | Lalit Kumar |
| 72 | 86.54 | 220C2030025 | B+ | Naman Sharma |
| 73 | 86.54 | 220C2030026 | С | ROHIT YADAV |
| 74 | 84.62 | 220C2030027 | B+ | Aryashrestha Sagar |
| 75 | 78.85 | 220C2030028 | В | Aryyan Ahlawat |
| 76 | 92.31 | 220C2030029 | В | BHAVUK |
| 77 | 80.77 | 220C2030030 | B+ | Rongali Aryan |
| 78 | 78.85 | 220C2030032 | В | Vikas Choudhary |
| 79 | 90.38 | 220C2030033 | C+ | Muskan Yadav |
| 80 | 78.85 | 220C2030036 | В | E Umesh |
| 81 | 84.62 | 220C2030038 | В | Mitnapure Prasad Sharad |
| 82 | 78.85 | 220C2030044 | В | Basireddy Nithishreddy |
| 83 | 90.38 | 220C2030045 | В | Chinmay Srivastava |
| 84 | 84.62 | 220C2030045 220C2030046 | В А | Sheena Mittal |
| 85 | 82.69 | 220C2030047 | В | Akshay Katoch |
| 86 | 84.62 | | в А+ | |
| | | 220C2030048 | | Aakarsh Purwar |
| 87 | 84.62 | 220C2030049 | В | Akshaya Velumuri |
| 88 | 86.54 | 220C2030052 | Α | Manasvi . |
| 89 | 80.77 | 220C2030053 | A | Mayank Pratap Singh |
| 90 | 61.54 | 220C2030055 | С | Aadit Arora |
| 91 | 75 | 220C2030058 | C+ | Pranav Kanumuri |
| 92 | 82.69 | 220C2030060 | A+ | Raghav Arora |
| 93 | 86.54 | 220C2030067 | В | YAMA LALITHA SAI MADHURI |
| 94 | 82.69 | 220C2030075 | С | Prashant Kumar |
| 95 | 75 | 220C2030083 | В | Rudra Gupta |
| 96 | 84.62 | 220C2030090 | B+ | Maitri Sharma |
| 97 | 94.23 | 220C2030100 | B+ | Archit Prasher |
| 98 | 98.08 | 220C2030110 | B+ | RAGHUVANSH SINGH PARMAR |
| 99 | 78.85 | 220C2030112 | A+ | Viresh Chauhan |
| 100 | 86.54 | 220C2030170 | B+ | Aditya Agarwal |
| 101 | 94.23 | 220C2030178 | B+ | Kartik Mehta |
| 102 | 82.69 | 220C2030200 | B+ | Daksh Goel |
| 103 | 75 | 220C2030224 | B+ | Akshay Korrapati |
| 104 | 82.69 | 220C2030242 | В | Ruchi Verma |
| 105 | 92.31 | 220C2030246 | B+ | Daksh |
| 106 | 90.38 | 220C2030250 220C2030252 | B+ | Vidhika Mangla |
| 107 | 84.62 | 220C2030232 220C2030280 | B+ | Bhumika |
| 107 | 0-7.02 | 22002000 | יט | Britairina |

| 108 | 86.54 | 220C2030281 | В | Bhawna |
|-----|-------|----------------------------|----|------------------------|
| 109 | 78.85 | 220C2030299 | С | Govind Madhav Sharma |
| 110 | 80.77 | 220C2030300 | С | Ankur Singh |
| 111 | 81.25 | 220C2030015 | В | Ratul Pal |
| 112 | 81.25 | 220C2030021 | F | Vaibhav Arora |
| 113 | 81.25 | 220C2030031 | B+ | Nidamanuri Bhargava |
| | | | | Srinivas |
| 114 | 78.13 | 220C2030035 | А | Garv Garg |
| 115 | 75 | 220C2030072 | B+ | Saksham Pandla |
| 116 | 84.38 | 220C2030107 | A | Zahra Rakhshan |
| 117 | 78.13 | 220C2030113 | C+ | Udit Chauhan |
| 118 | 87.5 | 220C2030117 | B+ | Divas Sharma |
| 119 | 84.38 | 220C2030121 | B+ | Anurag Godara |
| 120 | 96.88 | 220C2030122 | В | Gaurangi |
| 121 | 84.38 | 220C2030123 | A+ | Siddhant Ashwary |
| 100 | 22.75 | 22222222 | | Tiwari |
| 122 | 93.75 | 220C2030124 | B+ | Priyansh Arora |
| 123 | 78.13 | 220C2030125 | A | Ishika Kochhar |
| 124 | 93.75 | 220C2030126 | A+ | Lakkshya Gupta |
| 125 | 87.5 | 220C2030128 | C+ | MOHAK GUPTA |
| 126 | 78.13 | 220C2030129 | В | Aditya Bansal |
| 127 | 87.5 | 220C2030130 | Α | PAVAN THRINATH |
| | | | | KALVAKOTA |
| 128 | 93.75 | 220C2030131 | В | Namrata DHINGRA |
| 129 | 93.75 | 220C2030132 | В | Jatin Kumar Phogat |
| 130 | 87.5 | 220C2030133 | В | Abhinav Sharma |
| 131 | 90.63 | 220C2030134 | В | Sohan Sen |
| 132 | 87.5 | 220C2030136 | C+ | Krishnansh Garg |
| 133 | 90.63 | 220C2030138 | A+ | Parag Garg |
| 134 | 90.63 | 220C2030139 | В | Yash Arora |
| 135 | 84.38 | 220C2030140 | В | Saurabh |
| 136 | 81.25 | 220C2030141 | В | Mridul Singh |
| 137 | 81.25 | 220C2030143 | B+ | Utkarsh Tonk |
| 138 | 78.13 | 220C2030145 | В | RISHIT ABHILASH |
| 139 | 78.13 | 220C2030147 | C+ | Shivanshi Goel |
| 140 | 84.38 | 220C2030148 | C+ | Hardik Pandey |
| 141 | 93.75 | 220C2030149 | D | Anup Kumar |
| 142 | 87.5 | 220C2030150 | A+ | Nishtha Jain |
| 143 | 87.5 | 220C2030151 | A+ | Gagan Singhal |
| 144 | 81.25 | 220C2030152 | B+ | Ayushi Singh |
| 145 | 87.5 | 220C2030154 | В | Phani Harshith Kotturu |
| 146 | 78.13 | 220C2030155 | В | Yogesh Sharma |
| 147 | 90.63 | 220C2030157 | B+ | Shradha Aggarwal |
| 148 | 81.25 | 220C2030157 220C2030159 | В | Hemant kumar |
| 149 | 87.5 | 220C2030160 | C+ | Divyansh verma |
| 150 | 90.63 | 220C2030160 220C2030161 | C+ | Suraj |
| 151 | 96.88 | 220C2030161 220C2030163 | В | Nishant |
| 151 | 96.88 | 220C2030163 220C2030164 | В | Ankit Rathi |
| 153 | 84.38 | 220C2030164 220C2030165 | | Bhomik Tomar |
| 153 | | | Α | |
| 155 | 81.25 | 220C2030167 | A | Vidushi Saxena |
| | 87.5 | 220C2030168 | C+ | Divyansh Verma |
| 156 | 87.5 | 220C2030169 | C | Chetan Sharma |
| 157 | 84.38 | 220C2030171 | В | Prakhar Kumar |
| 450 | 06.07 | 22062555474 | | Srivastava |
| 158 | 81.25 | 220C2030174 | В | B Anirudh |
| 159 | 84.38 | 220C2030175 | C+ | Aranav Kumar |
| 160 | 87.5 | 220C2030176 | В | Ayush Sengar |
| 161 | 75 | 220C2030177 | C+ | Nikhil Kumar |

| 162 | 04.25 | 22062020470 | | |
|-----|-------|----------------------------|----|------------------------|
| 162 | 81.25 | 220C2030179 | В | Vedansh Kumawat |
| 163 | 93.75 | 220C2030180 | A | DAKSHI ARORA |
| 164 | 81.25 | 220C2030213 | B+ | Anushka mishra |
| 165 | 75 | 220C2030228 | Α | Diya Rawal |
| 166 | 96.88 | 220C2030255 | Α | Deepanshu Mehlawat |
| 167 | 84.38 | 220C2030259 | С | Kashish Dagar |
| 168 | 84.38 | 220C2030260 | В | Anant Singh |
| 169 | 78.13 | 220C2030261 | C+ | Anant Upadhiyay |
| 170 | 93.75 | 220C2030263 | C+ | Anusha Singh |
| 171 | 84.38 | 220C2030292 | В | Gourav Sharma |
| 172 | 90.16 | 220C2030004 | В | Payal Dabas |
| 173 | 90.16 | 220C2030005 | С | Yash Vardhan Kasana |
| 174 | 95.08 | 220C2030014 | A+ | Anika Sharma |
| 175 | 86.89 | 220C2030037 | С | Jatin Singh |
| 176 | 90.16 | 220C2030051 | В | Yash Sharma |
| 177 | 88.52 | 220C2030057 | В | Astha Rai |
| 178 | 96.72 | 220C2030059 | A+ | Meenakshi Kamakolanu |
| 179 | 93.44 | 220C2030079 | C+ | Jashan Kamboj |
| 180 | 88.52 | 220C2030080 | C+ | Suryansh Sharma |
| 181 | 91.8 | 220C2030082 | B+ | Mohit Kalwar |
| 182 | 91.8 | 220C2030089 | В | Kushagra Gangwar |
| 183 | 86.89 | 220C2030142 | C+ | Divyam Verma |
| 184 | 91.8 | 220C2030153 | B+ | Shubhangi Sinha |
| 185 | 96.72 | 220C2030156 | B+ | Ayush Gurjar |
| 186 | 98.36 | 220C2030184 | A+ | Shreya Gupta |
| 187 | 90.16 | 220C2030186 | В | Gautam Jain |
| 188 | 81.97 | 220C2030187 | Α | Boppana Chaitanya |
| 189 | 96.72 | 220C2030189 | A+ | Sai Tejaswi Woonna |
| 190 | 93.44 | 220C2030190 | В | Vishwas Choudhary |
| 191 | 81.97 | 220C2030191 | В | Ananya Srivastava |
| 192 | 93.44 | 220C2030192 | В | Rithik Yadav |
| 193 | 93.44 | 220C2030193 | C+ | Shreyansh Tripathi |
| 194 | 95.08 | 220C2030194 | C+ | Vansh Tyagi |
| 195 | 78.69 | 220C2030195 | C+ | Yashveer Ahlawat |
| 196 | 83.61 | 220C2030196 | В | Rishabh . |
| 197 | 91.8 | 220C2030197 | В | Akshay Menon |
| 198 | 91.8 | 220C2030198 | A | Harshit Jain |
| 199 | 93.44 | 220C2030199 | B+ | Abhishek Sharma |
| 200 | 81.97 | 220C2030201 | C | Suryansh Dubey |
| 201 | 86.89 | 220C2030201 220C2030202 | С | Manish Kumar |
| 202 | 83.61 | 220C2030202 220C2030203 | C+ | Tanish Dhingra |
| 203 | 86.89 | 220C2030203 220C2030204 | В | Mukul Dev |
| 204 | 91.8 | 220C2030204 220C2030207 | C+ | Anshul Gadia |
| 205 | 93.44 | 220C2030207 220C2030208 | C | Akshay Parihar |
| 206 | | | | , |
| | 88.52 | 220C2030209 | B+ | Sai Ram Aditya Kasarla |
| 207 | 91.8 | 220C2030212 | C+ | Abhishek Dadhich |
| 208 | 83.61 | 220C2030215 | B | Ayush Chauhan |
| 209 | 90.16 | 220C2030216 | A+ | Sai Sri Mohnit Akula |
| 210 | 96.72 | 220C2030218 | A+ | Pulagam Sanjay Reddy |
| 211 | 93.44 | 220C2030219 | В | Aaditya Malhotra |
| 212 | 86.89 | 220C2030222 | В | Vinit Yaduvanshi |
| 213 | 96.72 | 220C2030225 | B+ | Khushi |
| 214 | 91.8 | 220C2030227 | Α | Sejal Kumari |
| 215 | 100 | 220C2030229 | A+ | Uday Sushanth |
| | | | | Malleboina |
| 216 | 96.72 | 220C2030230 | B+ | Robin Yadav |
| 217 | 95.08 | 220C2030231 | A+ | Sayantan . |
| 218 | 85.25 | 220C2030232 | C+ | Harshita Rupani |

| | | | _ | |
|-----|-------|----------------------------|---------------|-------------------------|
| 219 | 96.72 | 220C2030234 | В | Himanshu |
| 220 | 95.08 | 220C2030235 | B+ | Mayank Garg |
| 221 | 93.44 | 220C2030237 | B+ | Bhargavi Sharma |
| 222 | 81.97 | 220C2030239 | C+ | Gautam Shukla |
| 223 | 95.08 | 220C2030241 | В | Vansh Gulati |
| 224 | 96.72 | 220C2030243 | C+ | Abhinav . |
| 225 | 77.05 | 220C2030262 | В | Harshit Saharan |
| 226 | 96.72 | 220C2030268 | В | Ashish Saharia |
| 227 | 95.08 | 220C2030269 | C+ | Priyanshu Garg |
| 228 | 91.8 | 220C2030270 | A+ | Radhika Bhati |
| 229 | 95.08 | 220C2030272 | A+ | Kushaal Adithya Kalluri |
| 230 | 85.25 | 220C2030273 | C+ | Sahil Merothia |
| 231 | 88.52 | 220C2030274 | С | Krish Sakhuja |
| 232 | 93.44 | 220C2030276 | В | Rohit |
| 233 | 93.44 | 220C2030279 | A+ | Deepanshu Aggarwal |
| 234 | 75.41 | 220C2030001 | С | Manav Sharma |
| 235 | 78.69 | 220C2030034 | В | Anmol Maheshwari |
| 236 | 86.89 | 220C2030040 | C+ | Rishi Mahajan |
| 237 | 77.05 | 220C2030050 | В | Rohit Rathi |
| 238 | 80.33 | 220C2030063 | B+ | Manan Lakhotia |
| 239 | 86.89 | 220C2030069 | B+ | Saransh Bhargava |
| 240 | 80.33 | 220C2030085 | C+ | Rishabh Sharma |
| 241 | 77.05 | 220C2030101 | С | Jayant |
| 242 | 90.16 | 220C2030106 | В | Lakshya Bindal |
| 243 | 88.52 | 220C2030144 | B+ | Akshit Gupta |
| 244 | 77.05 | 220C2030172 | С | Harsh Singh |
| 245 | 95.08 | 220C2030182 | B+ | Ritika Yadav |
| 246 | 78.69 | 220C2030183 | C+ | Vaasu |
| 247 | 75.41 | 220C2030188 | С | Apoorva Tyagi |
| 248 | 75.41 | 220C2030205 | В | Vansh Shukla |
| 249 | 86.89 | 220C2030211 | B+ | Priyanshi Srivastava |
| 250 | 88.52 | 220C2030217 | В | Shruti |
| 251 | 90.16 | 220C2030233 | В | Harsh Kumar |
| 252 | 75.41 | 220C2030250 | A | Vikram Mittal |
| 253 | 93.44 | 220C2030254 | B+ | Mishthi |
| 254 | 88.52 | 220C2030264 | В | Anshul Yadav |
| 255 | 81.97 | 220C2030265 | В | Udit Kumar |
| 256 | 88.52 | 220C2030266 | B+ | Vivek Sherawat |
| 257 | 86.89 | 220C2030277 | A+ | Aditya Tak |
| 258 | 80.33 | 220C2030277 220C2030278 | C+ | Anjali |
| 259 | 81.97 | 220C2030278 220C2030282 | В | Aakankshi |
| 260 | 91.8 | 220C2030282 220C2030287 | В | Sujal Yadav |
| 261 | 91.8 | 220C2030287 220C2030289 | В+ | Shivanshu - |
| 262 | 81.97 | 220C2030289 220C2030290 | В+ | Anurag Anand |
| 263 | 77.05 | 220C2030290 220C2030291 | C | Gaurish Bhatia |
| 264 | | | | |
| | 86.89 | 220C2030294 | <u>В</u> С | Sanjeev Kumar |
| 265 | 75.41 | 220C2030297 | | Dishank Sharma |
| 266 | 88.52 | 220C2030301 | B+ | Umesh |
| 267 | 95.08 | 220C2030302 | В | Ashim Choudhary |
| 268 | 85.25 | 220C2030303 | C+ | Harsh |
| 269 | 85.25 | 220C2030304 | В | Keshav . |
| 270 | 88.52 | 220C2030306 | В | Ishika Panwar |
| 271 | 80.33 | 220C2030307 | B+ | K Sai Revanth Revanth |
| 272 | 80.33 | 220C2030308 | В | Vaibhav Chauhan |
| 273 | 96.72 | 220C2030309 | В | Man Mohit Yadav |
| 274 | 78.69 | 220C2030310 | C+ | Gaurav Chaudhary |
| 275 | 86.89 | 220C2030312 | B+ | Aayush Bhardwaj |
| 276 | 90.16 | 220C2030313 | B+ | Vineet Kumar |

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| 277 | 90.16 | 220C2030314 | A | Deepanshi |
|-----|-------|-------------|----|---------------------|
| 278 | 75.41 | 220C2030315 | C+ | Nishant Kasana |
| 279 | 95.08 | 220C2030316 | В | Umang Gupta |
| 280 | 77.05 | 220C2030317 | B+ | Utplaksh Mishra |
| 281 | 81.97 | 220C2030318 | B+ | Komal Sharma |
| 282 | 81.97 | 220C2030319 | В | Sunny Bishnoi |
| 283 | 86.89 | 220C2030320 | С | Kartik |
| 284 | 90.16 | 220C2030321 | A | Himanshu . |
| 285 | 91.8 | 220C2030322 | A | Vivek Sachdeva |
| 286 | 78.69 | 220C2030323 | В | Tanish Somani |
| 287 | 83.61 | 220C2030324 | С | Sugandha Choudhary |
| 288 | 80.33 | 220C2030327 | C+ | Tushar Tripathi |
| 289 | 88.52 | 220C2030328 | В | Charu Saini |
| 290 | 85.25 | 220C2030329 | C+ | Harshad Kaushal |
| 291 | 91.8 | 220C2030330 | B+ | Ashwikk Patel |
| 292 | 78.69 | 220C2030331 | B+ | Rahul Sharma |
| 293 | 83.61 | 220C2030332 | В | Harsh Sehrawat |
| 294 | 83.61 | 220C2030334 | A | Dipanshu Srivastava |
| 295 | 91.8 | 220C2030336 | A | Lakshay Nandwani |

18, 20 Detail of Marks in all components up to the End Semester

| Sr.No | Unique Id. | Student Name | Attendance | Grading | Synopsis- 1 Out of (10) | Mid Term Exam-1 Out of (30) | Quiz Offline NON ERP-1 Out of (20) | End Term Presentation- 1 Out of (40) | TOTAL Marks(100.0) Out of (100) |
|-------|-------------|--------------------------------|------------|---------|----------------------------------|---|---|---|---------------------------------------|
| 1 | 220C2030054 | Kanika | 80.56 | C+ | 7 | 18 | 7 | 28 | 60 |
| 2 | 220C2030062 | SAGAR SINDHU | 80.56 | В | 8.5 | 22 | 9 | 29 | 68.5 |
| 3 | 220C2030065 | DIVYANSHU BANSAL | 97.22 | В | 7.5 | 22 | 12 | 26 | 67.5 |
| 4 | 220C2030068 | Ananya Aggarwal | 97.22 | В | 7.5 | 19 | 11 | 30 | 67.5 |
| 5 | 220C2030070 | Karan Sharma | 83.33 | С | 6 | 16 | 13 | 22 | 57 |
| 6 | 220C2030071 | Nihar Singla | 86.11 | B+ | 7.5 | 23 | 12 | 28 | 70.5 |
| 7 | 220C2030073 | Abhinav Vuddagiri | 83.33 | В | 7.5 | 18 | 14 | 26 | 65.5 |
| 8 | 220C2030074 | Aryan Pratap Singh | 77.78 | В | 8 | 21 | 10 | 29 | 68 |
| 9 | 220C2030076 | Dhruv Sharma | 75 | B+ | 8 | 21 | 13 | 29 | 71 |
| 10 | 220C2030077 | Aastha Singh | 83.33 | B+ | 8 | 21 | 12 | 29 | 70 |
| 11 | 220C2030078 | Siddhika Sinha | 88.89 | B+ | 8 | 23 | 11 | 31 | 73 |
| 12 | 220C2030081 | Saatvik Bhola | 77.78 | B+ | 8.5 | 21 | 12 | 31 | 72.5 |
| 13 | 220C2030086 | Sapare Aravind | 94.44 | С | 7.5 | 17 | 6 | 26 | 56.5 |
| 14 | 220C2030087 | Vishwajeet Tripathi | 91.67 | B+ | 9 | 20 | 16 | 27 | 72 |
| 15 | 220C2030091 | Gopala Krishna Nuthakki | 83.33 | B+ | 8.5 | 19 | 19 | 26 | 72.5 |
| 16 | 220C2030093 | Vemula Chetan Nihith | 86.11 | B+ | 8.5 | 19 | 16 | 26 | 69.5 |
| 17 | 220C2030096 | Punit Yadav | 83.33 | С | 6.5 | 21 | 6 | 25 | 58.5 |
| 18 | 220C2030098 | Sanskar Gupta | 91.67 | В | 9 | 22 | 11 | 27 | 69 |
| 19 | 220C2030099 | jatin nunach | 94.44 | С | 7 | 19 | 5 | 26 | 57 |
| 20 | 220C2030102 | Nirbhay | 97.22 | B+ | 7.5 | 22 | 11 | 29 | 69.5 |
| 21 | 220C2030105 | GUNEET CHAWLA | 77.78 | C+ | 8 | 19 | 11 | 25 | 63 |
| 22 | 220C2030108 | Raghvendra Singh Chouhan | 91.67 | В | 7.5 | 20 | 14 | 27 | 68.5 |
| 23 | 220C2030109 | Siddharth Singh | 83.33 | B+ | 8.5 | 21 | 13 | 29 | 71.5 |
| 24 | 220C2030111 | ANIL KUMAR | 83.33 | В | 7 | 19 | 13 | 25 | 64 |
| 25 | 220C2030114 | Aman Gupta | 94.44 | Α | 8.5 | 21 | 14 | 31 | 74.5 |
| 26 | 220C2030115 | Daksh Verma | 80.56 | C+ | 7 | 18 | 8 | 28 | 61 |
| 27 | 220C2030116 | Ayushman Raghav | 88.89 | В | 7 | 21 | 10 | 29 | 67 |
| 28 | 220C2030118 | Pranav Raj | 88.89 | B+ | 8.5 | 21 | 11 | 30 | 70.5 |
| 29 | 220C2030119 | Aditya Rastogi | 86.11 | В | 7.5 | 19 | 11 | 29 | 66.5 |
| 30 | 220C2030120 | Nikhil Kumar Tomar | 91.67 | А | 9 | 21 | 17 | 28 | 75 |
| 31 | 220C2030127 | Bhuwan Dahiya | 86.11 | В | 7.5 | 20 | 13 | 28 | 68.5 |
| 32 | 220C2030181 | Piyush Garg | 91.67 | В | 7.5 | 22 | 11 | 26 | 66.5 |

| 33 | 220C2030185 | Bhavesh Choudhary | 94.44 | В | 8.5 | 22 | 7 | 29 | 66.5 |
|----|-------------|------------------------|-------|----|-----|----|----|----|------|
| 34 | 220C2030210 | Purav Malik | 91.67 | В | 6.5 | 19 | 11 | 28 | 64.5 |
| 35 | 220C2030223 | Shaleen Chordia | 91.67 | В | 7 | 20 | 11 | 28 | 66 |
| 36 | 220C2030245 | Vishal Yadav | 91.67 | C+ | 8 | 18 | 13 | 24 | 63 |
| 37 | 220C2030247 | Peehu Khandelwal | 86.11 | C+ | 7.5 | 19 | 6 | 29 | 61.5 |
| 38 | 220C2030248 | Pryanshu Kumar | 88.89 | Α | 8 | 22 | 13 | 31 | 74 |
| 39 | 220C2030249 | Paras Khola | 80.56 | В | 7.5 | 20 | 11 | 28 | 66.5 |
| 40 | 220C2030251 | Swapnadip Nandi | 100 | В | 8 | 19 | 11 | 28 | 66 |
| 41 | 220C2030253 | CHAITANYA KALRA | 91.67 | В | 6.5 | 19 | 8 | 30 | 63.5 |
| 42 | 220C2030256 | Shashank Gupta | 91.67 | С | 6 | 17 | 9 | 23 | 55 |
| 43 | 220C2030257 | Anirudh Shukla | 80.56 | C+ | 7 | 20 | 7 | 28 | 62 |
| 44 | 220C2030258 | Suryadeep . | 83.33 | B+ | 8.5 | 21 | 9 | 31 | 69.5 |
| 45 | 220C2030267 | Manan Khandelwal | 86.11 | В | 8.5 | 22 | 7 | 29 | 66.5 |
| 46 | 220C2030283 | Manav Saini | 91.67 | В | 7.5 | 20 | 11 | 27 | 65.5 |
| 47 | 220C2030284 | Himanshu Chaturvedi | 86.11 | C+ | 6.5 | 21 | 7 | 25 | 59.5 |
| 48 | 220C2030285 | Raghav Malik | 94.44 | C+ | 6.5 | 15 | 11 | 28 | 60.5 |
| 49 | 220C2030288 | Archie Khubnani | 86.11 | В | 7 | 20 | 13 | 29 | 69 |
| 50 | 220C2030293 | Manav | 94.44 | Α | 8.5 | 23 | 12 | 30 | 73.5 |
| 51 | 220C2030305 | Shivam Purohit | 86.11 | B+ | 8 | 22 | 11 | 30 | 71 |
| 52 | 220C2030311 | Ritika Gupta | 88.89 | В | 7 | 20 | 11 | 29 | 67 |
| 53 | 220C2030326 | Ashish Ranjan | 88.89 | Α | 7.5 | 23 | 13 | 30 | 73.5 |
| 54 | 220C2030333 | Siddhant Kalla | 88.89 | B+ | 8 | 22 | 10 | 31 | 71 |
| 55 | 220C2030002 | Batchu Ratna Lahari | 80.77 | Α | 9 | 24 | 9 | 34 | 76 |
| 56 | 220C2030003 | Nishant Luhera | 76.92 | Α | 9 | 24 | 8 | 35 | 76 |
| 57 | 220C2030006 | Vidyansh Raj Gupta | 82.69 | C+ | 5 | 17 | 11 | 29 | 62 |
| 58 | 220C2030007 | Monika | 90.38 | В | 7.5 | 20 | 11 | 28 | 66.5 |
| 59 | 220C2030008 | Nakshatra Mittal | 65.38 | C+ | 7 | 19 | 11 | 28 | 65 |
| 60 | 220C2030009 | Manavendra Singh | 94.23 | А | 9 | 24 | 11 | 30 | 74 |
| 61 | 220C2030010 | Raj Kumar Shrivas | 92.31 | С | 6 | 18 | 8 | 23 | 55 |
| 62 | 220C2030011 | Sanya Goel | 88.46 | B+ | 8 | 22 | 13 | 30 | 73 |
| 63 | 220C2030012 | Likhit Sagar Gajja | 76.92 | Α | 6.5 | 22 | 16 | 30 | 74.5 |
| 64 | 220C2030016 | Sarthak Gupta | 80.77 | A+ | 8.5 | 23 | 15 | 30 | 76.5 |
| 65 | 220C2030017 | Jasmine Sindhu | 78.85 | C+ | 8 | 17 | 6 | 30 | 61 |
| 66 | 220C2030018 | Anirudh Dattu | 88.46 | A+ | 9 | 24 | 17 | 34 | 84 |
| 67 | 220C2030019 | Himanshu Mohanty | 84.62 | C+ | 8 | 20 | 8 | 25 | 61 |
| 68 | 220C2030020 | Rohan Dhingra | 82.69 | C+ | 7 | 19 | 9 | 28 | 63 |

| 69 | 220C2030022 | Akaash Gupta Vandanapu | 82.69 | А | 9 | 22 | 13 | 30 | 74 |
|-----|-------------|--------------------------------|-------|----|-----|----|----|----|------|
| 70 | 220C2030023 | Abhay Rajesh Shah | 84.62 | A+ | 9 | 24 | 13 | 32 | 78 |
| 71 | 220C2030024 | Lalit Kumar | 82.69 | В | 5 | 20 | 13 | 26 | 64 |
| 72 | 220C2030025 | Naman Sharma | 86.54 | B+ | 8.5 | 23 | 11 | 30 | 72.5 |
| 73 | 220C2030026 | ROHIT YADAV | 86.54 | С | 6 | 18 | 10 | 23 | 57 |
| 74 | 220C2030027 | Aryashrestha | 84.62 | B+ | 8 | 24 | 9 | 30 | 71 |
| 75 | 220C2030028 | Sagar Aryyan | 78.85 | В | 8 | 18 | 11 | 30 | 67 |
| | | Ahlawat | | | | | | | |
| 76 | 220C2030029 | BHAVUK | 92.31 | В | 7.5 | 21 | 6 | 32 | 66.5 |
| 77 | 220C2030030 | Rongali Aryan | 80.77 | B+ | 9 | 22 | 9 | 30 | 70 |
| 78 | 220C2030032 | Vikas Choudhary | 78.85 | В | 8 | 20 | 12 | 24 | 64 |
| 79 | 220C2030033 | Muskan Yadav | 90.38 | C+ | 7.5 | 19 | 10 | 24 | 60.5 |
| 80 | 220C2030036 | E Umesh | 78.85 | В | 7 | 20 | 13 | 26 | 66 |
| 81 | 220C2030038 | Mitnapure | 84.62 | В | 8.5 | 19 | 9 | 29 | 65.5 |
| | | Prasad Sharad | | _ | | | | | |
| 82 | 220C2030044 | Basireddy Nithishreddy | 78.85 | В | 7 | 20 | 13 | 26 | 66 |
| 83 | 220C2030045 | Chinmay Srivastava | 90.38 | В | 8 | 23 | 11 | 26 | 68 |
| 84 | 220C2030046 | Sheena Mittal | 84.62 | А | 8.5 | 24 | 13 | 29 | 74.5 |
| 85 | 220C2030047 | Akshay Katoch | 82.69 | В | 7.5 | 18 | 11 | 30 | 66.5 |
| 86 | 220C2030048 | Aakarsh Purwar | 84.62 | A+ | 9 | 24 | 14 | 31 | 78 |
| 87 | 220C2030049 | Akshaya Velumuri | 84.62 | В | 7.5 | 19 | 13 | 24 | 63.5 |
| 88 | 220C2030052 | Manasvi . | 86.54 | Α | 8.5 | 23 | 13 | 29 | 73.5 |
| 89 | 220C2030053 | Mayank | 80.77 | A | 8 | 24 | 13 | 30 | 75 |
| | | Pratap Singh | | | | | | | |
| 90 | 220C2030055 | Aadit Arora | 61.54 | С | 7.5 | 19 | 11 | 24 | 61.5 |
| 91 | 220C2030058 | Pranav Kanumuri | 75 | C+ | 9 | 20 | 5 | 26 | 60 |
| 92 | 220C2030060 | Raghav Arora | 82.69 | A+ | 9 | 22 | 13 | 33 | 77 |
| 93 | 220C2030067 | YAMA LALITHA SAI MADHURI | 86.54 | В | 7.5 | 19 | 13 | 24 | 63.5 |
| 94 | 220C2030075 | Prashant Kumar | 82.69 | С | 6 | 18 | 12 | 23 | 59 |
| 95 | 220C2030083 | Rudra Gupta | 75 | В | 8 | 17 | 14 | 30 | 69 |
| 96 | 220C2030090 | Maitri Sharma | 84.62 | B+ | 8 | 24 | 9 | 32 | 73 |
| 97 | 220C2030100 | Archit Prasher | 94.23 | B+ | 7.5 | 23 | 11 | 29 | 70.5 |
| 98 | 220C2030110 | RAGHUVANSH SINGH PARMAR | 98.08 | B+ | 8 | 23 | 14 | 26 | 71 |
| 99 | 220C2030112 | Viresh Chauhan | 78.85 | A+ | 9 | 24 | 17 | 35 | 85 |
| 100 | 220C2030170 | Aditya Agarwal | 86.54 | B+ | 8.5 | 23 | 13 | 28 | 72.5 |
| 101 | 220C2030178 | Kartik Mehta | 94.23 | B+ | 9.5 | 21 | 13 | 27 | 70.5 |
| 102 | 220C2030200 | Daksh Goel | 82.69 | B+ | 9 | 23 | 8 | 32 | 72 |
| 103 | 220C2030224 | Akshay Korrapati | 75 | B+ | 6.5 | 22 | 12 | 30 | 70.5 |
| 104 | 220C2030242 | Ruchi Verma | 82.69 | В | 7.5 | 20 | 8 | 29 | 64.5 |
| | | | | | | | | | |

| 105 | 220C2030246 | Daksh | 92.31 | B+ | 7 | 22 | 12 | 29 | 70 |
|-----|-------------|---------------|-------|----|-----|----|-----|----|------|
| 106 | 220C2030252 | Vidhika | 90.38 | B+ | 8 | 24 | 10 | 30 | 72 |
| 100 | | Mangla | 30.00 | | | | | | , _ |
| 107 | 220C2030280 | Bhumika | 84.62 | B+ | 9 | 21 | 11 | 32 | 73 |
| 108 | 220C2030281 | Bhawna | 86.54 | В | 9 | 21 | 5 | 32 | 67 |
| 109 | 220C2030299 | Govind | 78.85 | С | 8 | 20 | 5 | 25 | 58 |
| | | Madhav | | | | | | | |
| | | Sharma | | | | | | | |
| 110 | 220C2030300 | Ankur Singh | 80.77 | С | 8 | 20 | 7 | 24 | 59 |
| 111 | 220C2030015 | Ratul Pal | 81.25 | В | 9 | 22 | 8 | 30 | 69 |
| 112 | 220C2030021 | Vaibhav Arora | 81.25 | F | 0 | 16 | 1 | 0 | 17 |
| 113 | 220C2030031 | Nidamanuri | 81.25 | B+ | 9 | 24 | 8 | 32 | 73 |
| | | Bhargava | | | | | | | |
| | | Srinivas | | | | | | | |
| 114 | 220C2030035 | Garv Garg | 78.13 | Α | 9 | 24 | 9 | 33 | 75 |
| 115 | 220C2030072 | Saksham | 75 | B+ | 7 | 23 | 10 | 31 | 71 |
| | | Pandla | | | | | | | |
| 116 | 220C2030107 | Zahra | 84.38 | Α | 9 | 22 | 12 | 31 | 74 |
| | | Rakhshan | | | | | | | |
| 117 | 220C2030113 | Udit Chauhan | 78.13 | C+ | 6 | 18 | 10 | 28 | 62 |
| 118 | 220C2030117 | Divas Sharma | 87.5 | B+ | 8 | 22 | 11 | 30 | 71 |
| 119 | 220C2030121 | Anurag | 84.38 | B+ | 7.5 | 23 | 10 | 30 | 70.5 |
| | | Godara | | | | | | | |
| 120 | 220C2030122 | Gaurangi | 96.88 | В | 7 | 21 | 9 | 29 | 66 |
| 121 | 220C2030123 | Siddhant | 84.38 | A+ | 9 | 24 | 12 | 33 | 78 |
| | | Ashwary | | | | | | | |
| | | Tiwari | | | | | | | |
| 122 | 220C2030124 | Priyansh | 93.75 | B+ | 7 | 24 | 12 | 27 | 70 |
| | | Arora | | | | | | | |
| 123 | 220C2030125 | Ishika | 78.13 | Α | 7 | 23 | 15 | 31 | 76 |
| | | Kochhar | | | | | | | |
| 124 | 220C2030126 | Lakkshya | 93.75 | A+ | 9 | 23 | 15 | 32 | 79 |
| | | Gupta | | | | | | | |
| 125 | 220C2030128 | MOHAK | 87.5 | C+ | 7.5 | 24 | 7 | 24 | 62.5 |
| | | GUPTA | | | | | | | |
| 126 | 220C2030129 | Aditya Bansal | 78.13 | В | 6.5 | 18 | 7 | 32 | 63.5 |
| 127 | 220C2030130 | PAVAN | 87.5 | Α | 9 | 23 | 12 | 32 | 76 |
| | | THRINATH | | | | | | | |
| | | KALVAKOTA | | | | | | | |
| 128 | 220C2030131 | Namrata | 93.75 | В | 8 | 22 | 6 | 29 | 65 |
| | | DHINGRA | | _ | _ | | | | |
| 129 | 220C2030132 | Jatin Kumar | 93.75 | В | 5 | 20 | 13 | 27 | 65 |
| | | Phogat | | _ | _ | | | | |
| 130 | 220C2030133 | Abhinav | 87.5 | В | 7 | 21 | 8 | 31 | 67 |
| | | Sharma | | _ | | | _ | | |
| 131 | 220C2030134 | Sohan Sen | 90.63 | В | 6.5 | 21 | 7 | 29 | 63.5 |
| 132 | 220C2030136 | Krishnansh | 87.5 | C+ | 5.5 | 21 | 9 | 27 | 62.5 |
| 400 | 22002022125 | Garg | 00.00 | | 0.5 | 22 | 4.2 | 22 | 77.5 |
| 133 | 220C2030138 | Parag Garg | 90.63 | A+ | 8.5 | 23 | 13 | 33 | 77.5 |
| 134 | 220C2030139 | Yash Arora | 90.63 | В | 7 | 24 | 11 | 27 | 69 |
| 135 | 220C2030140 | Saurabh | 84.38 | В | 7.5 | 22 | 13 | 24 | 66.5 |
| 136 | 220C2030141 | Mridul Singh | 81.25 | В | 7 | 21 | 9 | 31 | 68 |
| 137 | 220C2030143 | Utkarsh Tonk | 81.25 | B+ | 8 | 25 | 11 | 29 | 73 |
| 138 | 220C2030145 | RISHIT | 78.13 | В | 8 | 22 | 7 | 29 | 66 |
| 120 | 2200202047 | ABHILASH | 70 12 | C: | ГГ | 21 | 0 | 27 | C1 F |
| 139 | 220C2030147 | Shivanshi | 78.13 | C+ | 5.5 | 21 | 8 | 27 | 61.5 |
| 140 | 22002020140 | Goel | 04.20 | C | 7 | 21 | 2 | 20 | 60 |
| 140 | 220C2030148 | Hardik Pandey | 84.38 | C+ | 7 | 21 | 3 | 29 | 60 |

| 141 | 220C2030149 | Anup Kumar | 93.75 | D | 0 | 20 | 3 | 26 | 49 |
|-----|----------------------------|-----------------------|-------|----|-----|-----|----|----|------|
| 142 | 220C2030143 220C2030150 | Nishtha Jain | 87.5 | A+ | 8 | 26 | 16 | 29 | 79 |
| 143 | 220C2030150 220C2030151 | Gagan Singhal | 87.5 | A+ | 8 | 24 | 14 | 32 | 78 |
| 144 | 220C2030151 220C2030152 | Ayushi Singh | 81.25 | B+ | 8 | 24 | 8 | 32 | 72 |
| 145 | 220C2030152 220C2030154 | Phani | 87.5 | В | 7.5 | 24 | 10 | 24 | 65.5 |
| | | Harshith Kotturu | | | | | | | |
| 146 | 220C2030155 | Yogesh Sharma | 78.13 | В | 7 | 21 | 11 | 29 | 68 |
| 147 | 220C2030157 | Shradha Aggarwal | 90.63 | B+ | 7.5 | 23 | 11 | 30 | 71.5 |
| 148 | 220C2030159 | Hemant kumar | 81.25 | В | 5 | 18 | 10 | 31 | 64 |
| 149 | 220C2030160 | Divyansh verma | 87.5 | C+ | 6 | 22 | 7 | 26 | 61 |
| 150 | 220C2030161 | Suraj | 90.63 | C+ | 6.5 | 22 | 8 | 26 | 62.5 |
| 151 | 220C2030161 220C2030163 | Nishant | 96.88 | В | 4.5 | 24 | 9 | 29 | 66.5 |
| 152 | 220C2030164 | Ankit Rathi | 96.88 | В | 4.5 | 24 | 9 | 29 | 66.5 |
| 153 | 220C2030165 | Bhomik | 84.38 | A | 9 | 24 | 10 | 33 | 76 |
| 155 | 22002030103 | Tomar | 04.30 | | | 2-4 | 10 | 33 | 70 |
| 154 | 220C2030167 | Vidushi | 81.25 | Α | 9 | 22 | 12 | 31 | 74 |
| | | Saxena | S-1-2 | | | | | | |
| 155 | 220C2030168 | Divyansh Verma | 87.5 | C+ | 4.5 | 18 | 8 | 31 | 61.5 |
| 156 | 220C2030169 | Chetan Sharma | 87.5 | С | 8 | 21 | 6 | 24 | 59 |
| 157 | 220C2030171 | Prakhar | 84.38 | В | 6.5 | 22 | 9 | 27 | 64.5 |
| | | Kumar | | | | | | | |
| | | Srivastava | | | | | | | |
| 158 | 220C2030174 | B Anirudh | 81.25 | В | 8 | 22 | 8 | 31 | 69 |
| 159 | 220C2030175 | Aranav Kumar | 84.38 | C+ | 6.5 | 23 | 8 | 24 | 61.5 |
| 160 | 220C2030176 | Ayush Sengar | 87.5 | В | 7.5 | 23 | 8 | 28 | 66.5 |
| 161 | 220C2030177 | Nikhil Kumar | 75 | C+ | 6.5 | 23 | 8 | 24 | 61.5 |
| 162 | 220C2030179 | Vedansh Kumawat | 81.25 | В | 8 | 23 | 10 | 28 | 69 |
| 163 | 220C2030180 | DAKSHI ARORA | 93.75 | А | 8.5 | 23 | 10 | 33 | 74.5 |
| 164 | 220C2030213 | Anushka mishra | 81.25 | B+ | 7 | 24 | 13 | 29 | 73 |
| 165 | 220C2030228 | Diya Rawal | 75 | А | 7 | 24 | 15 | 29 | 75 |
| 166 | 220C2030255 | Deepanshu Mehlawat | 96.88 | Α | 7.5 | 24 | 11 | 31 | 73.5 |
| 167 | 220C2030259 | Kashish Dagar | 84.38 | С | 5.5 | 18 | 9 | 24 | 56.5 |
| 168 | 220C2030260 | Anant Singh | 84.38 | В | 7 | 21 | 9 | 29 | 66 |
| 169 | 220C2030261 | Anant Upadhiyay | 78.13 | C+ | 6.5 | 21 | 3 | 29 | 59.5 |
| 170 | 220C2030263 | Anusha Singh | 93.75 | C+ | 8 | 17 | 11 | 27 | 63 |
| 171 | 220C2030292 | Gourav Sharma | 84.38 | В | 8 | 23 | 8 | 28 | 67 |
| 172 | 220C2030004 | Payal Dabas | 90.16 | В | 8 | 23 | 5 | 30 | 66 |
| 173 | 220C203000 4 | Yash Vardhan | 90.16 | С | 5 | 22 | 8 | 24 | 59 |
| 1,3 | | Kasana | 20.10 | | | | | | |
| 174 | 220C2030014 | Anika Sharma | 95.08 | A+ | 9 | 26 | 10 | 32 | 77 |
| 175 | 220C2030037 | Jatin Singh | 86.89 | С | 5 | 21 | 7 | 24 | 57 |
| 176 | 220C2030051 | Yash Sharma | 90.16 | В | 6 | 22 | 9 | 28 | 65 |
| 177 | 220C2030057 | Astha Rai | 88.52 | В | 6 | 23 | 9 | 28 | 66 |
| 178 | 220C2030059 | Meenakshi | 96.72 | A+ | 9 | 25 | 12 | 32 | 78 |
| | | Kamakolanu | | | | | | | |

| 179 | 220C2030079 | Jashan Kamboj | 93.44 | C+ | 6 | 21 | 11 | 24 | 62 |
|-----|-------------|---------------------------|-------|----|---|----|----|----|----|
| 180 | 220C2030080 | Suryansh Sharma | 88.52 | C+ | 6 | 20 | 10 | 26 | 62 |
| 181 | 220C2030082 | Mohit Kalwar | 91.8 | B+ | 6 | 21 | 15 | 31 | 73 |
| 182 | 220C2030089 | Kushagra Gangwar | 91.8 | В | 6 | 23 | 12 | 28 | 69 |
| 183 | 220C2030142 | Divyam Verma | 86.89 | C+ | 5 | 22 | 12 | 24 | 63 |
| 184 | 220C2030153 | Shubhangi Sinha | 91.8 | B+ | 7 | 22 | 13 | 30 | 72 |
| 185 | 220C2030156 | Ayush Gurjar | 96.72 | B+ | 6 | 23 | 11 | 30 | 70 |
| 186 | 220C2030184 | Shreya Gupta | 98.36 | A+ | 9 | 26 | 13 | 32 | 80 |
| 187 | 220C2030186 | Gautam Jain | 90.16 | В | 6 | 18 | 13 | 28 | 65 |
| 188 | 220C2030187 | Boppana Chaitanya | 81.97 | А | 8 | 25 | 11 | 31 | 75 |
| 189 | 220C2030189 | Sai Tejaswi Woonna | 96.72 | A+ | 8 | 25 | 17 | 32 | 82 |
| 190 | 220C2030190 | Vishwas Choudhary | 93.44 | В | 7 | 23 | 9 | 28 | 67 |
| 191 | 220C2030191 | Ananya Srivastava | 81.97 | В | 7 | 19 | 9 | 30 | 65 |
| 192 | 220C2030192 | Rithik Yadav | 93.44 | В | 7 | 22 | 9 | 29 | 67 |
| 193 | 220C2030193 | Shreyansh Tripathi | 93.44 | C+ | 7 | 21 | 7 | 28 | 63 |
| 194 | 220C2030194 | Vansh Tyagi | 95.08 | C+ | 6 | 21 | 7 | 28 | 62 |
| 195 | 220C2030195 | Yashveer Ahlawat | 78.69 | C+ | 6 | 21 | 8 | 28 | 63 |
| 196 | 220C2030196 | Rishabh . | 83.61 | В | 7 | 20 | 10 | 30 | 67 |
| 197 | 220C2030197 | Akshay Menon | 91.8 | В | 7 | 21 | 10 | 28 | 66 |
| 198 | 220C2030198 | Harshit Jain | 91.8 | Α | 6 | 23 | 15 | 30 | 74 |
| 199 | 220C2030199 | Abhishek Sharma | 93.44 | B+ | 8 | 25 | 8 | 32 | 73 |
| 200 | 220C2030201 | Suryansh Dubey | 81.97 | С | 5 | 18 | 9 | 26 | 58 |
| 201 | 220C2030202 | Manish Kumar | 86.89 | С | 6 | 18 | 10 | 23 | 57 |
| 202 | 220C2030203 | Tanish Dhingra | 83.61 | C+ | 6 | 18 | 15 | 23 | 62 |
| 203 | 220C2030204 | Mukul Dev | 86.89 | В | 7 | 21 | 9 | 30 | 67 |
| 204 | 220C2030207 | Anshul Gadia | 91.8 | C+ | 7 | 21 | 7 | 28 | 63 |
| 205 | 220C2030208 | Akshay Parihar | 93.44 | С | 5 | 18 | 10 | 26 | 59 |
| 206 | 220C2030209 | Sai Ram Aditya Kasarla | 88.52 | B+ | 8 | 23 | 11 | 31 | 73 |
| 207 | 220C2030212 | Abhishek Dadhich | 91.8 | C+ | 7 | 19 | 10 | 25 | 61 |
| 208 | 220C2030215 | Ayush Chauhan | 83.61 | В | 7 | 23 | 10 | 28 | 68 |
| 209 | 220C2030216 | Sai Sri Mohnit Akula | 90.16 | A+ | 8 | 25 | 13 | 32 | 78 |
| 210 | 220C2030218 | Pulagam Sanjay Reddy | 96.72 | A+ | 8 | 25 | 13 | 32 | 78 |
| 211 | 220C2030219 | Aaditya Malhotra | 93.44 | В | 6 | 21 | 9 | 31 | 67 |
| 212 | 220C2030222 | Vinit Yaduvanshi | 86.89 | В | 7 | 22 | 7 | 30 | 66 |
| 213 | 220C2030225 | Khushi | 96.72 | B+ | 8 | 23 | 10 | 30 | 71 |

| 214 220C2030277 Sejal Kumari 91.8 A 8 25 10 32 75 |
|--|
| Sushanth Mallebolina |
| Malleboina Molin Vadav 96.72 B+ |
| 217 220C2030231 Sayantan 95.08 A+ 8 25 13 32 78 |
| 218 |
| Rupani |
| 2219 220C2030235 Mayank Garg 95.08 8+ |
| 220 220C2030235 Mayank Garg 95.08 B+ 7 22 10 31 70 21 220C2030237 Sharma 81.97 C+ 6 18 9 27 60 60 60 60 60 60 60 6 |
| 221 220C2030237 Shargari 93.44 B+ |
| Sharma |
| 222 220C2030239 Gautam 81.97 C+ 6 18 9 27 60 |
| Shukla S |
| 223 220C2030241 Vansh Gulati 95.08 B 7 18 12 27 64 |
| 224 220C2030243 Abhinav 96.72 C+ 7 18 11 27 63 |
| 225 |
| Saharan Saharan Saharan Sahish Saharia 96.72 B 8 20 7 30 65 227 220C2030269 Priyanshu 95.08 C+ 6 21 11 24 62 228 220C2030270 Radhika Bhati 91.8 A+ 9 25 10 33 77 229 220C2030272 Kushaal Adithya A+ 8 26 13 33 80 230 220C2030273 Sahil 85.25 C+ 6 20 9 25 60 231 220C2030276 Krish Sakhuja 88.52 C 6 18 6 28 58 232 220C2030276 Rohit 93.44 B 9 20 10 30 69 233 220C20300279 Deepanshu 93.44 A+ 9 25 10 33 77 234 220C2030001 Manav 75.41 <td< td=""></td<> |
| 226 220C2030268 Ashish Saharia 96.72 B 8 20 7 30 65 |
| 227 220C2030269 Priyanshu Garg 95.08 C+ 6 21 11 24 62 |
| Sarg |
| 228 220C2030270 Radhika Bhati 91.8 A+ 9 25 10 33 77 |
| Adithya Kalluri Sahii 85.25 C+ 6 20 9 25 60 |
| Sahil Sabil Sabi |
| 230 220C2030273 Sahil Merothia 85.25 C+ 6 20 9 25 60 |
| Merothia Rish Sakhuja Res.52 C G 18 G 28 58 |
| 231 220C2030274 Krish Sakhuja 88.52 C 6 18 6 28 58 |
| 232 220C2030276 Rohit 93.44 B 9 20 10 30 69 |
| 233 220C2030279 Deepanshu 93.44 A+ 9 25 10 33 77 |
| Aggarwal C 5 18 10 23 56 234 220C2030034 Anmol Sharma 78.69 B 8 21 10 30 69 236 220C2030040 Rishi Mahajan 86.89 C+ 7 21 8 27 63 237 220C2030050 Rohit Rathi 77.05 B 8 21 9 28 66 238 220C2030063 Manan Lakhotia 80.33 B+ 8 21 13 30 72 239 220C2030069 Saransh Bhargava 86.89 B+ 8 23 10 31 72 240 220C2030085 Rishabh Sharma 80.33 C+ 7 20 9 26 62 241 220C2030101 Jayant 77.05 C 6 18 9 23 56 242 220C2030106 Lakshya Bindal Bindal 88.52 B+ 8 21 |
| 234 220C2030001 Manav Sharma 75.41 C 5 18 10 23 56 235 220C2030034 Anmol Maheshwari 78.69 B 8 21 10 30 69 236 220C2030040 Rishi Mahajan 86.89 C+ 7 21 8 27 63 237 220C2030050 Rohit Rathi 77.05 B 8 21 9 28 66 238 220C2030063 Manan Lakhotia 80.33 B+ 8 21 13 30 72 239 220C2030069 Saransh Bhargava 86.89 B+ 8 23 10 31 72 240 220C2030085 Rishabh Sharma 80.33 C+ 7 20 9 26 62 241 220C2030101 Jayant 77.05 C 6 18 9 23 56 242 220C2030104 Akshit Gupta 88.52 |
| Sharma Sharma B 8 21 10 30 69 235 220C2030040 Rishi Mahajan 86.89 C+ 7 21 8 27 63 237 220C2030050 Rohit Rathi 77.05 B 8 21 9 28 66 238 220C2030063 Manan 80.33 B+ 8 21 13 30 72 239 220C2030069 Saransh 86.89 B+ 8 23 10 31 72 240 220C2030085 Rishabh 80.33 C+ 7 20 9 26 62 Sharma Sharma C+ 7 20 9 26 62 241 220C2030101 Jayant 77.05 C 6 18 9 23 56 242 220C2030106 Lakshya 90.16 B 6 21 10 30 67 2 |
| 235 220C2030034 Anmol 78.69 B 8 21 10 30 69 |
| Maheshwari |
| 236 220C2030040 Rishi Mahajan 86.89 C+ 7 21 8 27 63 237 220C2030050 Rohit Rathi 77.05 B 8 21 9 28 66 238 220C2030063 Manan 80.33 B+ 8 21 13 30 72 240 220C2030069 Saransh 86.89 B+ 8 23 10 31 72 240 220C2030085 Rishabh 80.33 C+ 7 20 9 26 62 Sharma Sharma C 6 18 9 23 56 241 220C2030101 Jayant 77.05 C 6 18 9 23 56 242 220C2030106 Lakshya 90.16 B 6 21 10 30 67 243 220C2030144 Akshit Gupta 88.52 B+ 8 21 13 28 |
| 237 220C2030050 Rohit Rathi 77.05 B 8 21 9 28 66 238 220C2030063 Manan 80.33 B+ 8 21 13 30 72 239 220C2030069 Saransh Bhargava 86.89 B+ 8 23 10 31 72 240 220C2030085 Rishabh Sharma 80.33 C+ 7 20 9 26 62 241 220C2030101 Jayant 77.05 C 6 18 9 23 56 242 220C2030106 Lakshya Bindal 90.16 B 6 21 10 30 67 243 220C2030144 Akshit Gupta 88.52 B+ 8 21 13 28 70 244 220C2030172 Harsh Singh 77.05 C 5 18 13 20 56 245 220C2030182 Ritika Yadav 95.08 |
| 238 220C2030063 Manan Lakhotia 80.33 B+ 8 21 13 30 72 239 220C2030069 Saransh Bhargava 86.89 B+ 8 23 10 31 72 240 220C2030085 Rishabh Sharma 80.33 C+ 7 20 9 26 62 Sharma Sharma C 6 18 9 23 56 241 220C2030101 Jayant 77.05 C 6 18 9 23 56 242 220C2030106 Lakshya 90.16 B 6 21 10 30 67 243 220C2030144 Akshit Gupta 88.52 B+ 8 21 13 28 70 244 220C2030172 Harsh Singh 77.05 C 5 18 13 20 56 245 220C2030182 Ritika Yadav 95.08 B+ 7 22 13 29 71 |
| Lakhotia Beauty Street Lakhotia Beauty Street |
| Bhargava C+ 7 20 9 26 62 Sharma Sharma C+ 7 20 9 26 62 241 220C2030101 Jayant 77.05 C 6 18 9 23 56 242 220C2030106 Lakshya 90.16 B 6 21 10 30 67 Bindal Bindal B+ 8 21 13 28 70 243 220C2030144 Akshit Gupta 88.52 B+ 8 21 13 28 70 244 220C2030172 Harsh Singh 77.05 C 5 18 13 20 56 245 220C2030182 Ritika Yadav 95.08 B+ 7 22 13 29 71 |
| 240 220C2030085 Rishabh Sharma 80.33 C+ 7 20 9 26 62 241 220C2030101 Jayant 77.05 C 6 18 9 23 56 242 220C2030106 Lakshya Bindal 90.16 B 6 21 10 30 67 243 220C2030144 Akshit Gupta 88.52 B+ 8 21 13 28 70 244 220C2030172 Harsh Singh 77.05 C 5 18 13 20 56 245 220C2030182 Ritika Yadav 95.08 B+ 7 22 13 29 71 |
| Sharma C 6 18 9 23 56 242 220C2030106 Lakshya Bindal 90.16 B 6 21 10 30 67 243 220C2030144 Akshit Gupta 88.52 B+ 8 21 13 28 70 244 220C2030172 Harsh Singh 77.05 C 5 18 13 20 56 245 220C2030182 Ritika Yadav 95.08 B+ 7 22 13 29 71 |
| 241 220C2030101 Jayant 77.05 C 6 18 9 23 56 242 220C2030106 Lakshya Bindal 90.16 B 6 21 10 30 67 243 220C2030144 Akshit Gupta 88.52 B+ 8 21 13 28 70 244 220C2030172 Harsh Singh 77.05 C 5 18 13 20 56 245 220C2030182 Ritika Yadav 95.08 B+ 7 22 13 29 71 |
| 242 220C2030106 Lakshya Bindal 90.16 B 6 21 10 30 67 243 220C2030144 Akshit Gupta 88.52 B+ 8 21 13 28 70 244 220C2030172 Harsh Singh 77.05 C 5 18 13 20 56 245 220C2030182 Ritika Yadav 95.08 B+ 7 22 13 29 71 |
| Bindal Bindal< |
| 243 220C2030144 Akshit Gupta 88.52 B+ 8 21 13 28 70 244 220C2030172 Harsh Singh 77.05 C 5 18 13 20 56 245 220C2030182 Ritika Yadav 95.08 B+ 7 22 13 29 71 |
| 244 220C2030172 Harsh Singh 77.05 C 5 18 13 20 56 245 220C2030182 Ritika Yadav 95.08 B+ 7 22 13 29 71 |
| 245 220C2030182 Ritika Yadav 95.08 B+ 7 22 13 29 71 |
| |
| 246 220C2030183 Vaasu 78.69 C+ 6 18 13 23 60 |
| 247 220C2030188 Apoorva Tyagi 75.41 C 5 18 10 20 53 |
| 248 220C2030205 Vansh Shukla 75.41 B 6 21 10 30 67 |
| 249 220C2030211 Priyanshi 86.89 B+ 7 23 10 30 70 |
| Srivastava Srivastava |
| 250 220C2030217 Shruti 88.52 B 7 21 10 28 66 |
| 251 220C2030233 Harsh Kumar 90.16 B 6 21 10 29 66 |
| 252 220C2030250 Vikram Mittal 75.41 A 7 23 15 29 74 |
| |

| 254 | 22062020264 | A 1 1 1 1 1 | 20.52 | | | 22 | 40 | 20 | 60 |
|------------|----------------------------|-------------------------------|-------|----|---|----|----------|----------|----|
| 254 | 220C2030264 | Anshul Yadav | 88.52 | В | 7 | 22 | 10 | 29 | 68 |
| 255 | 220C2030265 | Udit Kumar | 81.97 | В | 7 | 22 | 12 | 27 | 68 |
| 256 | 220C2030266 | Vivek Sherawat | 88.52 | B+ | 6 | 21 | 14 | 31 | 72 |
| 257 | 220C2030277 | Aditya Tak | 86.89 | A+ | 9 | 26 | 10 | 34 | 79 |
| 258 | 220C2030278 | Anjali | 80.33 | C+ | 6 | 19 | 11 | 27 | 63 |
| 259 | 220C2030282 | Aakankshi | 81.97 | В | 8 | 21 | 9 | 28 | 66 |
| 260 | 220C2030287 | Sujal Yadav | 91.8 | В | 6 | 21 | 9 | 30 | 66 |
| 261 | 220C2030289 | Shivanshu - | 91.8 | B+ | 8 | 22 | 11 | 31 | 72 |
| 262 | 220C2030290 | Anurag Anand | 81.97 | B+ | 8 | 23 | 11 | 30 | 72 |
| 263 | 220C2030291 | Gaurish | 77.05 | С | 6 | 17 | 11 | 22 | 56 |
| | | Bhatia | | | | | | | |
| 264 | 220C2030294 | Sanjeev Kumar | 86.89 | В | 7 | 19 | 11 | 27 | 64 |
| 265 | 220C2030297 | Dishank | 75.41 | С | 6 | 17 | 12 | 22 | 57 |
| 200 | 22062020201 | Sharma | 00.53 | B+ | 7 | 22 | 12 | 20 | 71 |
| 266 | 220C2030301 | Umesh | 88.52 | | 7 | 23 | 12 | 29 | 71 |
| 267 | 220C2030302 | Ashim Choudhary | 95.08 | В | 6 | 21 | 10 | 30 | 67 |
| 268 | 220C2030303 | Harsh | 85.25 | C+ | 7 | 18 | 12 | 24 | 61 |
| 269 | 220C2030304 | Keshav . | 85.25 | В | 7 | 22 | 14 | 26 | 69 |
| 270 | 220C2030306 | Ishika Panwar | 88.52 | В | 7 | 22 | 9 | 28 | 66 |
| 271 | 220C2030307 | K Sai Revanth Revanth | 80.33 | B+ | 8 | 23 | 9 | 30 | 70 |
| 272 | 220C2030308 | Vaibhav Chauhan | 80.33 | В | 7 | 21 | 9 | 27 | 64 |
| 273 | 220C2030309 | Man Mohit Yadav | 96.72 | В | 7 | 19 | 11 | 27 | 64 |
| 274 | 220C2030310 | Gaurav Chaudhary | 78.69 | C+ | 7 | 20 | 9 | 26 | 62 |
| 275 | 220C2030312 | Aayush Bhardwaj | 86.89 | B+ | 7 | 22 | 12 | 29 | 70 |
| 276 | 220C2030313 | Vineet Kumar | 90.16 | B+ | 8 | 21 | 15 | 29 | 73 |
| 277 | 220C2030314 | Deepanshi | 90.16 | A | 8 | 22 | 14 | 31 | 75 |
| 278 | 220C2030315 | Nishant | 75.41 | C+ | 6 | 18 | 13 | 25 | 62 |
| | | Kasana | | | | | | | |
| 279 | 220C2030316 | Umang Gupta | 95.08 | В | 6 | 21 | 13 | 29 | 69 |
| 280 | 220C2030317 | Utplaksh Mishra | 77.05 | B+ | 6 | 21 | 13 | 30 | 70 |
| 281 | 220C2030318 | Komal Sharma | 81.97 | B+ | 7 | 22 | 14 | 28 | 71 |
| 282 | 220C2030319 | Sunny Bishnoi | 81.97 | В | 6 | 19 | 12 | 27 | 64 |
| 283 | 220C2030320 | Kartik | 86.89 | С | 7 | 17 | 10 | 23 | 57 |
| 284 | 220C2030321 | Himanshu . | 90.16 | Α | 8 | 22 | 13 | 31 | 74 |
| 285 | 220C2030322 | Vivek Sachdeva | 91.8 | Α | 8 | 22 | 15 | 30 | 75 |
| 286 | 220C2030323 | Tanish Somani | 78.69 | В | 7 | 22 | 11 | 29 | 69 |
| 287 | 220C2030324 | Sugandha Choudhary | 83.61 | С | 6 | 17 | 6 | 24 | 53 |
| 288 | 220C2030327 | Tushar Tripathi | 80.33 | C+ | 5 | 22 | 6 | 27 | 60 |
| 289 | 220C2030328 | Charu Saini | 88.52 | В | 7 | 22 | 11 | 28 | 68 |
| 290 | 220C2030329 220C2030329 | Harshad Kaushal | 85.25 | C+ | 7 | 18 | 8 | 29 | 62 |
| 201 | 220C2030330 | | 91.8 | B+ | 0 | 22 | 12 | 20 | 73 |
| 291 292 | 220C2030330 220C2030331 | Ashwikk Patel Rahul Sharma | 78.69 | B+ | 8 | 22 | 13 13 | 30 31 | 73 |
| 292 | 220C2030331 220C2030332 | Harsh | 83.61 | В+ | 7 | 18 | 13 | 29 | 67 |
| 233 | 22002030332 | Sehrawat | 03.01 | D | , | 10 | 15 | 23 | 07 |

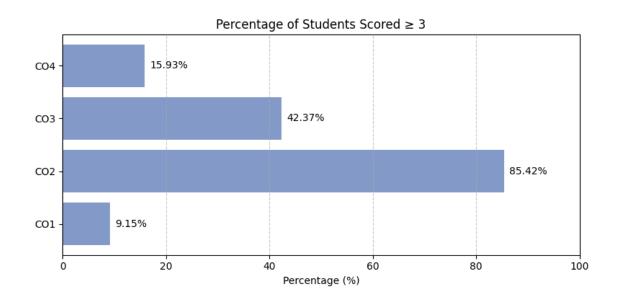
Digital Image Processing (CSE3022) Sem: 5th Sem

| 294 | 220C2030334 | Dipanshu | 83.61 | А | 7 | 23 | 14 | 30 | 74 |
|-----|-------------|------------|-------|---|---|----|----|----|----|
| | | Srivastava | | | | | | | |
| 295 | 220C2030336 | Lakshay | 91.8 | Α | 8 | 23 | 11 | 32 | 74 |
| | | Nandwani | | | | | | | |

12. CO Attainment Analysis

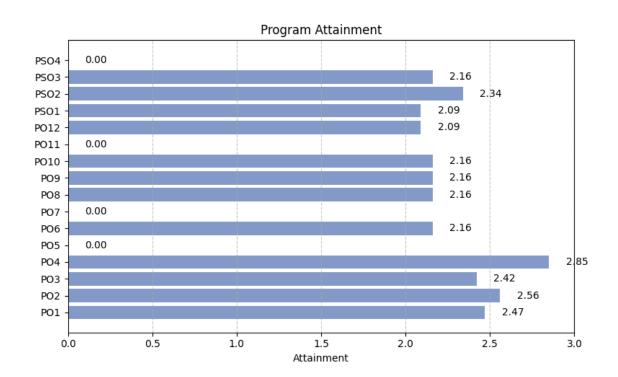
CO Attainment Summary

| Course Outcomes | CO1 | CO2 | CO3 | CO4 | | | |
|--|--------|--------|--------|--------|--|--|--|
| Weights | 12.00% | 12.00% | 13.00% | 13.00% | | | |
| No. of students scored greater than 3 | 27 | 252 | 125 | 47 | | | |
| Percentage of students scored greater than 3 | 9.15% | 85.42% | 42.37% | 15.93% | | | |
| Attainment Level | 1 | 3 | 2 | 1 | | | |
| Overall Course Attainment | 1.7500 | | | | | | |



Program Attainment

| Program Outcomes | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | PSO3 | PSO4 |
|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Program Attainment | 2.47 | 2.56 | 2.42 | 2.85 | 0.00 | 2.16 | 0.00 | 2.16 | 2.16 | 2.16 | 0.00 | 2.09 | 2.09 | 2.34 | 2.16 | 0.00 |



Student-wise CO Achievement

| NAME | CO1 Score | CO2 Score | CO3 Score | CO4 Score |
|--------------------------|-----------|-----------|-----------|-----------|
| Kanika | 2 | 2 | 2 | 2 |
| SAGAR SINDHU | 2 | 3 | 3 | 2 |
| DIVYANSHU BANSAL | 2 | 3 | 2 | 2 |
| Ananya Aggarwal | 2 | 3 | 2 | 2 |
| Karan Sharma | 2 | 2 | 2 | 2 |
| Nihar Singla | 2 | 3 | 3 | 2 |
| Abhinav Vuddagiri | 2 | 3 | 2 | 2 |
| Aryan Pratap Singh | 2 | 3 | 2 | 2 |
| Dhruv Sharma | 2 | 3 | 3 | 2 |
| Aastha Singh | 2 | 3 | 3 | 2 |
| Siddhika Sinha | 2 | 3 | 3 | 2 |
| Saatvik Bhola | 2 | 3 | 3 | 2 |
| Sapare Aravind | 2 | 2 | 2 | 2 |
| Vishwajeet Tripathi | 2 | 3 | 3 | 2 |
| Gopala Krishna Nuthakki | 2 | 3 | 3 | 2 |
| Vemula Chetan Nihith | 2 | 3 | 3 | 2 |
| Punit Yaday | 2 | 2 | 2 | 2 |
| Sanskar Gupta | 2 | 3 | 3 | 2 |
| jatin nunach | 2 | 2 | 2 | 2 |
| Nirbhay | 2 | 3 | 3 | 2 |
| GUNEET CHAWLA | 2 | 3 | 2 | 2 |
| Raghvendra Singh Chouhan | 2 | 3 | 2 | 2 |
| Siddharth Singh | 2 | 3 | 3 | 2 |
| ANIL KUMAR | 2 | 3 | 2 | 2 |
| Aman Gupta | 2 | 3 | 3 | 3 |
| Daksh Verma | 2 | 2 | 2 | 2 |
| Ayushman Raghav | 2 | 3 | 2 | 2 |
| Pranav Raj | 2 | 3 | 3 | 2 |
| Aditya Rastogi | 2 | 3 | 2 | 2 |
| Nikhil Kumar Tomar | 2 | 3 | 3 | 3 |
| Bhuwan Dahiya | 2 | 3 | 2 | 2 |
| Piyush Garg | 2 | 3 | 2 | 2 |
| Bhavesh Choudhary | 2 | 3 | 2 | 2 |
| Purav Malik | 2 | 3 | 2 | 2 |
| Shaleen Chordia | 2 | 3 | 2 | 2 |
| Vishal Yadav | 2 | 3 | 2 | 2 |
| Peehu Khandelwal | 2 | 2 | 2 | 2 |
| Pryanshu Kumar | 2 | 3 | 3 | 3 |
| Paras Khola | 2 | 3 | 2 | 2 |
| Swapnadip Nandi | 2 | 3 | 2 | 2 |
| CHAITANYA KALRA | 2 | 3 | 2 | 2 |
| Shashank Gupta | 2 | 2 | 2 | 2 |
| Anirudh Shukla | 2 | 3 | 2 | 2 |
| Suryadeep . | 2 | 3 | 3 | 2 |
| Manan Khandelwal | 2 | 3 | 2 | 2 |
| Manav Saini | 2 | 3 | 2 | 2 |
| Himanshu Chaturvedi | 2 | 2 | 2 | 2 |
| Raghav Malik | 2 | 2 | 2 | 2 |
| Nagnav Iviank | | | | |

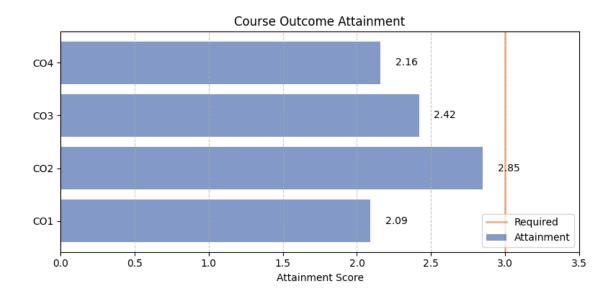
| Archie Khubnani | 2 | 3 | 2 | 2 |
|--------------------------|---|---|---|---|
| Manay | 2 | 3 | 3 | 2 |
| Shivam Purohit | 2 | 3 | 3 | 2 |
| Ritika Gupta | 2 | 3 | 2 | 2 |
| Ashish Ranjan | 2 | 3 | 3 | 2 |
| Siddhant Kalla | 2 | 3 | 3 | 2 |
| Batchu Ratna Lahari | 2 | 3 | 3 | 3 |
| Nishant Luhera | 2 | 3 | 3 | 3 |
| Vidyansh Raj Gupta | 2 | 3 | 2 | 2 |
| Monika | 2 | 3 | 2 | 2 |
| Nakshatra Mittal | 2 | 3 | 2 | 2 |
| | 2 | 3 | 3 | 3 |
| Manavendra Singh | | 2 | 2 | 2 |
| Raj Kumar Shrivas | 2 | | | |
| Sanya Goel | 2 | 3 | 3 | 2 |
| Likhit Sagar Gajja | 3 | 3 | 3 | 2 |
| Sarthak Gupta | 3 | 3 | 3 | 3 |
| Jasmine Sindhu | 2 | 2 | 2 | 2 |
| Anirudh Dattu | 3 | 3 | 3 | 3 |
| Himanshu Mohanty | 2 | 2 | 2 | 2 |
| Rohan Dhingra | 2 | 3 | 2 | 2 |
| Akaash Gupta Vandanapu | 2 | 3 | 3 | 3 |
| Abhay Rajesh Shah | 3 | 3 | 3 | 3 |
| Lalit Kumar | 2 | 3 | 2 | 2 |
| Naman Sharma | 2 | 3 | 3 | 2 |
| ROHIT YADAV | 2 | 2 | 2 | 2 |
| Aryashrestha Sagar | 2 | 3 | 3 | 2 |
| Aryyan Ahlawat | 2 | 3 | 2 | 2 |
| BHAVUK | 2 | 3 | 2 | 2 |
| Rongali Aryan | 2 | 3 | 3 | 2 |
| Vikas Choudhary | 2 | 3 | 2 | 2 |
| Muskan Yadav | 2 | 2 | 2 | 2 |
| E Umesh | 2 | 3 | 2 | 2 |
| Mitnapure Prasad Sharad | 2 | 3 | 2 | 2 |
| Basireddy Nithishreddy | 2 | 3 | 2 | 2 |
| Chinmay Srivastava | 2 | 3 | 2 | 2 |
| Sheena Mittal | 2 | 3 | 3 | 3 |
| Akshay Katoch | 2 | 3 | 2 | 2 |
| Aakarsh Purwar | 3 | 3 | 3 | 3 |
| Akshaya Velumuri | 2 | 3 | 2 | 2 |
| Manasvi . | 2 | 3 | 3 | 2 |
| Mayank Pratap Singh | 2 | 3 | 3 | 3 |
| Aadit Arora | 2 | 3 | 2 | 2 |
| Pranav Kanumuri | 2 | 2 | 2 | 2 |
| Raghav Arora | 3 | 3 | 3 | 3 |
| YAMA LALITHA SAI MADHURI | 2 | 3 | 2 | 2 |
| Prashant Kumar | 2 | 2 | 2 | 2 |
| Rudra Gupta | 2 | 3 | 3 | 2 |
| Maitri Sharma | 2 | 3 | 3 | 2 |
| Archit Prasher | 2 | 3 | 3 | 2 |
| RAGHUVANSH SINGH PARMAR | 2 | 3 | 3 | 2 |
| | | 3 | 3 | |
| Viresh Chauhan | 3 | 5 | 5 | 3 |

| Aditya Agarwal | 2 | 3 | 3 | 2 |
|------------------------------|---|---|---|---|
| Kartik Mehta | 2 | 3 | 3 | 2 |
| Daksh Goel | 2 | 3 | 3 | 2 |
| Akshay Korrapati | 2 | 3 | 3 | 2 |
| Ruchi Verma | 2 | 3 | 2 | 2 |
| Daksh | 2 | 3 | 3 | 2 |
| Vidhika Mangla | 2 | 3 | 3 | 2 |
| Bhumika | 2 | 3 | 3 | 3 |
| Bhawna | 2 | 3 | 3 | 2 |
| Govind Madhav Sharma | 2 | 2 | 2 | 2 |
| Ankur Singh | 2 | 2 | 2 | 2 |
| Ratul Pal | 2 | 3 | 3 | 2 |
| | | 1 | 1 | 1 |
| Vaibhav Arora | 2 | 3 | 3 | 3 |
| Nidamanuri Bhargava Srinivas | 2 | 3 | 3 | |
| Garv Garg Saksham Pandla | | | | 3 |
| | 2 | 3 | 3 | 2 |
| Zahra Rakhshan | 2 | 3 | 3 | 3 |
| Udit Chauhan | 2 | 3 | 2 | 2 |
| Divas Sharma | 2 | 3 | 3 | 2 |
| Anurag Godara | 2 | 3 | 3 | 2 |
| Gaurangi | 2 | 3 | 2 | 2 |
| Siddhant Ashwary Tiwari | 3 | 3 | 3 | 3 |
| Priyansh Arora | 2 | 3 | 2 | 2 |
| Ishika Kochhar | 3 | 3 | 3 | 3 |
| Lakkshya Gupta | 3 | 3 | 3 | 3 |
| MOHAK GUPTA | 2 | 3 | 2 | 2 |
| Aditya Bansal | 2 | 3 | 2 | 2 |
| PAVAN THRINATH KALVAKOTA | 2 | 3 | 3 | 3 |
| Namrata DHINGRA | 2 | 3 | 2 | 2 |
| Jatin Kumar Phogat | 2 | 3 | 2 | 2 |
| Abhinav Sharma | 2 | 3 | 2 | 2 |
| Sohan Sen | 2 | 3 | 2 | 2 |
| Krishnansh Garg | 2 | 3 | 2 | 2 |
| Parag Garg | 3 | 3 | 3 | 3 |
| Yash Arora | 2 | 3 | 2 | 2 |
| Saurabh | 2 | 3 | 2 | 2 |
| Mridul Singh | 2 | 3 | 2 | 2 |
| Utkarsh Tonk | 2 | 3 | 3 | 2 |
| RISHIT ABHILASH | 2 | 3 | 2 | 2 |
| Shivanshi Goel | 2 | 3 | 2 | 2 |
| Hardik Pandey | 2 | 2 | 2 | 2 |
| Anup Kumar | 2 | 2 | 2 | 2 |
| Nishtha Jain | 3 | 3 | 3 | 3 |
| Gagan Singhal | 3 | 3 | 3 | 3 |
| Ayushi Singh | 2 | 3 | 3 | 2 |
| Phani Harshith Kotturu | 2 | 3 | 2 | 2 |
| Yogesh Sharma | 2 | 3 | 2 | 2 |
| Shradha Aggarwal | 2 | 3 | 3 | 2 |
| Hemant kumar | 2 | 3 | 2 | 2 |
| Divyansh verma | 2 | 3 | 2 | 2 |
| Suraj | 2 | 3 | 2 | 2 |

| Nishant | 2 | 3 | 2 | 2 |
|--------------------------|---|---|---|---|
| Ankit Rathi | 2 | 3 | 2 | 2 |
| Bhomik Tomar | 2 | 3 | 3 | 3 |
| Vidushi Saxena | 2 | 3 | 3 | 3 |
| Divyansh Verma | 2 | 3 | 2 | 2 |
| Chetan Sharma | 2 | 2 | 2 | 2 |
| Prakhar Kumar Srivastava | 2 | 3 | 2 | 2 |
| B Anirudh | 2 | 3 | 3 | 2 |
| Aranav Kumar | 2 | 3 | 2 | 2 |
| Ayush Sengar | 2 | 3 | 2 | 2 |
| Nikhil Kumar | 2 | 3 | 2 | 2 |
| Vedansh Kumawat | 2 | 3 | 3 | 2 |
| DAKSHI ARORA | 2 | 3 | 3 | 3 |
| Anushka mishra | 2 | 3 | 3 | 2 |
| Diya Rawal | 3 | 3 | 3 | 2 |
| Deepanshu Mehlawat | 2 | 3 | 3 | 2 |
| Kashish Dagar | 2 | 2 | 2 | 2 |
| Anant Singh | 2 | 3 | 2 | 2 |
| Anant Upadhiyay | 2 | 2 | 2 | 2 |
| Anusha Singh | 2 | 3 | 2 | 2 |
| Gourav Sharma | 2 | 3 | 2 | 2 |
| Payal Dabas | 2 | 3 | 2 | 2 |
| Yash Vardhan Kasana | 2 | 2 | 2 | 2 |
| Anika Sharma | 3 | 3 | 3 | 3 |
| Jatin Singh | 2 | 2 | 2 | 2 |
| Yash Sharma | 2 | 3 | 2 | 2 |
| Astha Rai | 2 | 3 | 2 | 2 |
| Meenakshi Kamakolanu | 3 | 3 | 3 | 3 |
| Jashan Kamboj | 2 | 3 | 2 | 2 |
| Suryansh Sharma | 2 | 3 | 2 | 2 |
| Mohit Kalwar | 2 | 3 | 3 | 2 |
| Kushagra Gangwar | 2 | 3 | 2 | 2 |
| Divyam Verma | 2 | 3 | 2 | 2 |
| Shubhangi Sinha | 2 | 3 | 3 | 2 |
| Avush Guriar | 2 | 3 | 3 | 2 |
| Shreya Gupta | 3 | 3 | 3 | 3 |
| Gautam Jain | 2 | 3 | 2 | 2 |
| Boppana Chaitanya | 2 | 3 | 3 | 3 |
| Sai Tejaswi Woonna | 3 | 3 | 3 | 3 |
| Vishwas Choudhary | 2 | 3 | 2 | 2 |
| Ananya Srivastava | 2 | 3 | 2 | 2 |
| Rithik Yadav | 2 | 3 | 2 | 2 |
| Shreyansh Tripathi | 2 | 3 | 2 | 2 |
| Vansh Tyagi | 2 | 3 | 2 | 2 |
| Yashveer Ahlawat | 2 | 3 | 2 | 2 |
| Rishabh . | 2 | 3 | 2 | 2 |
| | 2 | 3 | 2 | 2 |
| Akshay Menon | 3 | 3 | 3 | 2 |
| Harshit Jain | 2 | 3 | 3 | 2 |
| Abhishek Sharma | | | | |
| Suryansh Dubey | 2 | 2 | 2 | 2 |
| Manish Kumar | 2 | 2 | 2 | 2 |

| Tanish Dhingra | 2 | 3 | 2 | 2 |
|--------------------------|---|---|---|---|
| Mukul Dev | 2 | 3 | 2 | 2 |
| Anshul Gadia | 2 | 3 | 2 | 2 |
| Akshay Parihar | 2 | 2 | 2 | 2 |
| Sai Ram Aditya Kasarla | 2 | 3 | 3 | 2 |
| Abhishek Dadhich | 2 | 3 | 2 | 2 |
| | | | | |
| Ayush Chauhan | 2 | 3 | 2 | 2 |
| Sai Sri Mohnit Akula | 3 | 3 | 3 | 3 |
| Pulagam Sanjay Reddy | 3 | 3 | 3 | 3 |
| Aaditya Malhotra | 2 | 3 | 2 | 2 |
| Vinit Yaduvanshi | 2 | 3 | 2 | 2 |
| Khushi | 2 | 3 | 3 | 2 |
| Sejal Kumari | 2 | 3 | 3 | 3 |
| Uday Sushanth Malleboina | 3 | 3 | 3 | 3 |
| Robin Yadav | 2 | 3 | 3 | 2 |
| Sayantan . | 3 | 3 | 3 | 3 |
| Harshita Rupani | 2 | 3 | 2 | 2 |
| Himanshu | 2 | 3 | 2 | 2 |
| Mayank Garg | 2 | 3 | 3 | 2 |
| Bhargavi Sharma | 2 | 3 | 3 | 2 |
| Gautam Shukla | 2 | 2 | 2 | 2 |
| Vansh Gulati | 2 | 3 | 2 | 2 |
| Abhinav . | 2 | 3 | 2 | 2 |
| Harshit Saharan | 2 | 3 | 2 | 2 |
| Ashish Saharia | 2 | 3 | 2 | 2 |
| Priyanshu Garg | 2 | 3 | 2 | 2 |
| Radhika Bhati | 3 | 3 | 3 | 3 |
| Kushaal Adithya Kalluri | 3 | 3 | 3 | 3 |
| Sahil Merothia | 2 | 2 | 2 | 2 |
| Krish Sakhuja | 2 | 2 | 2 | 2 |
| Rohit | 2 | 3 | 3 | 2 |
| Deepanshu Aggarwal | 3 | 3 | 3 | 3 |
| Manav Sharma | 2 | 2 | 2 | 2 |
| Anmol Maheshwari | 2 | 3 | 3 | 2 |
| Rishi Mahajan | 2 | 3 | 2 | 2 |
| Rohit Rathi | 2 | 3 | 2 | 2 |
| Manan Lakhotia | 2 | 3 | 3 | 2 |
| Saransh Bhargava | 2 | 3 | 3 | 2 |
| Rishabh Sharma | 2 | 3 | 2 | 2 |
| Jayant | 2 | 2 | 2 | 2 |
| Lakshya Bindal | 2 | 3 | 2 | 2 |
| Akshit Gupta | 2 | 3 | 3 | 2 |
| Harsh Singh | 2 | 2 | 2 | 2 |
| Ritika Yadav | 2 | 3 | 3 | 2 |
| Vaasu | 2 | 3 | 2 | 2 |
| Apoorva Tyagi | 2 | 2 | 2 | 2 |
| Vansh Shukla | 2 | 3 | 2 | 2 |
| | 2 | 3 | 3 | 2 |
| Priyanshi Srivastava | | | | |
| Shruti | 2 | 3 | 2 | 2 |
| Harsh Kumar | 2 | 3 | 2 | 2 |
| Vikram Mittal | 2 | 3 | 3 | 2 |

| Mishthi | 2 | 3 | 3 | 2 |
|-----------------------|------|------|------|------|
| Anshul Yadav | 2 | 3 | 2 | 2 |
| Udit Kumar | 2 | 3 | 2 | 2 |
| Vivek Sherawat | 2 | 3 | 3 | 2 |
| Aditya Tak | 3 | 3 | 3 | 3 |
| Anjali | 2 | 3 | 2 | 2 |
| Aakankshi | 2 | 3 | 2 | 2 |
| Sujal Yadav | 2 | 3 | 2 | 2 |
| Shivanshu - | 2 | 3 | 3 | 2 |
| Anurag Anand | 2 | 3 | 3 | 2 |
| Gaurish Bhatia | 2 | 2 | 2 | 2 |
| Sanjeev Kumar | 2 | 3 | 2 | 2 |
| Dishank Sharma | 2 | 2 | 2 | 2 |
| Umesh | 2 | 3 | 3 | 2 |
| Ashim Choudhary | 2 | 3 | 2 | 2 |
| Harsh | 2 | 3 | 2 | 2 |
| Keshav . | 2 | 3 | 2 | 2 |
| Ishika Panwar | 2 | 3 | 2 | 2 |
| K Sai Revanth Revanth | 2 | 3 | 3 | 2 |
| Vaibhav Chauhan | 2 | 3 | 2 | 2 |
| Man Mohit Yadav | 2 | 3 | 2 | 2 |
| Gaurav Chaudhary | 2 | 3 | 2 | 2 |
| Aayush Bhardwaj | 2 | 3 | 3 | 2 |
| Vineet Kumar | 2 | 3 | 3 | 2 |
| Deepanshi | 2 | 3 | 3 | 3 |
| Nishant Kasana | 2 | 3 | 2 | 2 |
| Umang Gupta | 2 | 3 | 2 | 2 |
| Utplaksh Mishra | 2 | 3 | 3 | 2 |
| Komal Sharma | 2 | 3 | 3 | 2 |
| Sunny Bishnoi | 2 | 3 | 2 | 2 |
| Kartik | 2 | 2 | 2 | 2 |
| Himanshu . | 2 | 3 | 3 | 3 |
| Vivek Sachdeva | 2 | 3 | 3 | 3 |
| Tanish Somani | 2 | 3 | 2 | 2 |
| Sugandha Choudhary | 2 | 2 | 2 | 2 |
| Tushar Tripathi | 2 | 2 | 2 | 2 |
| Charu Saini | 2 | 3 | 2 | 2 |
| Harshad Kaushal | 2 | 2 | 2 | 2 |
| Ashwikk Patel | 2 | 3 | 3 | 2 |
| Rahul Sharma | 2 | 3 | 3 | 2 |
| Harsh Sehrawat | 2 | 3 | 2 | 2 |
| Dipanshu Srivastava | 2 | 3 | 3 | 2 |
| Lakshay Nandwani | 2 | 3 | 3 | 3 |
| Average | 2.09 | 2.85 | 2.42 | 2.16 |



13. Student Learning Categories for Partial Semester

Learner Categories Summary for Partial Semester

| Learner Category | Number of Students |
|-------------------|--------------------|
| Advanced Learners | 0 |
| Medium Learners | 295 |
| Low Performers | 0 |

Student Learning Classification for Partial Semester

| Student Name | Category | | | |
|--------------------------|----------------|--|--|--|
| Kanika | Medium Learner | | | |
| SAGAR SINDHU | Medium Learner | | | |
| DIVYANSHU BANSAL | Medium Learner | | | |
| Ananya Aggarwal | Medium Learner | | | |
| Karan Sharma | Medium Learner | | | |
| Nihar Singla | Medium Learner | | | |
| Abhinav Vuddagiri | Medium Learner | | | |
| Aryan Pratap Singh | Medium Learner | | | |
| Dhruv Sharma | Medium Learner | | | |
| Aastha Singh | Medium Learner | | | |
| Siddhika Sinha | Medium Learner | | | |
| Saatvik Bhola | Medium Learner | | | |
| Sapare Aravind | Medium Learner | | | |
| Vishwajeet Tripathi | Medium Learner | | | |
| Gopala Krishna Nuthakki | Medium Learner | | | |
| Vemula Chetan Nihith | Medium Learner | | | |
| Punit Yadav | Medium Learner | | | |
| Sanskar Gupta | Medium Learner | | | |
| jatin nunach | Medium Learner | | | |
| Nirbhay | Medium Learner | | | |
| GUNEET CHAWLA | Medium Learner | | | |
| Raghvendra Singh Chouhan | Medium Learner | | | |
| Siddharth Singh | Medium Learner | | | |
| ANIL KUMAR | Medium Learner | | | |
| Aman Gupta | Medium Learner | | | |
| Daksh Verma | Medium Learner | | | |
| Ayushman Raghav | Medium Learner | | | |
| Pranav Raj | Medium Learner | | | |
| Aditya Rastogi | Medium Learner | | | |
| Nikhil Kumar Tomar | Medium Learner | | | |
| Bhuwan Dahiya | Medium Learner | | | |
| Piyush Garg | Medium Learner | | | |
| Bhavesh Choudhary | Medium Learner | | | |
| Purav Malik | Medium Learner | | | |
| Shaleen Chordia | Medium Learner | | | |
| Vishal Yadav | Medium Learner | | | |
| Peehu Khandelwal | Medium Learner | | | |
| Pryanshu Kumar | Medium Learner | | | |
| Paras Khola | Medium Learner | | | |
| Swapnadip Nandi | Medium Learner | | | |
| CHAITANYA KALRA | Medium Learner | | | |

| Shashank Gupta | Medium Learner |
|--------------------------|--------------------------------|
| Anirudh Shukla | Medium Learner |
| Suryadeep . | Medium Learner |
| Manan Khandelwal | Medium Learner |
| Manay Saini | Medium Learner |
| Himanshu Chaturvedi | Medium Learner |
| Raghav Malik | Medium Learner |
| | |
| Archie Khubnani Manav | Medium Learner |
| | Medium Learner Medium Learner |
| Shivam Purohit | |
| Ritika Gupta | Medium Learner |
| Ashish Ranjan | Medium Learner |
| Siddhant Kalla | Medium Learner |
| Batchu Ratna Lahari | Medium Learner |
| Nishant Luhera | Medium Learner |
| Vidyansh Raj Gupta | Medium Learner |
| Monika | Medium Learner |
| Nakshatra Mittal | Medium Learner |
| Manavendra Singh | Medium Learner |
| Raj Kumar Shrivas | Medium Learner |
| Sanya Goel | Medium Learner |
| Likhit Sagar Gajja | Medium Learner |
| Sarthak Gupta | Medium Learner |
| Jasmine Sindhu | Medium Learner |
| Anirudh Dattu | Medium Learner |
| Himanshu Mohanty | Medium Learner |
| Rohan Dhingra | Medium Learner |
| Akaash Gupta Vandanapu | Medium Learner |
| Abhay Rajesh Shah | Medium Learner |
| Lalit Kumar | Medium Learner |
| Naman Sharma | Medium Learner |
| ROHIT YADAV | Medium Learner |
| Aryashrestha Sagar | Medium Learner |
| Aryyan Ahlawat | Medium Learner |
| BHAVUK | Medium Learner |
| Rongali Aryan | Medium Learner |
| Vikas Choudhary | Medium Learner |
| Muskan Yadav | Medium Learner |
| E Umesh | Medium Learner |
| Mitnapure Prasad Sharad | Medium Learner |
| Basireddy Nithishreddy | Medium Learner |
| Chinmay Srivastava | Medium Learner |
| Sheena Mittal | Medium Learner |
| Akshay Katoch | Medium Learner |
| Aakarsh Purwar | Medium Learner |
| Akshaya Velumuri | Medium Learner |
| Manasvi . | Medium Learner |
| Mayank Pratap Singh | Medium Learner |
| Aadit Arora | Medium Learner |
| Pranav Kanumuri | Medium Learner |
| | |
| Raghav Arora | Medium Learner |
| YAMA LALITHA SAI MADHURI | Medium Learner |
| Prashant Kumar | Medium Learner |
| Rudra Gupta | Medium Learner |
| Maitri Sharma | Medium Learner |
| Archit Prasher | Medium Learner |
| RAGHUVANSH SINGH PARMAR | Medium Learner |

| Visach Chauhan | Madium Loarner |
|------------------------------|---------------------|
| Viresh Chauhan | Medium Learner |
| Aditya Agarwal | Medium Learner |
| Kartik Mehta | Medium Learner |
| Daksh Goel | Medium Learner |
| Akshay Korrapati | Medium Learner |
| Ruchi Verma | Medium Learner |
| Daksh | Medium Learner |
| Vidhika Mangla | Medium Learner |
| Bhumika | Medium Learner |
| Bhawna | Medium Learner |
| Govind Madhav Sharma | Medium Learner |
| Ankur Singh | Medium Learner |
| Ratul Pal | Medium Learner |
| Vaibhav Arora | Medium Learner |
| Nidamanuri Bhargava Srinivas | Medium Learner |
| Garv Garg | Medium Learner |
| Saksham Pandla | Medium Learner |
| Zahra Rakhshan | Medium Learner |
| Udit Chauhan | Medium Learner |
| Divas Sharma | Medium Learner |
| Anurag Godara | Medium Learner |
| Gaurangi | Medium Learner |
| Siddhant Ashwary Tiwari | Medium Learner |
| Priyansh Arora | Medium Learner |
| Ishika Kochhar | Medium Learner |
| Lakkshya Gupta | Medium Learner |
| MOHAK GUPTA | Medium Learner |
| Aditya Bansal | Medium Learner |
| PAVAN THRINATH KALVAKOTA | Medium Learner |
| Namrata DHINGRA | Medium Learner |
| Jatin Kumar Phogat | Medium Learner |
| Abhinav Sharma | Medium Learner |
| Sohan Sen | Medium Learner |
| Krishnansh Garg | Medium Learner |
| Parag Garg | Medium Learner |
| Yash Arora | Medium Learner |
| Saurabh | Medium Learner |
| Mridul Singh | Medium Learner |
| Utkarsh Tonk | Medium Learner |
| RISHIT ABHILASH | Medium Learner |
| Shivanshi Goel | Medium Learner |
| Hardik Pandey | Medium Learner |
| Anup Kumar | Medium Learner |
| Nishtha Jain | Medium Learner |
| Gagan Singhal | Medium Learner |
| Ayushi Singh | Medium Learner |
| Phani Harshith Kotturu | Medium Learner |
| Yogesh Sharma | Medium Learner |
| Shradha Aggarwal | Medium Learner |
| Hemant kumar | Medium Learner |
| Divyansh verma | Medium Learner |
| Suraj | Medium Learner |
| Nishant | Medium Learner |
| Ankit Rathi | Medium Learner |
| Bhomik Tomar | Medium Learner |
| Vidushi Saxena | Medium Learner |
| Divyansh Verma | Medium Learner |
| Divyansii venna | IVICUIUIII LEGITICI |

| Chetan Sharma | Medium Learner |
|--------------------------|--------------------------------|
| Prakhar Kumar Srivastava | Medium Learner |
| B Anirudh | Medium Learner |
| Aranav Kumar | Medium Learner |
| Ayush Sengar | Medium Learner |
| Nikhil Kumar | Medium Learner |
| Vedansh Kumawat | Medium Learner |
| DAKSHI ARORA | Medium Learner |
| Anushka mishra | Medium Learner |
| Diya Rawal | Medium Learner |
| Deepanshu Mehlawat | Medium Learner |
| Kashish Dagar | Medium Learner |
| Anant Singh | Medium Learner |
| Anant Upadhiyay | Medium Learner |
| Anusha Singh | Medium Learner |
| Gourav Sharma | Medium Learner |
| Payal Dabas | Medium Learner |
| Yash Vardhan Kasana | Medium Learner |
| Anika Sharma | Medium Learner |
| Jatin Singh | Medium Learner |
| Yash Sharma | Medium Learner |
| Astha Rai | Medium Learner |
| Meenakshi Kamakolanu | Medium Learner |
| Jashan Kamboj | Medium Learner |
| Suryansh Sharma | Medium Learner |
| Mohit Kalwar | Medium Learner |
| Kushagra Gangwar | Medium Learner |
| Divyam Verma | Medium Learner |
| Shubhangi Sinha | Medium Learner |
| Ayush Gurjar | Medium Learner |
| Shreya Gupta | Medium Learner |
| Gautam Jain | Medium Learner |
| | Medium Learner |
| Boppana Chaitanya | |
| Sai Tejaswi Woonna | Medium Learner Medium Learner |
| Vishwas Choudhary | |
| Ananya Srivastava | Medium Learner |
| Rithik Yadav | Medium Learner |
| Shreyansh Tripathi | Medium Learner |
| Vansh Tyagi | Medium Learner |
| Yashveer Ahlawat | Medium Learner |
| Rishabh . | Medium Learner |
| Akshay Menon | Medium Learner |
| Harshit Jain | Medium Learner |
| Abhishek Sharma | Medium Learner |
| Suryansh Dubey | Medium Learner |
| Manish Kumar | Medium Learner |
| Tanish Dhingra | Medium Learner |
| Mukul Dev | Medium Learner |
| Anshul Gadia | Medium Learner |
| Akshay Parihar | Medium Learner |
| Sai Ram Aditya Kasarla | Medium Learner |
| Abhishek Dadhich | Medium Learner |
| Ayush Chauhan | Medium Learner |
| Sai Sri Mohnit Akula | Medium Learner |
| Pulagam Sanjay Reddy | Medium Learner |
| Aaditya Malhotra | Medium Learner |
| Vinit Yaduvanshi | Medium Learner |
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| Khushi | Medium Learner |
|--------------------------|----------------|
| Sejal Kumari | Medium Learner |
| Uday Sushanth Malleboina | Medium Learner |
| Robin Yadav | Medium Learner |
| Sayantan . | Medium Learner |
| Harshita Rupani | Medium Learner |
| Himanshu | Medium Learner |
| Mayank Garg | Medium Learner |
| Bhargavi Sharma | Medium Learner |
| Gautam Shukla | Medium Learner |
| Vansh Gulati | Medium Learner |
| Abhinav . | Medium Learner |
| Harshit Saharan | Medium Learner |
| Ashish Saharia | Medium Learner |
| Priyanshu Garg | Medium Learner |
| Radhika Bhati | Medium Learner |
| Kushaal Adithya Kalluri | Medium Learner |
| Sahil Merothia | Medium Learner |
| Krish Sakhuja | Medium Learner |
| Rohit | Medium Learner |
| Deepanshu Aggarwal | Medium Learner |
| Manav Sharma | Medium Learner |
| Anmol Maheshwari | Medium Learner |
| Rishi Mahajan | Medium Learner |
| Rohit Rathi | Medium Learner |
| Manan Lakhotia | Medium Learner |
| Saransh Bhargava | Medium Learner |
| Rishabh Sharma | Medium Learner |
| Jayant | Medium Learner |
| Lakshya Bindal | Medium Learner |
| Akshit Gupta | Medium Learner |
| Harsh Singh | Medium Learner |
| Ritika Yadav | Medium Learner |
| Vaasu | Medium Learner |
| Apoorva Tyagi | Medium Learner |
| Vansh Shukla | Medium Learner |
| Priyanshi Srivastava | Medium Learner |
| Shruti | Medium Learner |
| Harsh Kumar | Medium Learner |
| Vikram Mittal | Medium Learner |
| Mishthi | Medium Learner |
| Anshul Yadav | Medium Learner |
| Udit Kumar | Medium Learner |
| Vivek Sherawat | Medium Learner |
| Aditya Tak | Medium Learner |
| Anjali | Medium Learner |
| Aakankshi | Medium Learner |
| Sujal Yadav | Medium Learner |
| Shivanshu - | Medium Learner |
| Anurag Anand | Medium Learner |
| Gaurish Bhatia | |
| | Medium Learner |
| Sanjeev Kumar | Medium Learner |
| Dishank Sharma | Medium Learner |
| Umesh | Medium Learner |
| Ashim Choudhary | Medium Learner |
| Harsh | Medium Learner |
| Keshav . | Medium Learner |

| Ishika Panwar | Medium Learner |
|-----------------------|----------------|
| K Sai Revanth Revanth | Medium Learner |
| Vaibhav Chauhan | Medium Learner |
| Man Mohit Yadav | Medium Learner |
| Gaurav Chaudhary | Medium Learner |
| Aayush Bhardwaj | Medium Learner |
| Vineet Kumar | Medium Learner |
| Deepanshi | Medium Learner |
| Nishant Kasana | Medium Learner |
| Umang Gupta | Medium Learner |
| Utplaksh Mishra | Medium Learner |
| Komal Sharma | Medium Learner |
| Sunny Bishnoi | Medium Learner |
| Kartik | Medium Learner |
| Himanshu . | Medium Learner |
| Vivek Sachdeva | Medium Learner |
| Tanish Somani | Medium Learner |
| Sugandha Choudhary | Medium Learner |
| Tushar Tripathi | Medium Learner |
| Charu Saini | Medium Learner |
| Harshad Kaushal | Medium Learner |
| Ashwikk Patel | Medium Learner |
| Rahul Sharma | Medium Learner |
| Harsh Sehrawat | Medium Learner |
| Dipanshu Srivastava | Medium Learner |
| Lakshay Nandwani | Medium Learner |

13. Student Learning Categories

Learner Categories Summary

| Learner Category | Number of Students |
|-------------------|--------------------|
| Advanced Learners | 24 |
| Medium Learners | 270 |
| Slow Learners | 1 |

Student Learning Classification

| Student Name | Category |
|--------------------------|------------------|
| Sarthak Gupta | Advanced Learner |
| Anirudh Dattu | Advanced Learner |
| Abhay Rajesh Shah | Advanced Learner |
| Aakarsh Purwar | Advanced Learner |
| Raghav Arora | Advanced Learner |
| Viresh Chauhan | Advanced Learner |
| Siddhant Ashwary Tiwari | Advanced Learner |
| Ishika Kochhar | Advanced Learner |
| Lakkshya Gupta | Advanced Learner |
| Parag Garg | Advanced Learner |
| Nishtha Jain | Advanced Learner |
| Gagan Singhal | Advanced Learner |
| Anika Sharma | Advanced Learner |
| Meenakshi Kamakolanu | Advanced Learner |
| Shreya Gupta | Advanced Learner |
| Sai Tejaswi Woonna | Advanced Learner |
| Sai Sri Mohnit Akula | Advanced Learner |
| Pulagam Sanjay Reddy | Advanced Learner |
| Uday Sushanth Malleboina | Advanced Learner |
| Sayantan . | Advanced Learner |
| Radhika Bhati | Advanced Learner |
| Kushaal Adithya Kalluri | Advanced Learner |
| Deepanshu Aggarwal | Advanced Learner |
| Aditya Tak | Advanced Learner |
| Kanika | Medium Learner |
| SAGAR SINDHU | Medium Learner |
| DIVYANSHU BANSAL | Medium Learner |
| Ananya Aggarwal | Medium Learner |
| Karan Sharma | Medium Learner |
| Nihar Singla | Medium Learner |
| Abhinav Vuddagiri | Medium Learner |
| Aryan Pratap Singh | Medium Learner |
| Dhruv Sharma | Medium Learner |
| Aastha Singh | Medium Learner |
| Siddhika Sinha | Medium Learner |
| Saatvik Bhola | Medium Learner |
| Sapare Aravind | Medium Learner |
| Vishwajeet Tripathi | Medium Learner |
| Gopala Krishna Nuthakki | Medium Learner |
| Vemula Chetan Nihith | Medium Learner |
| Punit Yadav | Medium Learner |

| Sanskar Gupta | Medium Learner |
|--------------------------|----------------|
| jatin nunach | Medium Learner |
| Nirbhay | Medium Learner |
| GUNEET CHAWLA | Medium Learner |
| Raghvendra Singh Chouhan | Medium Learner |
| Siddharth Singh | Medium Learner |
| ANIL KUMAR | Medium Learner |
| Aman Gupta | Medium Learner |
| Daksh Verma | Medium Learner |
| Ayushman Raghav | Medium Learner |
| Pranav Raj | Medium Learner |
| Aditya Rastogi | Medium Learner |
| Nikhil Kumar Tomar | Medium Learner |
| Bhuwan Dahiya | Medium Learner |
| Piyush Garg | Medium Learner |
| Bhavesh Choudhary | Medium Learner |
| Purav Malik | Medium Learner |
| Shaleen Chordia | Medium Learner |
| Vishal Yadav | Medium Learner |
| Peehu Khandelwal | Medium Learner |
| Pryanshu Kumar | Medium Learner |
| Paras Khola | Medium Learner |
| Swapnadip Nandi | Medium Learner |
| CHAITANYA KALRA | Medium Learner |
| Shashank Gupta | Medium Learner |
| Anirudh Shukla | Medium Learner |
| Suryadeep . | Medium Learner |
| Manan Khandelwal | Medium Learner |
| Manay Saini | Medium Learner |
| Himanshu Chaturvedi | Medium Learner |
| Raghav Malik | Medium Learner |
| Archie Khubnani | Medium Learner |
| Manay | Medium Learner |
| Shivam Purohit | Medium Learner |
| Ritika Gupta | Medium Learner |
| Ashish Ranjan | Medium Learner |
| Siddhant Kalla | Medium Learner |
| Batchu Ratna Lahari | Medium Learner |
| Nishant Luhera | Medium Learner |
| Vidyansh Raj Gupta | Medium Learner |
| Monika | Medium Learner |
| Nakshatra Mittal | Medium Learner |
| Manavendra Singh | Medium Learner |
| Raj Kumar Shrivas | Medium Learner |
| Sanya Goel | Medium Learner |
| Likhit Sagar Gajja | Medium Learner |
| Jasmine Sindhu | Medium Learner |
| Himanshu Mohanty | Medium Learner |
| Rohan Dhingra | Medium Learner |
| Akaash Gupta Vandanapu | Medium Learner |
| Lalit Kumar | Medium Learner |
| Naman Sharma | Medium Learner |
| ROHIT YADAV | Medium Learner |
| Aryashrestha Sagar | Medium Learner |
| Aryyan Ahlawat | Medium Learner |
| BHAVUK | Medium Learner |
| Rongali Aryan | Medium Learner |
| <u> </u> | |

| Vikas Choudhary | Medium Learner |
|------------------------------|--------------------------------|
| Muskan Yadav | Medium Learner |
| E Umesh | Medium Learner |
| Mitnapure Prasad Sharad | Medium Learner |
| Basireddy Nithishreddy | Medium Learner |
| Chinmay Srivastava | Medium Learner |
| Sheena Mittal | Medium Learner |
| Akshay Katoch | Medium Learner |
| Akshaya Velumuri | Medium Learner |
| Manasvi . | Medium Learner |
| Mayank Pratap Singh | Medium Learner |
| Aadit Arora | Medium Learner |
| Pranav Kanumuri | Medium Learner |
| YAMA LALITHA SAI MADHURI | Medium Learner |
| Prashant Kumar | Medium Learner |
| Rudra Gupta | Medium Learner |
| Maitri Sharma | Medium Learner |
| Archit Prasher | Medium Learner |
| RAGHUVANSH SINGH PARMAR | Medium Learner |
| Aditya Agarwal | Medium Learner |
| Kartik Mehta | Medium Learner |
| Daksh Goel | Medium Learner |
| Akshay Korrapati | Medium Learner |
| Ruchi Verma | Medium Learner |
| Daksh | Medium Learner |
| Vidhika Mangla | Medium Learner |
| Bhumika | Medium Learner |
| Bhawna | Medium Learner |
| Govind Madhav Sharma | Medium Learner |
| Ankur Singh | Medium Learner |
| Ratul Pal | Medium Learner |
| Nidamanuri Bhargava Srinivas | Medium Learner |
| Garv Garg | Medium Learner |
| Saksham Pandla | Medium Learner |
| Zahra Rakhshan | Medium Learner |
| Udit Chauhan | Medium Learner |
| Divas Sharma | Medium Learner |
| Anurag Godara | Medium Learner |
| Gaurangi | Medium Learner |
| Priyansh Arora | Medium Learner |
| MOHAK GUPTA Aditya Bansal | Medium Learner Medium Learner |
| PAVAN THRINATH KALVAKOTA | Medium Learner |
| Namrata DHINGRA | Medium Learner |
| Jatin Kumar Phogat | Medium Learner |
| Abhinav Sharma | Medium Learner |
| Sohan Sen | Medium Learner |
| Krishnansh Garg | Medium Learner |
| Yash Arora | Medium Learner |
| Saurabh | Medium Learner |
| Mridul Singh | Medium Learner |
| Utkarsh Tonk | Medium Learner |
| RISHIT ABHILASH | Medium Learner |
| Shivanshi Goel | Medium Learner |
| Hardik Pandey | Medium Learner |
| Anup Kumar | Medium Learner |
| Ayushi Singh | Medium Learner |
| , | |

| Discoi Harrakith Katharra | No. divers I access |
|----------------------------|---------------------|
| Phani Harshith Kotturu | Medium Learner |
| Yogesh Sharma | Medium Learner |
| Shradha Aggarwal | Medium Learner |
| Hemant kumar | Medium Learner |
| Divyansh verma | Medium Learner |
| Suraj | Medium Learner |
| Nishant | Medium Learner |
| Ankit Rathi | Medium Learner |
| Bhomik Tomar | Medium Learner |
| Vidushi Saxena | Medium Learner |
| Divyansh Verma | Medium Learner |
| Chetan Sharma | Medium Learner |
| Prakhar Kumar Srivastava | Medium Learner |
| B Anirudh | Medium Learner |
| Aranav Kumar | Medium Learner |
| Ayush Sengar | Medium Learner |
| Nikhil Kumar | Medium Learner |
| Vedansh Kumawat | Medium Learner |
| DAKSHI ARORA | Medium Learner |
| Anushka mishra | Medium Learner |
| Diya Rawal | Medium Learner |
| Deepanshu Mehlawat | Medium Learner |
| Kashish Dagar | Medium Learner |
| Anant Singh | Medium Learner |
| Anant Upadhiyay | Medium Learner |
| Anusha Singh | Medium Learner |
| Gourav Sharma | Medium Learner |
| Payal Dabas | Medium Learner |
| Yash Vardhan Kasana | Medium Learner |
| | Medium Learner |
| Jatin Singh Yash Sharma | Medium Learner |
| | |
| Astha Rai | Medium Learner |
| Jashan Kamboj | Medium Learner |
| Suryansh Sharma | Medium Learner |
| Mohit Kalwar | Medium Learner |
| Kushagra Gangwar | Medium Learner |
| Divyam Verma | Medium Learner |
| Shubhangi Sinha | Medium Learner |
| Ayush Gurjar | Medium Learner |
| Gautam Jain | Medium Learner |
| Boppana Chaitanya | Medium Learner |
| Vishwas Choudhary | Medium Learner |
| Ananya Srivastava | Medium Learner |
| Rithik Yadav | Medium Learner |
| Shreyansh Tripathi | Medium Learner |
| Vansh Tyagi | Medium Learner |
| Yashveer Ahlawat | Medium Learner |
| Rishabh . | Medium Learner |
| Akshay Menon | Medium Learner |
| Harshit Jain | Medium Learner |
| Abhishek Sharma | Medium Learner |
| Suryansh Dubey | Medium Learner |
| Manish Kumar | Medium Learner |
| Tanish Dhingra | Medium Learner |
| Mukul Dev | Medium Learner |
| Anshul Gadia | Medium Learner |
| Akshay Parihar | Medium Learner |
| ANSTILLY FAITHAI | MICGIGITI LEGITICI |

| Sai Ram Aditya Kasarla | Medium Learner |
|------------------------|----------------|
| Abhishek Dadhich | Medium Learner |
| Ayush Chauhan | Medium Learner |
| Aaditya Malhotra | Medium Learner |
| Vinit Yaduvanshi | Medium Learner |
| Khushi | Medium Learner |
| Sejal Kumari | Medium Learner |
| Robin Yadav | Medium Learner |
| Harshita Rupani | Medium Learner |
| Himanshu | Medium Learner |
| Mayank Garg | Medium Learner |
| Bhargavi Sharma | Medium Learner |
| Gautam Shukla | Medium Learner |
| Vansh Gulati | Medium Learner |
| Abhinav . | Medium Learner |
| Harshit Saharan | Medium Learner |
| Ashish Saharia | Medium Learner |
| Priyanshu Garg | Medium Learner |
| Sahil Merothia | Medium Learner |
| Krish Sakhuja | Medium Learner |
| Rohit | Medium Learner |
| Manav Sharma | Medium Learner |
| Anmol Maheshwari | Medium Learner |
| Rishi Mahajan | Medium Learner |
| Rohit Rathi | Medium Learner |
| Manan Lakhotia | Medium Learner |
| Saransh Bhargava | Medium Learner |
| Rishabh Sharma | Medium Learner |
| Jayant | Medium Learner |
| Lakshya Bindal | Medium Learner |
| Akshit Gupta | Medium Learner |
| Harsh Singh | Medium Learner |
| Ritika Yadav | Medium Learner |
| Vaasu | Medium Learner |
| Apoorva Tyagi | Medium Learner |
| Vansh Shukla | Medium Learner |
| Priyanshi Srivastava | Medium Learner |
| Shruti | Medium Learner |
| Harsh Kumar | Medium Learner |
| Vikram Mittal | Medium Learner |
| Mishthi | Medium Learner |
| Anshul Yadav | Medium Learner |
| Udit Kumar | Medium Learner |
| Vivek Sherawat | Medium Learner |
| Anjali | Medium Learner |
| Aakankshi | Medium Learner |
| Sujal Yadav | Medium Learner |
| Shivanshu - | Medium Learner |
| Anurag Anand | Medium Learner |
| Gaurish Bhatia | Medium Learner |
| Sanjeev Kumar | Medium Learner |
| Dishank Sharma | Medium Learner |
| Umesh | Medium Learner |
| Ashim Choudhary | Medium Learner |
| Harsh | Medium Learner |
| Keshav . | Medium Learner |
| Ishika Panwar | Medium Learner |

| K Sai Revanth Revanth | Medium Learner |
|-----------------------|----------------|
| Vaibhav Chauhan | Medium Learner |
| Man Mohit Yadav | Medium Learner |
| Gaurav Chaudhary | Medium Learner |
| Aayush Bhardwaj | Medium Learner |
| Vineet Kumar | Medium Learner |
| Deepanshi | Medium Learner |
| Nishant Kasana | Medium Learner |
| Umang Gupta | Medium Learner |
| Utplaksh Mishra | Medium Learner |
| Komal Sharma | Medium Learner |
| Sunny Bishnoi | Medium Learner |
| Kartik | Medium Learner |
| Himanshu . | Medium Learner |
| Vivek Sachdeva | Medium Learner |
| Tanish Somani | Medium Learner |
| Sugandha Choudhary | Medium Learner |
| Tushar Tripathi | Medium Learner |
| Charu Saini | Medium Learner |
| Harshad Kaushal | Medium Learner |
| Ashwikk Patel | Medium Learner |
| Rahul Sharma | Medium Learner |
| Harsh Sehrawat | Medium Learner |
| Dipanshu Srivastava | Medium Learner |
| Lakshay Nandwani | Medium Learner |
| Vaibhav Arora | Slow Learner |
| | |

14. Actions taken for weak students

• NA

15. Student Feedback

Quantitative Feedback:

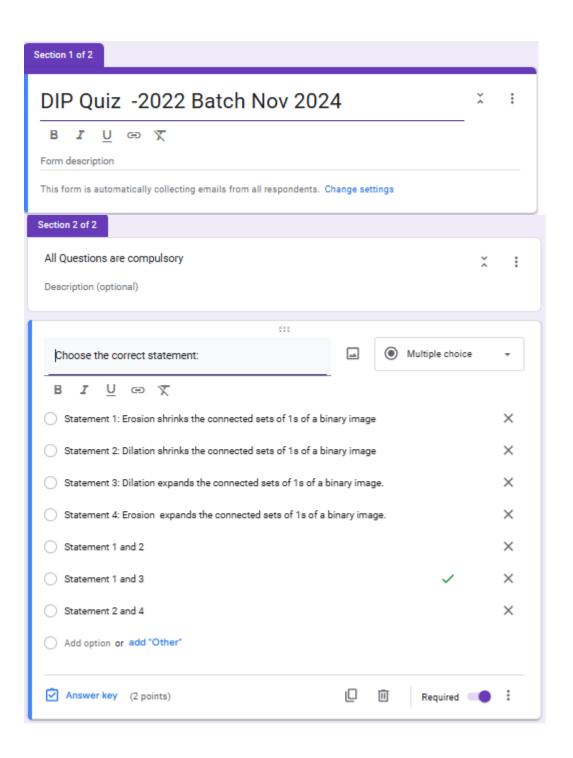
Average Rating: 4.20/5

Qualitative Feedback:

na

16. Faculty Course Review

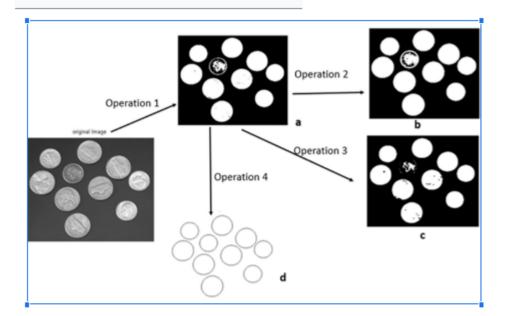
na



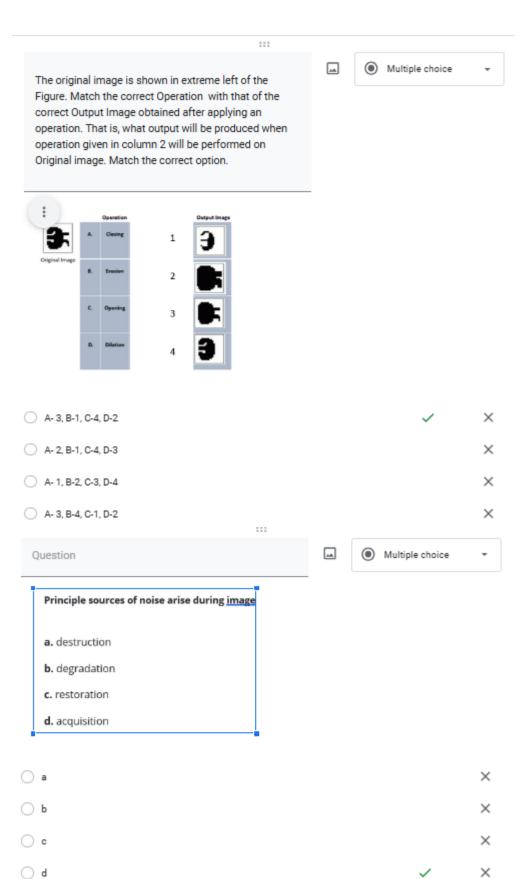
In the following picture which one is the correct match between the figure and operation



 \times

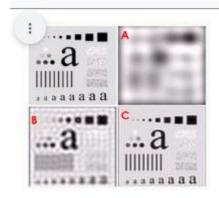


- Operation 1: Segmentation, Operation2: Dilation, Operation 3: Erosion, Operation 4: ... 🗸
- Operation 1: Segmentation, Operation2: Erosion, Operation 3: Dilation, Operation 4: Region...
- Operation 1: Region/Hole Filling, Operation2: Dilation, Operation 3: Erosion, Operation 4: S...
- Operation 1: Region/Hole Filling, Operation2: Erosion, Operation 3: Dilation, Operation 4: S...



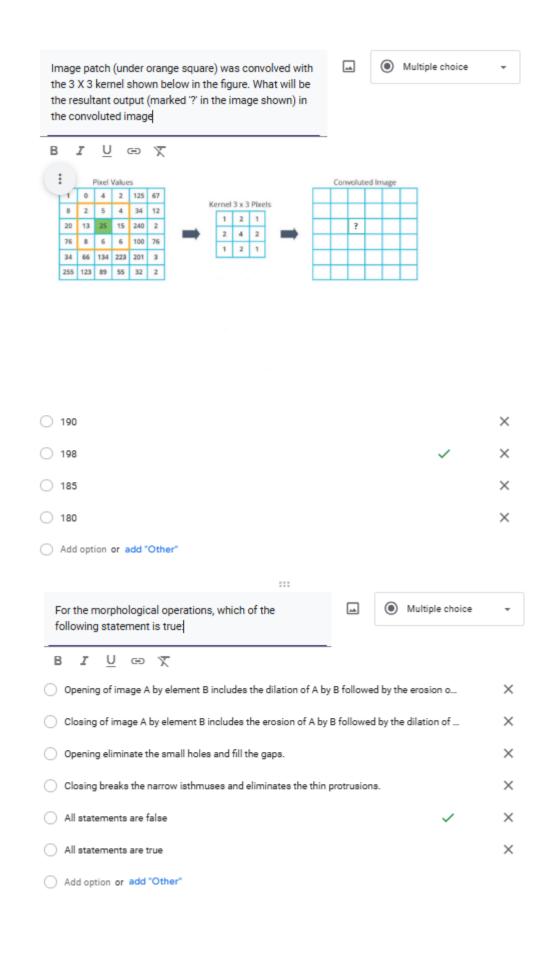
In the following figure, original image (top left) was operated using filter. Choose the correct statement





| A: Low pass filter of radius =30, B= Low pass filter of radius =15 and C=Low pass filter of r | | | | |
|---|-------------|-----------------------|---|--|
| A: High pass filter of radius =5, B=High pass filter of radius | =15 and C= | High pass filter of r | × | |
| A: Low pass filter of radius =5, B= Low pass filter of radius | =15 and C= | Low pass filt 🗸 | × | |
| A: High pass filter of radius =30, B=High pass filter of radiu | s =15 and 0 | =High pass filter of | × | |
| Following are the factors that affects the suitability of the histogram for guiding the choice of the threshold. Choose the incorrect option | <u> </u> | Multiple choice | • | |
| BIU © X | | | | |
| the separation between peaks; | | | × | |
| the noise content in the image; | | | × | |
| the relative size of objects and background; | | | × | |
| the uniformity of the illumination and reflectance | | | × | |
| All of them are correct | | | × | |
| All of them are incorrect | | ~ | × | |
| Add option or add "Other" | | | | |

| *** | | | |
|--|----------|-----------------|----------|
| Which of the following shows three basic types of functions used frequently for image enhancement? | _ | Multiple choice | + |
| | | | |
| B I U 🕾 🏋 | | | |
| Linear, logarithmic and inverse law | | | \times |
| O Power law, logarithmic and inverse law | | ~ | × |
| Linear, logarithmic and power law | | | \times |
| Linear, exponential and inverse law | | | × |
| Add option or add "Other" | | | |
| | | | |
| | | | |
| Structuring elements runs over image's | | Multiple choice | • |
| | A | Multiple choice | • |
| Structuring elements runs over image's | | Multiple choice | ~ × |
| Structuring elements runs over image's B I U © 🏋 | | Multiple choice | × × |
| Structuring elements runs over image's B I U | 4 | Multiple choice | |
| Structuring elements runs over image's B I U © 🏋 O rows Coloumns | | Multiple choice | × |
| Structuring elements runs over image's B I U © 🏋 rows coloumns Every element | 4 | Multiple choice | × |



...

| *** | | | |
|--|-------------|----------------------|---|
| Using the morphological operations, the boundary extraction can be performed by: | | Multiple choice | - |
| | | | |
| Dilation of image by structuring element followed by subtraction of the result from the ori | | | |
| Erosion of image by structuring element followed by addition of the result with the original | | | |
| Erosion of image by structuring element followed by dilation of the control | f the resu | It with the original | × |
| Oilation of image by structuring element followed by erosion of | of the resu | It with the original | × |
| O None of the options | | ~ | × |
| KKK | | | |
| The difference between Sampling and Quantization: Chose the correct option | | Multiple choice | * |
| onde the correct option | | | |
| ampling rate determines the spatial resolution of the digitize | d image, v | vhile the qu 🗸 | × |
| sampling rate determines the number of grey levels in the dig | gitized ima | age, while the quan | × |
| Both determines the special resolution of the image | | | × |
| No statement is correct | | | × |
| O | | | |
| The non linear spatial filters whose response is based on ordering of the pixels contained is called | _ | Multiple choice | * |
| B I U © T | | | |
| p 1 0 0 X | | | |
| Box filter | | | × |
| Gaussian Filter | | | × |
| Order-statistic filter | | ~ | × |
| Laplacian Filter | | | × |

...

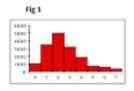
Multiple choice

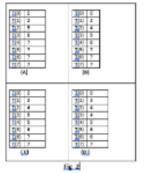
Lets you have a $M \times N$ pixels image, where M=N=128. This image contains L=8 gray level with the following distribution (see fig 1).

From Fig 2: Find the gray scale transformation S=T(R) that yields a uniform Histogram.

 \odot







 ○ A
 X

 ○ B
 ✓ X

 ○ C
 X

 ○ D
 X