Matoshree Vimalabai Deshmukh Mahavidyalaya, Amravati

Department of Mathematics

Programme: Undergraduate B.Sc. (Bachelor of Science)

Academic Session 2018-2019

Attainment of Programme Outcome and Course Outcome

Programme: B.Sc.

Year	2018-2019
No. of Students Enrolled	302

Program Outcomes (POs) of UG Programmes - B.Sc.

Students of all undergraduate degree Programmes at the time of graduation will be able to-

PO 1: To understand the nature of mathematical proofs and write clear and concise proofs.

PO 2: To become proficient in using mathematics to solve problems both in education and in real life situations.

PO 3: To communicate effectively in oral and written form.

PO 4: To appreciate the usefulness, power and beauty of mathematics.

PO 5: To understand and be able to use the language, symbols and notation of mathematics.

PO 6: To understand how to write simple computer programs to perform the mathematical competition.

Attainment of Programme Outcome:

(Including Assessment through Internal Assessment, Viva, Seminar, Project Work)

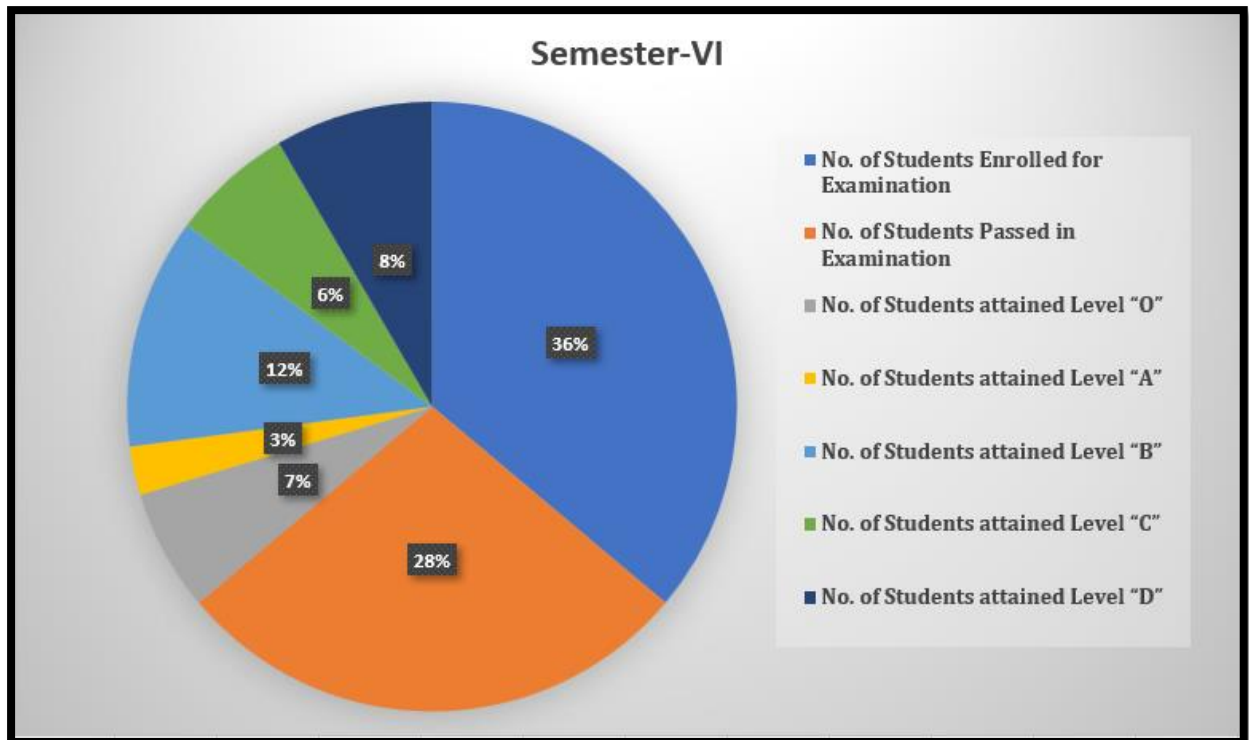| Year 2018-2019	Semester-VI
No. of Students Enrolled for Examination	56
No. of Students Passed in Examination	43
No. of Students attained Level "O"	10
No. of Students attained Level "A"	04
No. of Students attained Level "B"	19
No. of Students attained Level "C"	10
No. of Students attained Level "D"	13

Level "O": Students secured 75 % & above marks

Level "A": Students secured 60-74% marks

Level "B": Students secured 46 to 59 % Marks

Level "C": Students secured 40 to 45 % Marks

Level "D": Students secured less than 40% Marks

Semester-VI

- No. of Students Enrolled for Examination
- No. of Students Passed in Examination
- No. of Students attained Level "O"
- No. of Students attained Level "A"
- No. of Students attained Level "B"
- No. of Students attained Level "C"
- No. of Students attained Level "D"

36%
28%
8%
6%
12%
3%
7%

Attainment of Programme Outcome 2018-2019

Attainment of Course Outcome:

Course: Mathematics

Course Code: -

CO (Course Outcomes)
B.Sc. I, B.Sc., B.Sc. III (Mathematics)
COs of B.Sc. "Mathematics"

After the completion of the course the students will be able:

CO 1: To understand the common body of knowledge in mathematics and apply analytical and theoretical skills to model and solve the mathematical problems.

CO 2: To understand various concepts of Trigonometry

CO 3: To understand Differential Equations: Ordinary and Partial.

CO 4: To understand Vector Analysis and Solid Geometry.

CO 5: To understand advanced calculus and Elementary Number theory.

CO 6: To grasp various mathematical methods.

CO 7: To understand Linear Algebra, Graph Theory, and Special Theory of Relativity.

Attainment of Course Outcome:

(Including Assessment through Internal Assessment, Viva, Seminar, Project Work)

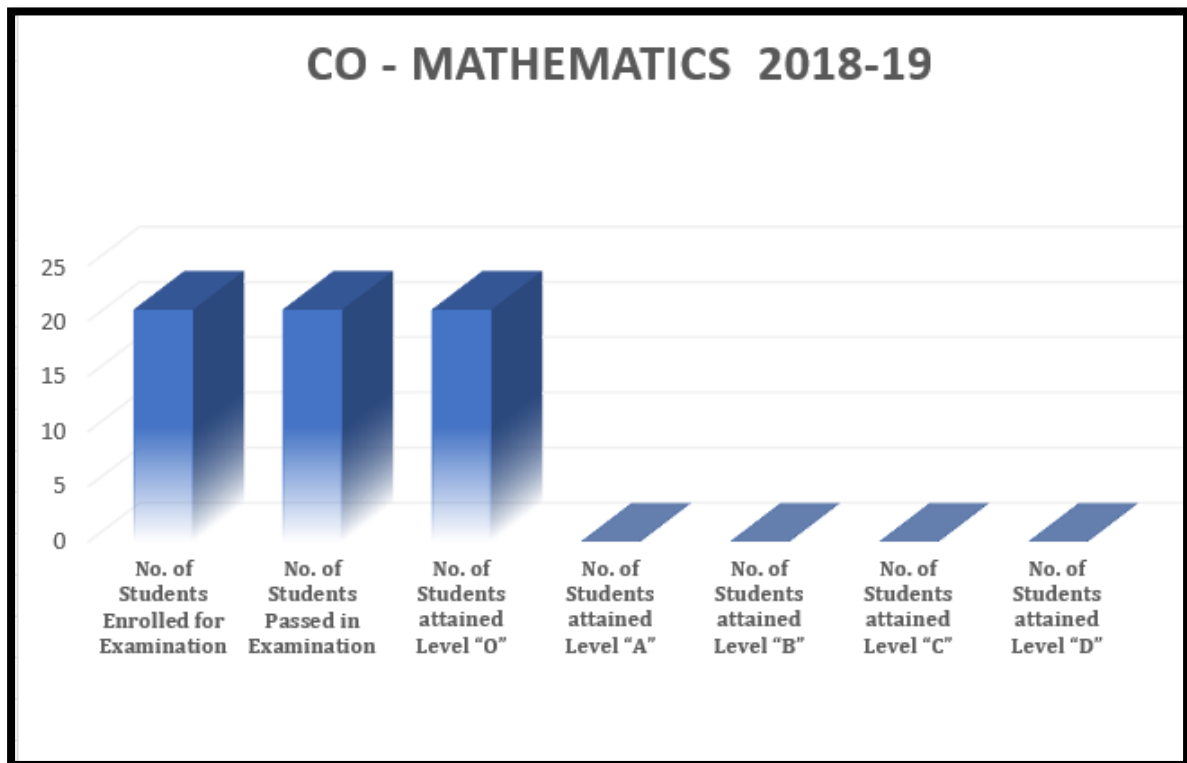| Year 2018-2019	Semester -VI
No. of Students Enrolled for Examination	**21**
No. of Students Passed in Examination	**21**
No. of Students attained Level "O"	**21**
No. of Students attained Level "A"	**00**
No. of Students attained Level "B"	**00**
No. of Students attained Level "C"	**00**
No. of Students attained Level "D"	**00**

Level "O": Students secured 75 % & above marks

Level "A": Students secured 60-74% marks

Level "B": Students secured 46 to 59 % Marks

Level "C": Students secured 40 to 45 % Marks

Level "D": Students secured less than 40% Marks

Attainment of Course Outcome 2018-2019

Head	**IQAC**
Department of Mathematics	**Coordinator**

Principal
Matoshree Vimalabai Deshmukh Mahavidyalaya,
Amravati

Department of Mathematics

Programme: Undergraduate B.Sc. (Bachelor of Science)

Academic Session 2019-2020

Attainment of Programme Outcome and Course Outcome

Programme: B.Sc.

Year	2019-2020
No. of Students Enrolled	293

Program Outcomes (POs) of UG Programmes - B.Sc.

Students of all undergraduate degree Programmes at the time of graduation will be able to-

PO 1: To understand the nature of mathematical proofs and write clear and concise proofs.

PO 2: To become proficient in using mathematics to solve problems both in education and in real life situations.

PO 3: To communicate effectively in oral and written form.

PO 4: To appreciate the usefulness, power and beauty of mathematics.

PO 5: To understand and be able to use the language, symbols and notation of mathematics.

PO 6: To understand how to write simple computer programs to perform the mathematical competition.

Attainment of Programme Outcome:

(Including Assessment through Internal Assessment, Viva, Seminar, Project Work)

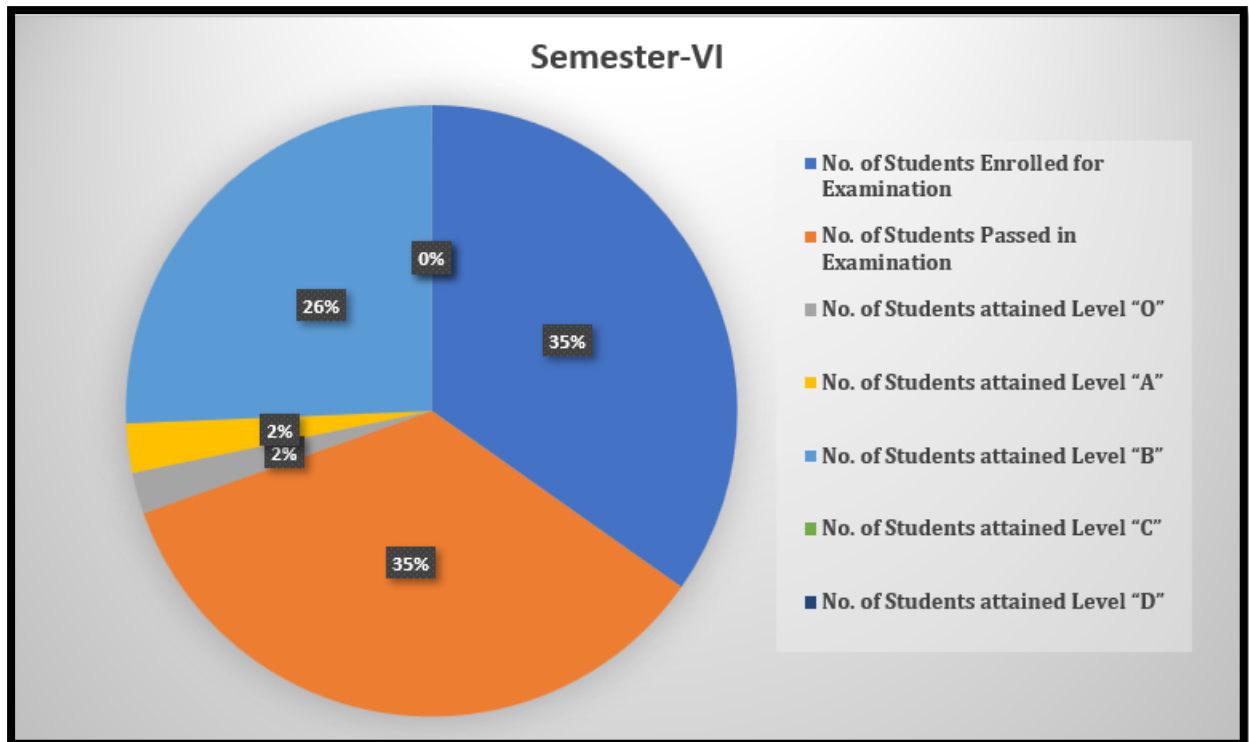| Year 2019-2020	Semester-VI
No. of Students Enrolled for Examination	**80**
No. of Students Passed in Examination	**80**
No. of Students attained Level "O"	**05**
No. of Students attained Level "A"	**06**
No. of Students attained Level "B"	**59**
No. of Students attained Level "C"	**00**
No. of Students attained Level "D"	**00**

Level "O": Students secured 75 % & above marks

Level "A": Students secured 60-74% marks

Level "B": Students secured 46 to 59 % Marks

Level "C": Students secured 40 to 45 % Marks

Level "D": Students secured less than 40% Marks

Attainment of Programme Outcome 2019-2020

Attainment of Course Outcome:

Course: Mathematics

Course Code: -

CO (Course Outcomes)
B.Sc. I, B.Sc., B.Sc. III (Mathematics)
COs of B.Sc. "Mathematics"

After the completion of the course the students will be able:

CO 1: To understand the common body of knowledge in mathematics and apply analytical and theoretical skills to model and solve the mathematical problems.

CO 2: To understand various concepts of Trigonometry

CO 3: To understand Differential Equations: Ordinary and Partial.

CO 4: To understand Vector Analysis and Solid Geometry.

CO 5: To understand advanced calculus and Elementary Number theory.

CO 6: To grasp various mathematical methods.

CO 7: To understand Linear Algebra, Graph Theory, and Special Theory of Relativity.

Attainment of Course Outcome:

(Including Assessment through Internal Assessment, Viva, Seminar, Project Work)

Year 2019-2020	Semester -VI
No. of Students Enrolled for Examination	**15**
No. of Students Passed in Examination	**15**
No. of Students attained Level "O"	**15**
No. of Students attained Level "A"	**00**
No. of Students attained Level "B"	**00**
No. of Students attained Level "C"	**00**
No. of Students attained Level "D"	**00**

Level "O": Students secured 75 % & above marks
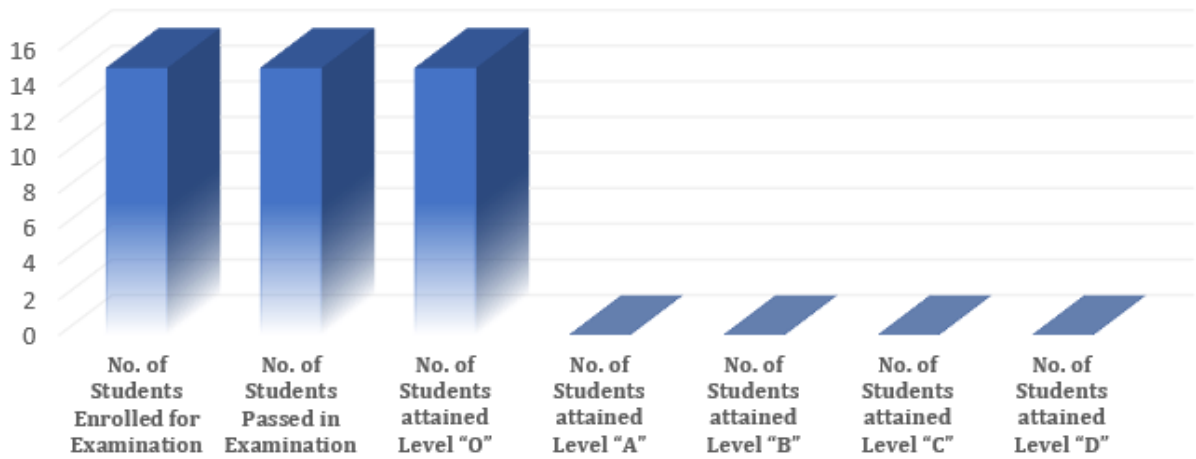
Level "A": Students secured 60-74% marks

Level "B": Students secured 46 to 59 % Marks

Level "C": Students secured 40 to 45 % Marks

Level "D": Students secured less than 40% Marks

CO - MATHEMATICS 2019-20

Attainment of Course Outcome 2019-2020

Head
Department of Mathematics

IQAC
Coordinator

Principal
Matoshree Vimalabai Deshmukh Mahavidyalaya,
Amravati

Matoshree Vimalabai Deshmukh Mahavidyalaya, Amravati

Department of Mathematics

Programme: Undergraduate B.Sc. (Bachelor of Science)

Academic Session 2020-2021

Attainment of Programme Outcome and Course Outcome

Programme: B.Sc.

Year	2020-2021
No. of Students Enrolled	307

Program Outcomes (POs) of UG Programmes - B.Sc.

Students of all undergraduate degree Programmes at the time of graduation will be able to-

PO 1: To understand the nature of mathematical proofs and write clear and concise proofs.

PO 2: To become proficient in using mathematics to solve problems both in education and in real life situations.

PO 3: To communicate effectively in oral and written form.

PO 4: To appreciate the usefulness, power and beauty of mathematics.

PO 5: To understand and be able to use the language, symbols and notation of mathematics.

PO 6: To understand how to write simple computer programs to perform the mathematical competition.

Attainment of Programme Outcome:

(Including Assessment through Internal Assessment, Viva, Seminar, Project Work)

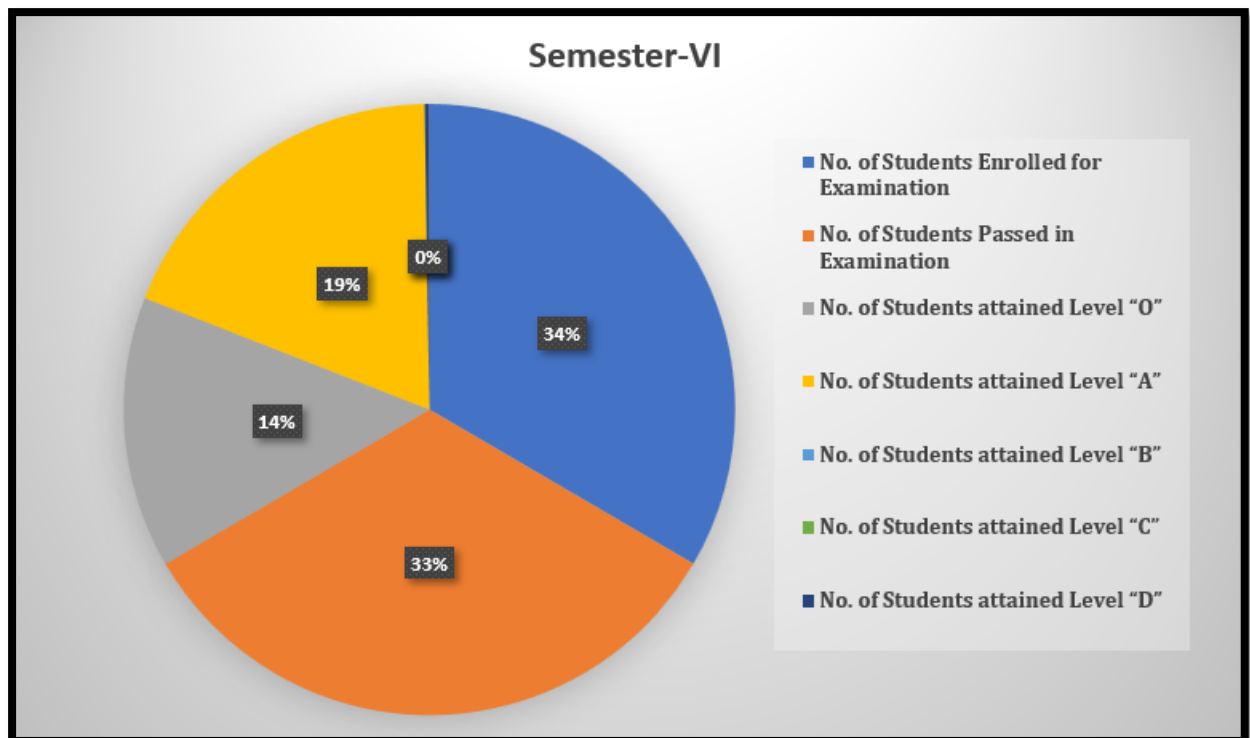| Year 2020-2021	Semester-VI
No. of Students Enrolled for Examination	135
No. of Students Passed in Examination	134
No. of Students attained Level "O"	58
No. of Students attained Level "A"	76
No. of Students attained Level "B"	00
No. of Students attained Level "C"	00
No. of Students attained Level "D"	01

Level "O": Students secured 75 % & above marks

Level "A": Students secured 60-74% marks

Level "B": Students secured 46 to 59 % Marks

Level "C": Students secured 40 to 45 % Marks

Level "D": Students secured less than 40% Marks

Semester-VI

Attainment of Programme Outcome 2020-2021

Attainment of Course Outcome:

Course: Mathematics

Course Code: -

CO (Course Outcomes)
B.Sc. I, B.Sc., B.Sc. III (Mathematics)
COs of B.Sc. "Mathematics"

After the completion of the course the students will be able:

CO 1: To understand the common body of knowledge in mathematics and apply analytical and theoretical skills to model and solve the mathematical problems.

CO 2: To understand various concepts of Trigonometry

CO 3: To understand Differential Equations: Ordinary and Partial.

CO 4: To understand Vector Analysis and Solid Geometry.

CO 5: To understand advanced calculus and Elementary Number theory.

CO 6: To grasp various mathematical methods.

CO 7: To understand Linear Algebra, Graph Theory, and Special Theory of Relativity.

Attainment of Course Outcome:

(Including Assessment through Internal Assessment, Viva, Seminar, Project Work)

Year 2020-2021	Semester -VI
No. of Students Enrolled for Examination	**54**
No. of Students Passed in Examination	**54**
No. of Students attained Level "O"	**43**
No. of Students attained Level "A"	**07**
No. of Students attained Level "B"	**01**
No. of Students attained Level "C"	**03**
No. of Students attained Level "D"	**00**

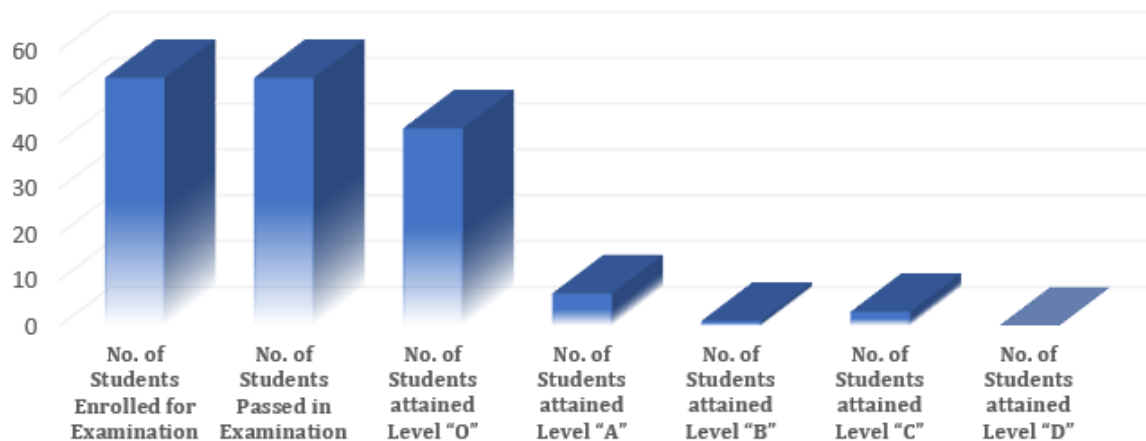**Level "O": Students secured 75 % & above marks**

Level "A": Students secured 60-74% marks

Level "B": Students secured 46 to 59 % Marks

Level "C": Students secured 40 to 45 % Marks

Level "D": Students secured less than 40% Marks

CO - MATHEMATICS 2020-21

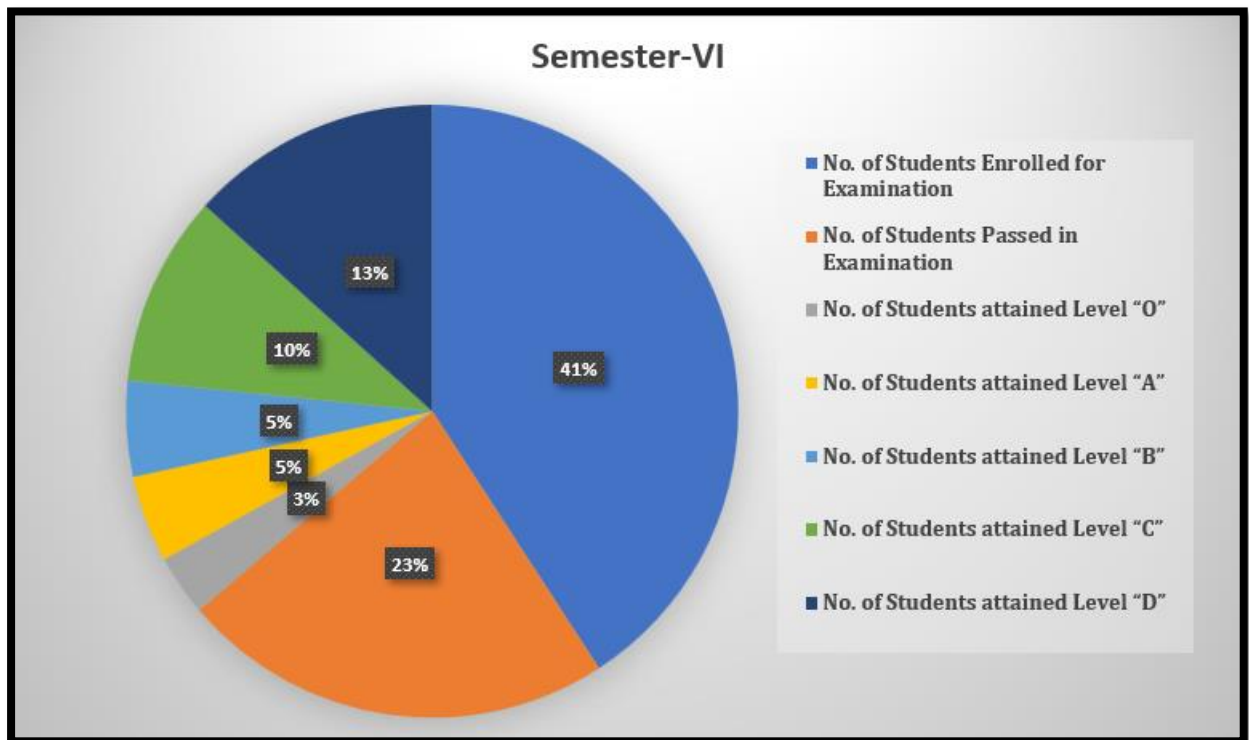| | No. of Students Enrolled for Examination | No. of Students Passed in Examination | No. of Students attained Level "O" | No. of Students attained Level "A" | No. of Students attained Level "B" | No. of Students attained Level "C" | No. of Students attained Level "D" |

Attainment of Course Outcome 2019-2020

| Head | IQAC |
| Department of Mathematics | Coordinator |

Principal
Matoshree Vimalabai Deshmukh Mahavidyalaya,
Amravati

Matoshree Vimalabai Deshmukh Mahavidyalaya, Amravati

Department of Mathematics

Programme: Undergraduate B.Sc. (Bachelor of Science)

Academic Session 2021-2022

Attainment of Programme Outcome and Course Outcome

Programme: B.Sc.

Year	2021-2022
No. of Students Enrolled	205

Program Outcomes (POs) of UG Programmes - B.Sc.

Students of all undergraduate degree Programmes at the time of graduation will be able to-

PO 1: To understand the nature of mathematical proofs and write clear and concise proofs.

PO 2: To become proficient in using mathematics to solve problems both in education and in real life situations.

PO 3: To communicate effectively in oral and written form.

PO 4: To appreciate the usefulness, power and beauty of mathematics.

PO 5: To understand and be able to use the language, symbols and notation of mathematics.

PO 6: To understand how to write simple computer programs to perform the mathematical competition.

Attainment of Programme Outcome:

(Including Assessment through Internal Assessment, Viva, Seminar, Project Work)

Year 2021-2022	Semester-VI
No. of Students Enrolled for Examination	89
No. of Students Passed in Examination	50
No. of Students attained Level "O"	07
No. of Students attained Level "A"	10
No. of Students attained Level "B"	11
No. of Students attained Level "C"	22
No. of Students attained Level "D"	29

Level "O": Students secured 75 % & above marks

Level "A": Students secured 60-74% marks

Level "B": Students secured 46 to 59 % Marks

Level "C": Students secured 40 to 45 % Marks

Level "D": Students secured less than 40% Marks

Attainment of Programme Outcome 2021-2022

Attainment of Course Outcome:

Course: Mathematics

Course Code: -

CO (Course Outcomes)
B.Sc. I, B.Sc., B.Sc. III (Mathematics)
COs of B.Sc. "Mathematics"

After the completion of the course the students will be able:

CO 1: To understand the common body of knowledge in mathematics and apply analytical and theoretical skills to model and solve the mathematical problems.

CO 2: To understand various concepts of Trigonometry

CO 3: To understand Differential Equations: Ordinary and Partial.

CO 4: To understand Vector Analysis and Solid Geometry.

CO 5: To understand advanced calculus and Elementary Number theory.

CO 6: To grasp various mathematical methods.

CO 7: To understand Linear Algebra, Graph Theory, and Special Theory of Relativity.

Attainment of Course Outcome:

(Including Assessment through Internal Assessment, Viva, Seminar, Project Work)

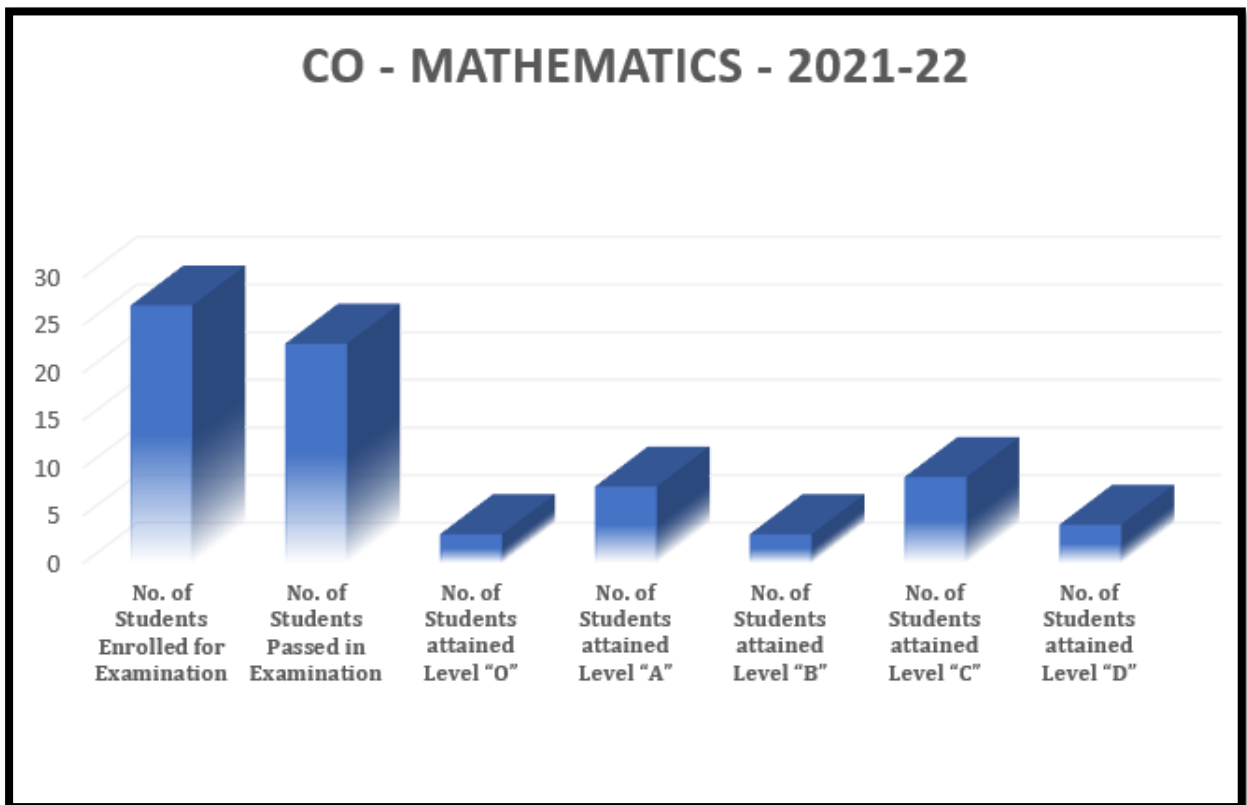| Year 2021-2022	Semester -VI
No. of Students Enrolled for Examination	27
No. of Students Passed in Examination	23
No. of Students attained Level "O"	03
No. of Students attained Level "A"	08
No. of Students attained Level "B"	03
No. of Students attained Level "C"	09
No. of Students attained Level "D"	04

Level "O": Students secured 75 % & above marks

Level "A": Students secured 60-74% marks

Level "B": Students secured 46 to 59 % Marks

Level "C": Students secured 40 to 45 % Marks

Level "D": Students secured less than 40% Marks

Attainment of Course Outcome 2021-2022

Head
Department of Mathematics

IQAC
Coordinator

Principal
Matoshree Vimalabai Deshmukh Mahavidyalaya,
Amravati