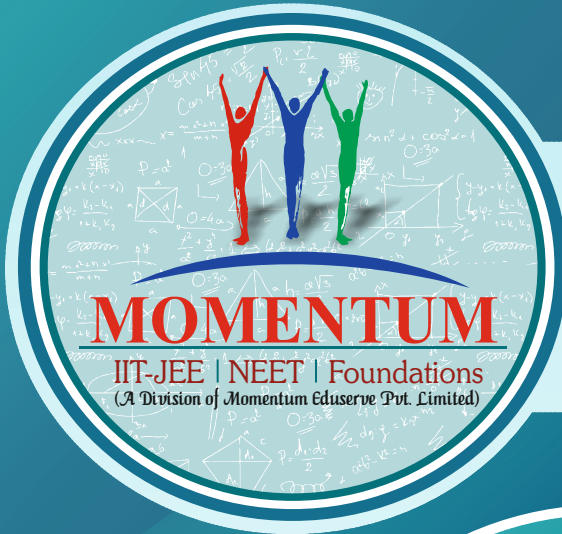


Since-2002

No. 1 in Eastern U.P.

One Step Away  
From Your Success !

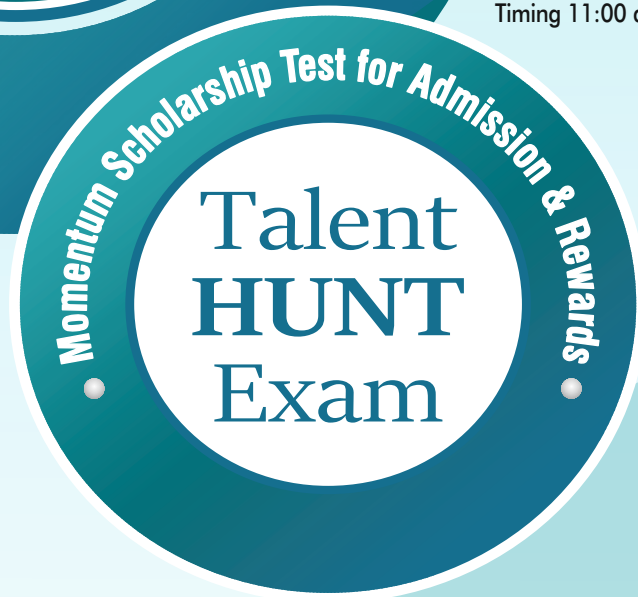


**M-STAR** ★

7<sup>th</sup> Edition, 2022-23

Examination Date  
Sunday, 04<sup>th</sup> December, 2022  
Timing 11:00 am. to 01:00 pm.

Eligibility  
For Class V to XII  
Studying Students



**MOMENTUM**

IIT-JEE | NEET | Foundations

[www.momentum.ac.in](http://www.momentum.ac.in) | [support@momentum.ac.in](mailto:support@momentum.ac.in) | [momentum.ac.in](https://www.facebook.com/momentum.ac.in) | [twitter.com/momentum\\_gkp](https://twitter.com/momentum_gkp)

छात्रसंघ चौक, गोरखपुर  
Ph: +91-6390903200

आवास विकास कालोनी, बस्ती  
Ph: +91-6390903210

तहसिल रोड (तहसिल गेट), देवरिया  
Ph: +91-6390903213

Ok

## About **MOMENTUM**



### **MOMENTUM Result 2022**

**MOMENTUM** offers an unparalleled preparatory service for **IIT-JEE (Main & Advanced)** as well as **NEET** and Foundation level exams through our distinct verticals named Momentum IIT-JEE/NEET/ Foundations. Every year our students achieved top rank in JEE (Main & Advanced) and NEET. Our students have also performed extremely well in various exams like Olympiads/NTSE as well as board exams.

**MOMENTUM** was founded by **Er. Sanjeev Kumar (B.Tech, IIT Dhanbad)** in 2002.

Ever since it was started, **MOMENTUM**, has been growing at a breathtaking pace. The institute has risen beyond all the expectations; as the volume and quality of results have proven the success of its Mission & Vision. The expertise and methodology of **MOMENTUM** have generated trust among students, parents and general public which distinguish us from others.



**Er. Sanjeev Kumar**  
Managing Director, MEPL

## **M-STAR\***

The space for competition is never left with vacuum nor allowed to be left unchallenged also.

The **M-STAR** (Momentum Scholarship Test for Admission & Reward) is a knowledge and aptitude based Talent Hunt Exam. It is first of its own kind of Talent Hunt and Rewards examination in the region which gives a platform for the upcoming meritorious students of Eastern U.P. and Bihar to get reward and nurture.

The objective of this examination is to discover inherent talent & to encourage students who have the capacity of original and

creative thinking, readiness to solve unfamiliar and non-routine problems.

After conducting six successful versions, Seventh edition of **M-STAR** welcome all the students with a more refined structure and for more prizes than ever.

In its 7<sup>th</sup> edition now, M-STAR has already become most preferred Talent Hunt examination for the students of eastern U.P. and Bihar to compete and assess their potential & performance.



# M-STAR\* General Information

## Important Dates

**Last Date of Registration :** 1st December 2022

**Date of Examination :** 4th December 2022, Sunday

**Time :** 11:00 AM to 01:00 PM (2 Hours)

**Declaration of Result :** 15th December 2022

**Award Function :** 15th January 2023

- **Medium :** English
- **Eligibility:** Class V, VI, VII, VIII, IX, X, XI & XII Studying Students.
- **Result Information :** You can get your result at our website: [www.momentum.ac.in](http://www.momentum.ac.in).
- **Centre :** Your City.
- **Question Paper Pattern:** There will 60 Questions in total. All Questions will be objective type with four options. Out of which only one will be correct. The responses will have to be filled in OMR Sheet provided. For each correct attempt +5 marks will be awarded and for each wrong attempt 1 marks will be deducted (**Negative Marking**).
  - Online Enrollment facility is available on our website: [www.momentum.ac.in](http://www.momentum.ac.in) where the student can register for **M-STAR\*** and can further download his/her Admit Card for appearing in **M-STAR\*** with his/her Roll No. and Exam Centre Name.
  - **For Offline Enrollment:** Kindly fill in the M-STAR Enrollment Form and submit along with a self-attested photocopy of class IV/ V/ VI/ VII / VIII / IX /X & XI mark-sheet (as applicable), 1 passport size colour photograph and cash /cheque/ demand draft of Rs. 100/- in favour of '**MOMENTUM**' at the centre. In case mark-sheet is not available, students can enroll by submitting a self attested photocopy of their Identity Card issued by the school.
  - **M-STAR\*** Sample Test Paper will be made available for the students.
  - The merit list of successful candidates will be prepared by listing them in the descending order of the total marks scored by them. However, there may be ties and such will be broken by sequentially applying the following set of rules:




Foundation (Class V & X)		Medical Aspirants		Engineering Aspirants	
(I).	Candidate having higher marks in Science	(I).	Candidate having higher marks in Biology	(I).	Candidate having higher marks in Mathematics
(ii).	Candidate having higher marks in Mathematics	(ii).	Candidate having higher marks in Chemistry	(ii).	Candidate having higher marks in Chemistry
(iii).	Candidate having higher marks in Mental Ability	(iii).	Candidate having higher marks in Physics	(iii).	Candidate having higher marks in Physics
(iv).	Candidate older in age to be preferred	(iv).	Candidate having higher marks in Mental Ability	(iv).	Candidate having higher marks in Mental Ability
(v).	Girl Candidate	(v).	Candidate older in age to be preferred	(v).	Candidate older in age to be preferred
		(vi).	Girl Candidate	(vi).	Girl Candidate

# SYLLABUS M-STAR\*

**Syllabus:** There is no specified syllabus for Mental Ability. For other subjects syllabus is specified:






**For Class V**

S.N.	Subject	Syllabus	No. of Questions	Marks
1	Maths 	Large Numbers, Factors and multiples, Fractions and Decimals, Measurement of Length, Weight, Capacity, Volume, Temperature, Conversions, Percentages, Ratios, Speed distance and time, Simple interest, Profit and loss, Geometry, Perimeter and area.	20	100
2	Science 	Plant life, Animal life, Human body, Soil Rocks & Minerals, Air water and weather, The moon, Matter , Force work & energy.	20	100
3	Mental Ability 	_____	20	100
		<b>Total</b>	<b>60</b>	<b>300</b>






**For Class VI**




S.N.	Subject	Syllabus	No. of Questions	Marks
1	Maths 	Knowing our Numbers, Whole Numbers, Playing with Numbers, Basic Geometrical Ideas, Understanding Elementary Shapes, Integers, Fractions, Decimals, Data Handling, Mensuration, Algebra, Ratio and Proportion, Symmetry.	20	100
2	Science 	Physics: Motion and Measurement of distances, Light shadows and reflections, Electricity and Circuits. Chemistry: Sorting materials into groups, Separation of substances, Changes around us, Water. Biology: Food & its source, components of food, Fibre to fabric, Plants, Body movements, Living organisms and their sounding.	20	100
3	Mental Ability 	_____	20	100
		<b>Total</b>	<b>60</b>	<b>300</b>






**For Class VII**

S.N.	Subject	Syllabus	No. of Questions	Marks
1	<b>Maths</b> 	Integers, Fractions and Decimals, Data Handling, Simple Equations, Lines and Angles, Triangle and its Properties, Congruence of Triangles, comparing Quantities, Rational Numbers, Practical Geometry and Area, Algebraic Expressions, Exponents and Powers, Symmetry.	20	100
2	<b>Science</b> 	Physics : Motion and time, Heat, Light. Chemistry : Physical and chemical changes, Acids bases and salts, Winds storms and cyclones. Biology : Nutrition in plants, nutrition in animals, Fibre to fabric, Organization in living beings, Changes and adaptation, Soil, Respiration in organisms, Transportation in living beings, Reproduction and growth in plants.	20	100
3	<b>Mental Ability</b> 	_____	20	100
		<b>Total</b>	<b>60</b>	<b>300</b>




**For Class VIII**

S.N.	Subject	Syllabus	No. of Qns.	Marks
1	<b>Maths</b> 	Rational Numbers, Linear Equations in One Variable, Understanding Quadrilaterals, Data Handling, Squares and Square Roots, Cubes and Cube Roots, Comparing Quantities, Algebraic Expressions and Identities, Visualizing Solid Shapes, Mensuration, Exponents and Powers, Direct and Inverse Proportions, Factorizations	20	100
2	<b>Science</b> 	Physics: Force and Pressure, Fiction, Sound, Chemical effects of electric current, Some Natural phenomena, Light.	10	50
		Chemistry : Synthetic fibres and plastic, Materials; Metals and non-metals, Coal and petroleum, Combustion and flame.	10	50
		Biology : Food production and management, Cell, Microorganism, Conservation of plants and animals.	10	50
3	<b>Mental Ability</b> 	_____	10	50
		<b>Total</b>	<b>60</b>	<b>300</b>





**For Class IX**

S.N.	Subject	Syllabus	No. of Qns.	Marks
1	<b>Maths</b> 	Number Systems, Polynomials, Co-ordinate Geometry, Linear Equations in Two Variables, Introduction to Euclid's Geometry, Lines and Angles, Triangles, Quadrilaterals, Areas of Parallelograms and Triangles, Circles, Heron's Formula, Surface Areas and Volumes.	20	100
2	<b>Science</b> 	Physics: Motion, Force and laws of motion, Gravitation & Pressure, Work energy & power.	10	50
		Chemistry : Matter in our surroundings, is matter around us pure, atoms and molecules.	10	50
		Biology : Cell, Tissues, Diversity in living organisms, Health and diseases, improvement in food resources.	10	50
3	<b>Mental Ability</b> 	_____	10	50
		<b>Total</b>	<b>60</b>	<b>300</b>



**For Class X**



S.N.	Subject	Syllabus	No. of Qns.	Marks
1	<b>Maths</b> 	Real Numbers, Polynomials, Pair of Linear Equations in Two Variables, Quadratic Equations, Arithmetic progressions, Triangles, Co-ordinate Geometry, Introduction to Trigonometry, Some Applications of Trigonometry, Circles, Areas Related to Circles, Surface Areas and Volumes.	20	100
2	<b>Science</b> 	Physics: Light, reflection & refraction, The human eye and the colourful world, Electricity Magnetic effects of electric current.	10	50
		Chemistry : Chemical reactions & equations, Acids bases and salts, Metals & non-metals, Carbon and its compounds.	10	50
		Biology : Life processes, Control & Co-ordination, Reproduction, Heredity & Evolution, Our Environment.	10	50
3	<b>Mental Ability</b> 	_____	10	50
		<b>Total</b>	<b>60</b>	<b>300</b>

**For Class XI Studying Students (Engineering Aspirants)**

S.N.	Subject	Syllabus	No. of Qn.	Marks
1	<b>Maths</b> 	Sets, Relations and Functions, principle of Mathematical Induction, Logarithms, Complex Numbers & Quadratic Equations, Linear In-equations, Sequences and Series, Trigonometry, Straight Lines, Conic Sections, Permutations and Combinations, Binomial Theorem, Statistics, Mathematical Reasoning, Limits and Derivatives, Probability, Introductions to 3D Geometry.	15	75
2	<b>Physics</b> 	Physical world, Units & measurements, Motion in a straight line, Motion in a plane, Laws of motion, Work energy & power, System of particles & rotational motion, Gravitation, Mechanical properties of solids, Mechanical properties of fluids, Thermal properties of matter, Thermodynamics	15	75
3	<b>Chemistry</b> 	Basic concepts of chemistry, structure of atoms, Classification of elements & Periodicity in properties, Chemical bonding & molecular structure, States of matter : Gases & liquids, Thermodynamics, Redox reaction, Hydrogen, s-Block elements, Some p-block elements, Organic chemistry : Basic principle & techniques.	15	75
4	<b>Mental Ability</b> 	_____	15	75
		<b>Total</b>	<b>60</b>	<b>300</b>





**For Class XI Studying Students (Medical Aspirants)**

S.N.	Subject	Syllabus	No. of Qns.	Marks
1	<b>Biology</b> 	Diversity in the living world, Structural Organisation in plants & animals, Cell structure and functions, plant physiology, Animal Physiology.	15	75
2	<b>Physics</b> 	Physical world, Units & measurements, Motion in a straight line, Motion in a plane, Laws of motion, Work energy & power, System of particles & rotational motion, Gravitation, Mechanical properties of solids, Mechanical properties of fluids, Thermal properties of matter, Thermodynamics.	15	75

3	<b>Chemistry</b> 	Basic concepts of chemistry, structure of atoms, Classification of elements & Periodicity in properties, Chemical bonding & molecular structure, States of matter : Gases & liquids, Thermodynamics, Redox reaction, Hydrogen, s-Block elements, Some p-block elements, Organic chemistry : Basic principle & techniques.	15	75
4	<b>Mental Ability</b> 	_____	15	75
		<b>Total</b>	<b>60</b>	<b>300</b>







**For Class XII Studying Students (Engineering Aspirants)**

S.N.	Subject	Syllabus	No. of Qns.	Marks
1	<b>Maths</b> 	Relations and Functions, Inverse Trigonometric Functions, Matrices and Determinants, Continuity and Differentiability, Application of Derivatives, Integrals, Application of Integrals, Differential Equations, Vector Algebra, Three Dimensional Geometry, Probability, Linear Programming.	15	75
2	<b>Physics</b> 	Electric charges and fields, Electrostatic potential and capacitance, Current electricity, Moving charges and magnetism, Magnetism and matter, Electromagnetic induction, Alternating current, Electromagnetic waves, Ray optical instruments, Wave optics, Dual nature of radiation and matter, Atoms, Nuclei.	15	75
3	<b>Chemistry</b> 	Solid State, Solutions, Electrochemistry, Chemical kinetics, Surface Chemistry, Isolation of elements, p-block elements, d & f-block elements, Coordination compounds, Haloalkanes and Haloarenes, Alcohols, Phenols and Ethers Aldehydes, Ketones and Carboxylic acids, Organic compounds containing nitrogen, Biomolecules.	15	75
4	<b>Mental Ability</b> 	_____	15	75
		<b>Total</b>	<b>60</b>	<b>300</b>




**For Class XII Studying Students (Medical Aspirants)**

S.N.	Subject	Syllabus	No. of Qns.	Marks
1	<b>Biology</b> 	Reproduction, Genetics and evolution, Biology and human welfare, Biotechnology, Ecology.	15	75
2	<b>Physics</b> 	Electric charges and fields, Electrostatic potential and capacitance, Current electricity, Moving charges and magnetism, Magnetism and matter, Electromagnetic induction, Alternating current, Electromagnetic waves, Ray optical instruments, Wave optics, Dual nature of radiation and matter, Atoms, Nuclei.	15	75
3	<b>Chemistry</b> 	Solid State, Solutions, Electrochemistry, Chemical kinetics, Surface Chemistry, Isolation of elements, p-block elements, d & f-block elements, Coordination compounds, Haloalkanes and Haloarenes, Alcohols, Phenols and Ethers Aldehydes, Ketones and Carboxylic acids, Organic compounds containing nitrogen, Biomolecules	15	75
4	<b>Mental Ability</b> 	_____	15	75
		<b>Total</b>	<b>60</b>	<b>300</b>



## Cash REWARDS

S.N.	M-STAR* Rank	Minimum Qualifying Percentage in M-STAR*	 Rewards
1.	First rank of each class.	Above 80% Marks in M-STAR*	Rs. 20,000/-
2.	Second rank of each class.	Above 75% Marks in M-STAR*	Rs. 15,000/-
3.	Third rank of each class.	Above 70% Marks in M-STAR*	Rs. 10,000/-
4.	4th to 10th rank of each class.	Above 60% Marks in M-STAR*	Rs. 5,000/-
5.	11th to 50th rank of each class.	Above 50% Marks in M-STAR*	Rs. 2,000/-
6.	51st to 100th rank of each class.	Above 45% Marks in M-STAR*	Rs. 1,000/-



### Medals

First Rank of each class will be awarded with a Gold Medal.  
Second Rank of each class will be awarded with a Silver Medal.  
Third Rank of each class will be awarded with a Bronze Medal.



### Certificates

First, Second and Third rank of each class will get an Excellence Certificate.  
4th to 10th rank of each class will get Merit Certificate.  
11th to 100th ranks of each class will get participation Certificate.



# SCHOLARSHIP

## Scholarship for X to XII Studying Students

If a Student of X, XI or XII want to get admission in any regular course of MOMENTUM, then he/she will be given rebate in fee as Scholarship as per following table.

S.N.	M-STAR* Rank	M-STAR* Minimum Percentage	Registration Fee	Tuition Fee	Books
1.	1 - 3	70%	100% waiver	100% waiver	100% waiver
2.	4- 10	60%	Chargeable	100% waiver	100% waiver
3.	11- 20	55%	Chargeable	100% waiver	50% waiver
4.	21-50	50%	Chargeable	80% waiver	Chargeable
5.	51-100	45%	Chargeable	50% waiver	Chargeable
6.	101- 200	35%	Chargeable	30% waiver	Chargeable
7.	201-500	25%	Chargeable	20% waiver	Chargeable

\*Separate merit list will be prepared for each Class.

\*\*\*Note: In case a student is found to have used unfair means during the M-STAR\* test, he/she shall be disqualified from the M-STAR\* Scholarship Scheme & Cash Rewards.

### \*Necessary Information/Conditions about Cash Rewards:

- Students will get total Cash reward disbursed in two equal installments(1st award installment by 15th June 2023 & 2nd reward installment by 15th November 2023.
- Cash reward shall be paid by cheque.
- \*For Cash Reward: Student will have to qualify both rank and minimum qualifying parentage criteria if a student lies in two row of above table by different criteria than he/she will be getting lower cash reward.

# TERMS & CONDITIONS

1. Please read carefully all terms and conditions on backside of Registration form.
2. Incomplete form will not be considered. It is compulsory to fill all the columns. Kindly attach all the required documents along with duly filled-in Registration Form.
3. It is compulsory to provide mobile No. & E-mail ID of the student / parent / guardian. The result of tests or any other information by the **MOMENTUM** will be sent to the student via SMS and / or E-mail. **MOMENTUM** shall not be responsible if any information regarding result or anything else does not reach the student because of he/she has not mentioned his/her or Parents/Guardian updated & correct mobile No./ E-mail ID in MEPL Form at the time of Registration. It is advised to write Phone No.& E-mail ID of either father or mother for right communication between institute & student.
4. **POLICY FOR AVAILING SCHOLARSHIP & REWARD:** During the classroom/Hybrid Program at Momentum, a student must meet the following requirements failing which his/her Scholarship & Reward will be revoked with immediate effect. The decision of Chairman & Managing Director, MEPL shall be final and binding to all parties.
  - (a) **Attendance:** The attendance of the student in the coaching class should not drop below 85% throughout Classroom / Hybrid program. It is compulsory for a student under this program to write all his/her class test papers conducted by the institute in his/her batch. If a student keeps himself/herself absent from the classes without prior permission from the centre Head, then a warning letter will be issued against him/her. Despite the warning letter, If the student continues to default further and does not change his/her attitude, then the Scholarship & Reward program of such student will be revoked with immediate effect. If a student continues to remain absent for more than two weeks due to health issues or any other reason without prior permission from the Centre Head, his/her candidature for the Scholarship & Rewards program will be revoked.
  - (b) **Test Score:** The students will be required to maintain a minimum of 65% marks in their phase assessment tests (for Engineering Aspirants) and 60% (for Medical Aspirants ). And a minimum of 40% marks in their Regular Assessment Tests on Fortnightly & Monthly basis to continue their scholarship award in Forthcoming Years of their 2/3/4 Year Program.
  - (c) **Indiscipline:** Any act of indiscipline by the student brought to the notice of the administration of MEPL in the classroom centre will not be accepted. A warning will be issued to such students, offering them another chance to improve their behaviour. Despite warning, if the student does not alter than his/her candidature for the Scholarship & Reward will be revoked with immediate effect and can be struck off from roll. In case a student misbehaves / gets involved in negative activities like teasing, theft, indiscipline, use of abusive languages, he/she can be rusticated by the Centre Head and fee paid shall not be refunded in such cases.
5. **DISPUTE:** In case, any dispute arises between student/parents and the Institute regarding the interpretation of these terms and conditions, non-payment of any claim or any dispute arising out of or in pursuant to these terms and conditions, the same shall be referred to sole arbitrator who shall be appointed by the Managing Director of M/s.Momentum Eduserve Private Limited. The proceedings shall be conducted at Gorakhpur under the provisions of Arbitration & Conciliation Act and the Courts at Gorakhpur only shall have the jurisdiction over the matter and/or for enforcement as the case may be. Arbitrator to whom the matter is referred refuses to act or for any reason, does not enter the reference or after entering into the reference proceedings are abandoned or kept in abeyance or not proceeded with, it shall be lawful for the Managing Director of M/s. Momentum Eduserve Private Limited to appoint another person to act as and arbitrator in the manner aforesaid. Such person shall be entitled to proceed with reference from the stage at which proceeding was left by his predecessor, if both the parties consent to this effect, failing which the new arbitrator will be entitled to proceed denovo.
6. **MEANING OF SCHOLARSHIP:** Scholarship means Fee Concession /Fee Discount in our regular program . If at any point of time, the Government decides to charge GST on the scholarship / concession amount / fee waiver then the GST shall be borne by the student / parent / guardian.



## **MOMENTUM**

### **The best choice**

- 1. Value system :** Momentum is managed and controlled by Experienced, Competent and Qualified Academicians/Professionals. In our classroom learning program to performance analysis of each student has defined processes and structured Roles & Responsibilities.
- 2. Exhaustive and well planned course Structure :** We have taught thousands of students of eastern U.P. in 19 years and we know the nerve of this area. Our academic management and curriculum execution is planned and implemented keeping these students in mind.
- 3. Best Faculty :** We have a highly qualified well trained and experienced faculty.
- 4. Comprehensive Study Material :** To supplement the teaching, we provide customized study material which contain multiple level problems covering entire syllabus of School Boards & JEE/NEET.
- 5. Test and Analysis :** Our test papers strictly follow pattern of entrance examination for maximum benefit of students. Performance of each student is continuously evaluated and remedial measures are taken to improve performance. After completion of whole syllabus students are given 15 days break, then revision tests are conducted.
- 6. Individual Attention :** Our Unique doubt desk concept take care of personalized doubt removal of each student to enhance individual learning.
- 7. Impressive Past performance :** The cumulative results in JEE Main, JEE Advanced & NEET are unmatched by any other 'contemporary' institute in the region. Unprecedented Success since 2005 with more than 1140 selections in IIT-JEE, more than 5200 selections in JEE main has created landmark in education sector of eastern U.P.





## Previous Year M-STAR Pictures



Head Office : Chhatra Sangh Chowk, Gorakhpur

Ph: +91-6390903200, 6390903201



Branch Office : Awasi Vikas (Near Kali Mandir), Basti

Ph: +91-6390903210, 6390903211



Branch Office : Tahsil Road (Tahsil Gate), Deoria

Ph: +91-6390903213, 6390903214



[www.momentum.ac.in](http://www.momentum.ac.in)



[support@momentum.ac.in](mailto:support@momentum.ac.in)



[momentum.ac.in](http://momentum.ac.in)



[twitter.com/momentum\\_gkp](https://twitter.com/momentum_gkp)