

2.6.2 Attainment of Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution.

Our Institute is affiliated to Rashtrasanta Tukadoji Maharaj Nagpur University, Nagpur. We offered Under Graduate, Post Graduate programs and courses under the Faculty of Arts, Commerce and Science. For these programs and courses, the institute followed the curriculum designed by our affiliated university. The Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution and the same are communicated to the students in the formal way of the discussion in the classroom and departmental notice board.

After measuring attainment of POs , PSOs and COs, it has been observed that the strength of the students as well as passing percentage of the students is increasing progressively. Besides, students' progression to the higher studies that is from Under Graduate to Post Graduate seems to be increasing consistently and rapidly in the last five years. In a similar way, the ratio of students' placement is also increasing. We took utmost care of measuring the level of attainment of POs, PSOs and COs and followed formal as well as informal mechanism for the measurement of attainment of the outcomes. Even we took feedback from all the stakeholders in this respect and try to take necessary steps accordingly.

Subsequently, the College took care of the attainment to measure the POs, PSOs and COs and implemented the mechanism as follows:-

- The institute followed the Academic Calendar of our affiliated university.
- All the subject teachers maintained Academic Diary in every academic year.
- All the subject teachers prepared Semester-Wise evaluation Reports.
- Internal examination committee analyzed evaluation reports of results
- .• Institute considered Feedback from the Stakeholders for the attainment of PO, PSO and CO.
- Placement committee took the review of the Students' Progression to Higher Studies and their Placement.

Attainments of CO's are calculated by using university examination results. Attainment levels are finalized at college level and conveyed to IQAC through Internal Examination Committee. The attainment level of each CO is computed by setting weights as follows:

Weight	Benchmark
1	Number of students securing below 35%
2	Number of students securing above 36 to 45 %
3	Number of students securing above 46 to 60 %
4	Number of students securing 61% and above %

The averages attainment of COs of each course is mapped to POs & PSOs.

New Arts Commerce and Science College, Wardha

Program Educational Objectives (PEOs), Program Outcomes (POs) & Program Specific Outcomes (PSOs)



New Arts Commerce and Science College, Wardha (Maharashtra)

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Bachelor of Arts (BA)

Vision

To help students determine and develop their unique skills of social wisdom through an intense, integrated arts and academic programs with high standards that combines critical thinking and a whole-personality developmental approach to learning.

Mission

To impart education with the virtues of ethical values, sense of equality and peace in young minds and enable them to reach intellectual maturity to become inspired leaders nationally and globally.

Through these skills and qualities of arts, we will prepare our students to pursue their educational goals and allow them to contribute to their families and wellbeing of society as a whole.

Program Educational Objectives (PEOs)	
<i>The graduate will</i>	
PEO1	Comprehend the world of Literature and master the diverse literary works to explore the skills of language
PEO2	Acquire a thorough knowledge on the historical and theoretical aspects of Literature and varied domains of humanities
PEO3	Develop a flair for the English Language and incorporate the wisdom of various techniques and patterns employed in various literatures
PEO4	Our strong academic program unfolds and supports the literary potential of our students.
Program Outcomes (POs)	
<i>At the end of the BA Program, graduates will be able to</i>	
PO1	Gain a complete exposure to the practicalities of various dimensions of business organizations and environments

PO2	Get transformed into accomplished and active learners of accountancy enabling the students to focus on their higher studies in commerce
PO3	Develop an understanding of various commerce functions such as finance, accounting, financial analysis, project evaluation, and cost accounting
PO4	Explore how existing literary works help to research and bring financial awareness with regard the needs of global economics
Program Specific Outcomes (PSOs)	
PSO1	Knowledge of foundational texts and literature would have enhanced
PSO2	Enhancing the employability skills in all aspects of literature
PSO3	Understanding of the development of the language used in works of literature.

B.Sc. (Computer Science)

Vision:

To edify our students on multiple programming paradigms and to disseminate knowledge in computing with societal concern.

Mission

- Provide excellent undergraduate education in a state of computational environment, preparing students for careers as computer professionals in public sector and private sector as well
- Improve the quality and impact of research in the application of computers with educational experience nationally and internationally
- Support students for their career development, professional growth and to sustain in lifelong learning atmosphere in the world of IT

Program Educational Objectives (PEOs)	
<i>The graduate will</i>	
PEO1	Graduates are trained to apply the knowledge of mathematics, science, fundamentals of algorithms and specialization to design solutions to complex computational issues

PEO2	Graduates are enabled to critically analyze a problem and to design, implement, and evaluate a computing solution that meets requirements. An ability to work effectively in small groups on medium scale computing projects.
PEO3	Graduates are motivated in career and entrepreneurial skill development to become global leaders in solving computing problems
PEO4	Graduates are trained to demonstrate creativity, develop innovative ideas and. to work in teams to accomplish a common goal.
PEO5	Graduates are addressed with social issues and guided to operate problems with solutions for digitalization
Program Outcomes (POs)	
<i>At the end of the BSc CS Program, graduates will be able to</i>	
PO1	Critical Thinking: Apply knowledge of Computer Science to identify, analyze problems and to provide effective solution in the area of Computing.
PO2	Analytical skill: Ability to design, develop algorithms and provide software solutions to cater to the industrial needs.
PO3	Employability Skills: Inculcate skills to excel in the fields of Information Technology & its enabled services, in public & private sectors and in teaching and research areas
PO4	Ethics: Instill ethical responsibilities, human and professional values and make their contribution to the society.
PO5	Self-Directed and Life-long Learning: Engaged in lifelong learning to equip them to get adopted to changing environment and be prepared to take-up mastering programs
Program Specific Outcomes (PSOs)	
PSO1	Professionally trained in the areas of programming, multimedia, animation, web designing, networking and to acquire knowledge in various domain based electives.
PSO2	Abet students to communicate effectively and to improve their competency skills to solve real time problems in the field of computers
PSO3	The ability to employ modern computer languages and applications for their successful career, to create platforms to become an entrepreneur and

	inquisitiveness for higher studies.
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B.Sc. (Mathematics/Physics/Chemistry)

Vision:

To become a premier center in promoting the ability of students to design and conduct experiments, as well as to analyze and interpret data in the subjects of Mathematics/Physics/Chemistry

Mission

To materialize the vision, the Department of Mathematics/Physics/Chemistry focuses on the following:

- To provide necessary background
- For producing a meaningful career in Mathematics/Physics/Chemistry and related fields
- For acquiring, Mathematics/Physics/Chemistry skills and employability skills

Program Educational Objectives (PEOs)	
PEO1	Graduates will develop the skill of critical thinking to crack the entrance examinations conducted by IIT's/Universities to pursue PG and Integrated Ph.D and will shine as great Mathematicians
PEO2	Graduates to develop confidence to appear for SSC (CGL), IBPS, RRB and Civil services exam and will occupy higher posts in administrative level.
PEO3	Graduates will prepare in advance to appear for TRB after completing BEd and become a dedicated faculty.
PEO4	Graduates develop teaching skills, Subject knowledge in the course of their study which will help them to shine in various fields including Education, IT, etc.
PEO5	Graduates will use their course as a training ground to develop their positive attitude, skills which will enable them to become a multi facet personality shining in any chosen field of science
Program Outcomes (POs)	
<i>At the end of the B.Sc Mathematics/Physics/Chemistry Programme, graduates</i>	
PO1	Acquire a thorough foundation of fundamentals of Mathematics/ Physics/

	chemistry programs
PO2	Develop the skill to think critically on abstract concepts of Mathematics and follow innovations and developments in science and technology
PO3	Acquire the ability to think independently paving way for lifelong learning
PO4	Analyze the situation, plan a problem and execute experiments & investigations, interpret data information collected with appropriate methods to find a solution
PO5	Enhance Logical reasoning skills, arithmetic skills, aptitude skills, communication skills and self-confidence for better employability.
PO6	Formulate and develop mathematical arguments in logical manner.
PO7	Would be provided a systematic understanding of the concepts and theories of mathematics and computing their application in the real world.
Program Specific Outcomes (PSOs)	
PSO1	Understand the basic concepts of advanced Mathematics.
PSO2	Develop the skills of problem-solving
PSO3	Create Mathematical Models.

Bachelor of Commerce (B.Com)

Vision:

To develop a centre of excellence for commerce education, training and research

Mission

To materialize the vision, the Department of B.Com focuses on the following:

- To provide the best knowledge and offer practical training to students in the field of commerce.
- To continuously evaluate the performance against benchmarking institution.
- To groom students with IT skills and values for global competency and transform them into ideal citizens of our country.

Program Educational Objectives (PEOs)	
<i>The graduate will</i>	
PEO1	Possess wide spectrum of managerial skills along with competency building qualities in specific areas of business studies.
PEO2	Exercise professional skills, values, team spirit, and high leadership abilities to accept the challenges in the Industry and Academics of commerce and economics
PEO3	Excel in contemporary knowledge of business and develop inclination towards lifelong learning
Program Outcomes (POs)	
<i>At the end of the B.Com Programme, graduates will be able to</i>	
PO1	Have comprehensive knowledge of Finance, Accounting, Taxation and Business laws.
PO2	Equip with professional, inter personal and entrepreneurial skills.
PO3	Gear up with updated knowledge in implementing business practices
PO4	Prepare for post graduate studies to achieve success in their professional careers.
Program Specific Outcomes (PSOs)	
PSO1	To cater to the manpower needs of companies in Accounting, Taxation, Business Laws, Auditing, Financial analysis and Management.
PSO2	To enrich communication, ethical values, team work, professional and leadership skill sets of students.
PSO3	To inculcate entrepreneurship and managerial skills in students so as to enable them to establish and manage their business effectively
PSO4	To integrate knowledge, skill and attitude that will sustain in an environment of learning and creativity among the students with an assurance for good careers.

B.Com. (Computer Applications)

Vision

To synthesize the stake-holders' energy for an international recognition in the field of commerce with computer applications.

Mission

- To enable the students to play vital role in the field of commerce with digitalization.
- To provide a platform to enhance technical abilities in accounting and business skills to plan for startups
- Computer based solutions for business problems.
- To train the students both theoretically and practically to get acquainted with business organizations and business environment
- To create good citizens through holistic and value based education.

Programme Educational Objective (PEO)	
<i>The graduate will</i>	
PEO1	Possess competent skills in micro areas like Accounting, Taxation, Banking, Insurance and E-Commerce.
PEO2	be able to find solutions to the real time problems in the business with the specialized knowledge developed through practical training.
PEO3	develop a program for system based applications and web page creation for business enterprises.
PEO4	work in teams with enriched communication and intellectual skills.

Programme Outcome (PO)	
<i>At the end of the programme, graduating students/graduates will be able to</i>	
PO1	Gain knowledge in commerce and accounting software for corporate requirements.
PO2	Get employment in IT fields, Software, Banks, Companies, BPOs and KPOs.
PO3	Demonstrate professional ethics in the social and legal aspects of commerce.
PO4	Integrate the ethical behavior in self-learning, apply towards lifelong learning and acquiring knowledge in modern corporate and the IT sector.
Program Specific Outcome (PSO)	
PSO1	Understand the concepts of commerce and computer application operations.
PSO2	Apply the current techniques, skills, and tools necessary for computing practices.
PSO3	Ability to design, implement domain knowledge for computer programming.

Bachelor of Business Administration (BBA)

Vision:

To produce successful and competent Business Professionals

Mission

To materialize the vision, the Department of BBA focuses on the following:

- We provide students with a comprehensive business education to make them to meet the needs of competitive business world.
- To empower the students with latest information with regard HR and transform them into socially responsible citizens.
- To offer professional development trainings and career management opportunities for our students.

Program Educational Objectives (PEOs)	
<i>The graduate will</i>	
PEO1	Graduates will acquire expertise in the area of leadership, interpersonal skills, entrepreneurship, and marketing.
PEO2	Graduates will get effectuated in the global competitive world more professionally.
PEO3	Graduates will be trained as responsible managers to lead the corporate affairs with morals and ethics.
Program Outcomes (POs)	
<i>At the end of the BBA Program, graduates will be able to</i>	
PO1	Acquire knowledge and skills in the field of management, accounting, marketing and human relations.
PO2	Apply the entrepreneurial and managerial skills for effective business management.
PO3	Acquire employability skills through the practical exposure to the application of IT in management.
PO4	To comprehend applicability of management principles to challenge new situations in global business world.
PO5	Develop legal and ethical values for the continuous development of business venture.
Program Specific Outcomes (PSOs)	
PSO1	Reinvent the concepts of management principles, accounting and marketing operations according to the needs of modern corporates globally
PSO2	Understand the leadership skills through internships and trainings so that they can nurture new start ups
PSO3	Apply the managerial knowledge in the business for effective decision making.
PSO4	Demonstrate critical thinking skills in understanding managerial issues and problems related to the global economy and international business.

M.Sc. (Computer Science)

Vision

To be the premier department in technical research aspects of IT and ITES

Mission

- Motivate the students to qualify for good results and prepare the students for independent growth and progressive careers in digital field for long – term professional employment.
- Attain leadership in planning and resource management so as to improve upon the quality of technical education
- Make the department vibrant and support the developmental activities of the college
- Make contributions in areas of emphasis such as faculty, modern labs, and department library.

Program Educational Objectives (PEOs)	
<i>The graduate will</i>	
PEO1	Domain Expertise: apply and continuously acquire knowledge, both theoretical and applied, related to core areas of computer science;
PEO2	Computing Skills and Ethics: Demonstrate the ability to work effectively as a team member and as a leader in an ever-changing professional environment of networking and data science
PEO3	Lifelong Learning and Research: work productively as computer professionals (in traditional careers, graduate school, or academia) by demonstrating effective use of oral and written communication, working competently as a member of a team unit, adhering to ethical standards in the profession.
Program Outcomes (POs)	
<i>At the end of the Master of Computer Applications Programme, graduating students/graduates will be able to</i>	
PO1	Domain Expertise: communicate computer science concepts, designs, and solutions effectively and professionally;
PO2	Computing Skills and Ethics: apply knowledge of computing to produce effective designs and solutions for specific problems;
PO3	Lifelong Learning and Research: identify, analyze, and synthesize scholarly literature relating to the field of computer science;
PO4	Modern Tool Usage: use software development tools, software systems, and modern computing platforms to provide much needed software to the world
PO5	Social Contribution: getan understanding of professional, ethical, legal, security and social issues and responsibilities

PO6	Ethics: be capable of evaluating personal and professional choices in terms of codes of ethics and ethical theories and understanding the impact of their decisions on themselves, their professions, and on society
PO7	Life Long Learning: apply design and development principles in the construction of software systems of varying complexity.

M.Sc (Mathematics)

Vision

- To enhance the logical and analytical skills in solving problems.
- To incorporate research culture among the students.

Mission:

To organize, connect, create and communicate Mathematical concepts effectively through 4D's – Dedication, Determination, Discipline and Direction.

Program Educational Objectives (PEOs)

The graduates will

PEO1	have the ability to pursue interdepartmental research in Universities in India and abroad.
PEO2	Demonstrate basic manipulative skills in algebra, geometry, trigonometry, and beginning calculus
PEO3	have the caliber to work in foreign Universities.
PEO4	shine in higher level of administration like IAS, IPS officers in Nationalized Banks, LIC, and etc.,
PEO5	run renowned educational institutions to serve the society.

Program Outcomes (POs)

At the end of the M.Sc., (Mathematics) programme, the graduates will be able to

PO1	Identify, formulate, and analyze the complex problems using the principles of Mathematics.
PO2	Solve critical problems by applying the Mathematical tools and apply the underlying unifying structures of mathematics (i.e. sets, relations and functions, logical structure) and the relationships among them

PO3	Apply the Mathematical concepts, in all the fields of learning including higher research, and recognize the need and prepare for lifelong learning.
PO4	Able to crack competitive examinations, lectureship and fellowship exams approved by UGC like CSIR – NET and SET
PO5	Apply ethical principles and commit to professional ethics, responsibilities and norms in the society.
Program Specific Outcomes(PSOs)	
PSO1	Understand the basic concepts of advanced Mathematics.
PSO2	Bring exposure to a variety of areas of mathematics and related fields such as computer science, the natural sciences, business and economics
PSO3	provide experience in investigating the real-world problems and study to apply mathematical ideas and models to those problems.

M.Com.

Vision

To become a Centre of Academic Excellence with total commitment to Quality Education in Commerce with finance specialization

Mission

- To train finance professional and entrepreneurs with ethical values
- To strengthen the program in the area of research focusing on social relevance
- Providing holistic development of students
- Employability through Activity Based learning

Program Educational Objectives (PEOs)	
<i>The graduate will</i>	
PEO1	Become successful entrepreneurs and finance professionals in the field of Banking, Insurance, Manufacturing industries and IT sectors.
PEO2	Integrates cognitive and analytical skills to manage financial aspects
PEO3	Sensitizing Professional ethics and societal needs with their holistic development
PEO4	Make a foundation to pursue career in teaching and for advance studies

Program Outcomes (POs)	
<i>At the end of the B.Com Program, graduates will be able to</i>	
PO1	Apply relevant financial tools in Manufacturing and Service operations.
PO2	Apply research techniques for decision making
PO3	Ability to use accounting software
PO4	Acquire Technical and decision making skills (in the area of Accounting, Taxation, Portfolio analysis and E Commerce
PO5	Develop creativity in the area of Marketing
Program Specific Outcomes (PSOs)	
PSO1	Application of financial tools in Projects and in real time Business helps in Decision making
PSO2	Using statistical tools in Behavioral research for business decision making
PSO3	Adapt to recent changes in Marketing, Human Resource, Taxation, Environment and in investment of securities
PSO4	Analyze and evaluate the operation of the business related issues.

Master of Social Work (MSW)

Vision

To envision “A Better Society worth to live through Individual and Social Change”

Mission

- To create and disseminate knowledge about individual, community, and organizational concerns, social issues, social policies and practice interventions, within a tradition of multi-disciplinary and multi-professional research.
- To transmit, develop, examine critically and apply knowledge to advance social work practice and social welfare policies in order to promote social, cultural and economic justice for the betterment of poor, vulnerable, and oppressed individuals, families, groups, communities, organizations, and society.

- Transcending traditional administrative knowledge by drawing in government efforts, non-profits, and entrepreneurial ventures

Program Educational Objectives (PEOs)	
<i>The graduate will</i>	
PEO1	Acquire Professional Skills: To make them competent professional with their required skills to provide professional services, integrating interdisciplinary knowledge and Social Work values with practices to address social needs.
PEO2	Ethics and Social Responsibilities: Develop a professional identity as a social worker by applying professional values and ethics to social work practice. Understand the responsibility of conducting or transferring one's knowledge, skills and expertise to community (Community can incorporate local, municipal, national and international scope).
PEO3	Skill and Leadership Social Entrepreneur Programme Outcomes: To attain Professional Knowledge and practice to work in different fields of Social Work and also become Social Entrepreneur establishing their own concerns
Program Outcomes (POs)	
<i>At the end of the B.Com Program, graduates will be able to</i>	
PO1	Understand of Social Work: Make the student understand social work as a profession and to recognize the need and importance of social work education training and practice.
PO2	Develop Professional Skills and Team Work: Enhancing necessary skills such as assessment skills, communication skills, qualities of leadership, problem solving skills, critical thinking skills, respect for diversity, intervention skills, documentation skills, organizational skills, understanding of human relationships.
PO3	Problem Analysis and Development of Solution: Attitudes and values necessary for working with people and organization for, enhancing people's capacity for social functioning, improving the quality of life for

	everyone, promoting social justice, providing opportunities for people to develop their capacities to become participative citizens.
PO4	Research and Application: Provides leadership by conducting empirical research activities designed to shape more effective public/tribal family intervention practices and provide supporting data for policy changes that enhance national and family well-being as well



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