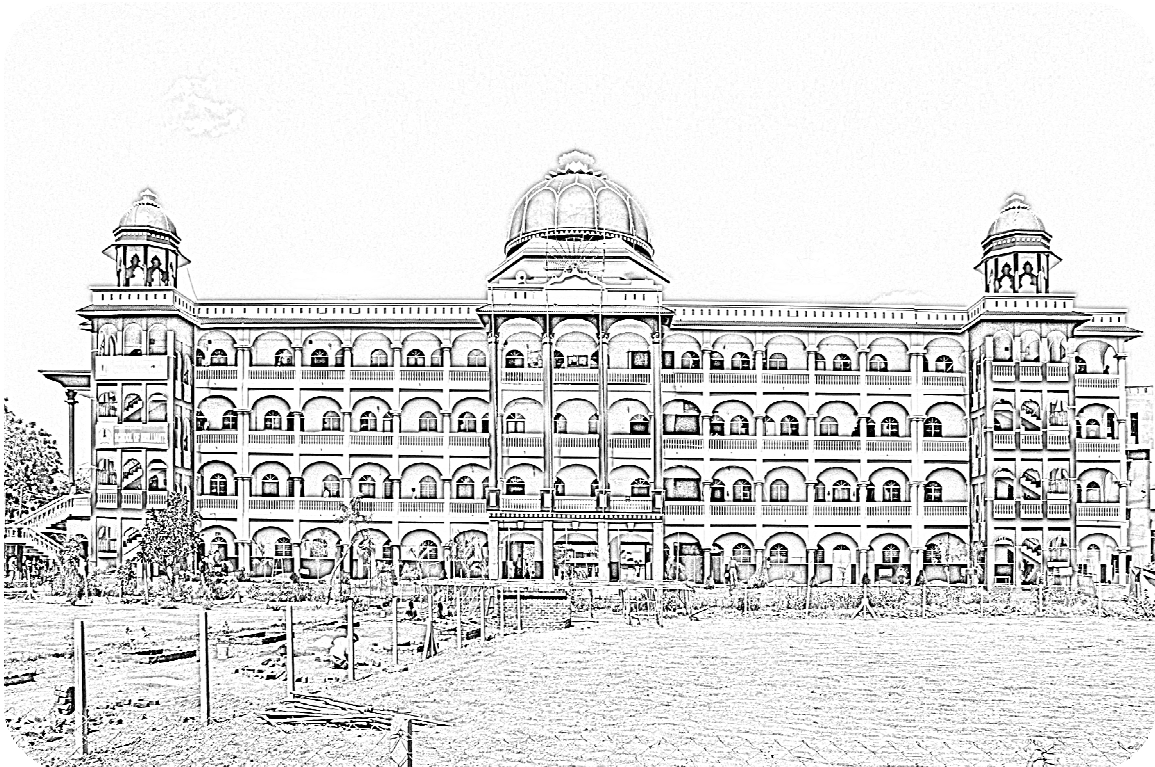


# **NEW ARTS COMMERCE AND SCIENCE COLLEGE, WARDHA (M.S)**



## **Perspective Plan 2018-2023**

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## Introduction

New Arts, Commerce and Science College was established by Mahila Vikas Sanstha, Wardha in the year of 1996 to help urban and rural students around Wardha to perform higher studies. The college UG, PG courses in Arts, Commerce & Science faculties. The college has dedicated and qualified faculty. There is a good support from the Management. The college has grown with adequate infrastructural facilities and academic programmes, yet there is always a need to develop, initiate and to match current and future Academic Programmes with the eye on future. Development is a continuous process and has to be reviewed periodically, analyzed and reprogrammed with future perspectives. The perspective plan is prepared keeping in mind the growth, requirements and employability of the learners.

Following over a year of preparatory work including suggestions from Mahila Vikas Sanstha, Wardha and discussions with many constituent groups such as students and faculty as well as a SWOC analysis conducted by every unit of the College and identification of our management, the New Arts, Commerce and Science College is poised to launch this Strategic Plan aimed at growth and development for the following five years i.e. 2018-2023. The plan was designed by IQAC in Jan 2019 and placed before Committee (CDC) of the college on 31 May 2019. After deliberations the plan was submitted to management.

This perspective plan document begins with a statement of Executive Summary, outlining prospect of future development of the institution that will be addressed through the perspective plan's actions. Next come the **Perspective Plan for 2018-2023** identified through a year-long discussion with stakeholders; the Envisioned Future, looking ahead to 2020; and, finally, the Goals and Strategies the College community has determined will lead us to that future.



## **About the College:**

Over the last three decades Dr R.G Bhoyar's Group of Institutions has set an exalted example in the field of education, reaching beyond borders of knowledge. New Arts, Commerce and Science College, Wardha is one among many in this group. Founded by Dr Rajesh Bhoyar, an eminent intellect and philanthropist, in the year 1990, New Arts, Commerce and Science College has inspired students across India. He has established this College at Wardha making the ideals of Mahatma Gandhi as holistic foundation to it. Here the system of teaching is more of learners' oriented. A practical approach to the methods of teaching is being followed to prepare the students, face the challenges of life boldly.

This group strongly believes in imparting and propagating knowledge & live skills in core and frontier areas of all major fields of Science, Arts, Commerce and Management through innovative educational programs. The students are developed into a new group of professionals with an exceptional competence and a deep sense of values for life and commitment towards their responsibilities both for profession and nation as well. Here the students are not just taught but mentored, they are not just forced after the academics but guided to achieve success.

The major asset of NACSC is its staff members who are well qualified and hardworking. They are well committed in discharging their responsibilities. The faculty members are not just teachers but they are mentors. They guide their students in every possible aspect of their academics and help them to move on successfully.

Being a visionary scholar the Chairman Dr.R.G Bhoyar believed that educational institutions are the epicentres of knowledge. They should transform the unpolished and uncut stones into sparkling gems. He initiated variant number of educational programs like, Diploma, Bachelors and Master Levels in Humanities, Commerce, Science, Biotechnology, Computer Science/IT, Management, Social Work, Pharmacy and Vocational Education at NACSC.

With distinct uniqueness Dr.R.G Bhoyar Group of Institutions stands like an example among all educational Institutions in Vidarbha region.



## **Development Plan (2018-2023 )**

### **FACULTY DEVELOPMENT/ADDITION OF NEW COURSES**

#### **Faculty development:**

The College has been making proactive efforts to upgrade the knowledge and skills of faculty members by facilitating their participation in various programs mentioned below:

- Orientation Program; Refresher Program; Special
- Interdisciplinary programs; Special schools; Short term courses;
- Training programs; Special leave for pursuing higher qualification; Teacher Exchange program; Research Projects;
- Participation in Conferences, Seminars, workshops etc.
- These faculty development activities to strengthen higher
- Education is and shall be promoted during the plan period.
- IPR Motivational Programs and Activities

#### **Addition of new courses:**

To cater to the changing needs of the students and make them competent for the global challenges, the following new courses are proposed:

#### **(1) Degree Programs:**

- Activate M.Sc Chemistry, M.Sc Computer Science 2018-19
- Activate M.A Home Economics 2018-19
- Increasing Intake M.Sc Biotechnology, M.Com 2019-20.
- New PG Program M.Sc Physics, MSc Mathematics : 2020-21

#### **(2) Short Term Courses:**

- Retail Management (Commerce)- 2015-16
- “Personality Development and Communication Skills”-2015-16
- Soft Skills Development- (Commerce)- 2018-19
- “Tally” for BCA and BBA- 2020-21

- Programming in C for Computer Science Students -2020-21.

### **GROWTH OF STUDENTS FACULTYWISE/COURSEWISE**

- The intake capacity of the existing courses is fixed by the University. The enrolment for all the courses is up to the capacity each year.
- Growth of the students is expected with the introduction of the proposed degree programs.
- Growth of the students is expected with the introduction of the proposed Post Graduate degree programs.

### **SOCIAL RESPONSIBILITY PROGRAMMS:**

To create a sense of social responsibility among the students the following **community based programs** are proposed:

Organize students visits to school of remote areas and demonstrate practical Skills and deliver need based lectures.

- Organize workshops on Value education and Human rights.
- Organisation of guest speeches /workshop on environment awareness
- Formation of Food security awareness club for students, and general public.
- NSS camp visits and Scientific survey of adopted village every year.
- Study of Soils and cultivation practices of the villages every year
- Popularise Science in Society by Organising Science Exhibition.
- Reader club for Competitive Exam Students .
- Organise HB check-up, BMI, Health Index camps each year
- Training programs on Ms-office (word, Excel, power point) for Non- teaching / administrative staff / needy Students.
- To deliver lecture in NSS camp on social media awareness.
- Encourage students to actively participate in Disaster management campaigns as and when needed.



## **CAREER DEVELOPMENT AND PLACEMENT SERVICES:**

The following **Career Planning Map** shall be implemented from year 2015-16-  
To facilitate the placement of the graduates and postgraduates  
we plan to:

- Strengthen the Placement cell by appointing a placement officer
- Participate in job fairs and exhibition
- Organize campus events focused on placements
- Organize special workshop every year for guiding the students
- On career opportunities and entrepreneurship.
- Strengthen the competitive examination cell.
- Organise mock interviews and offer soft skill training courses to the needy students.
- Posting 'e placement brochure' on college website and other agencies.

## **STUDENTS PARENTS TEACHERS RELATION DEVELOPMENT**

To create a healthy relation with the parents the following

Annual activities are proposed:

- Mid semester faculty wise parents meet
- Special parents meet for the newly introduced courses
- Development of formal feedback mechanism from the parents
- SMS service to inform the students' progress.
- Invite parents on celebrations of special events
- Felicitation of parents of the rank holder/ meritorious students

## **EVALUATION OF TEACHERS BY STUDENTS**

Evaluation in higher education can take place at various levels: at the level of the individual lecturer, the course unit, the course module, the semester, year of study, the subject, the entire Programme (e.g. the B.A., the B.Sc, B.Com.), the academic department, the faculty or even at the level of the institution. The feedback developed by the college is-



## **Tangible and Transparent**

**Actionable**

**User-Friendly**

**Timely**

**Ongoing**

At present the feedback committee of the college actively collects the feedback from all the students. Online feedbacks are obtained and analysed.

### **Future Plan:**

- To obtain such formal feedback from all the stakeholders.
- Provide a link on the website so that students give their feedback as per their convenience.
- A mechanism specially for obtaining feedbacks from employers shall be developed.
- Feedback mechanism on facilities will be developed.

## **LEADERSHIP AND ALUMNI ACTIVITIES DEVELOPMENT PROGRAMMS**

Keeping in mind the requirements to inculcate leadership qualities among the students, the college shall focus on the following areas annually:

**Empower:** Organization of special lectures/ workshops to address issues like personality development, soft skill, conversation skills etc.

**Encourage:** Organization of various events and class programs to build confidence amongst students.

**Values:** Organization of various days and celebration of events of national importance. Competitions shall be conducted on topics of core values.

**Vision:** Through special lectures by eminent personalities and high profile officials' efforts will be taken to help create a vision by all students.

- Biographies of successful personalities shall be procured in the library.
- Success stories of the alumni shall be shared through guest talks and special programs.
- Organization of workshops conducted by the alumni.



- A separate perspective plan shall be made for the alumni activities in 2018-19.

### **ACCREDITATION/REACCREDITATION (CYCLE 3)**

#### **Preparing for accreditation cycle 3.**

The IQAC has started with preparing the AQAR for 2018-19 and shall be sent to NAAC Bangalore in the month of August 2023.

Requirements to improve the grade as pointed out by the Peer team include:

- Provision of Hostel facility
- Increase in number of computers with latest configurations.
- Need of a new building/ space for the newly introduced courses.
- Renovation of Labs.
- Strengthening of facilities for students like Canteen, Gymnasium, etc.
- Formalization of on campus facilities.

### **QUALITATIVE AND QUANTITATIVE STRENGTHENING OF EXISTING PROGRAMS**

Following is the Annual plan to enhance the quality of the existing programs:

- Increase in student centered learning methods like projects, computer assisted learning, assignments and hands on training in Science/Commerce subjects in collaboration with nearby industry.
- Organize science exhibition/ Poster competition/ essay writing.
- Organize seminars and workshops for students.
- Use of software in practical of subjects like Statistics, Tally, Excel, etc .
- Celebrations of educational days.
- Better showcase and promote the significant accomplishments and recognition of our students and programs.
- Field visits and tours.
- Remedial Coaching.
- Add-on courses
- Short term courses
- Assignments/Tutorials



## **RESEARCH, CONSULTANCY AND EXTENSION**

The backbone of education is **RESEARCH, CONSULTANCY AND EXTENSION:**

In order to strengthen **Research culture** following activities are proposed:

### **Research culture:**

- To organize research competitions annually.
- To carry out projects with students.
- Involve students in scientific surveys by MSW Students
- To apply for major / minor research projects
- Promote student and staff participation in conferences/seminars etc.
- Organization of conferences/seminars etc.
- Research paper publication at least one per year per department.
- Organize training workshops for teachers.
- Establish new research centres and strengthen the existing ones.
- Develop linkage with reputed industries and institutions.
- Emphasize on collaborative research.
- Undertake research to benefit society.
- Increase the number of patents.

### **Proposal for consultancy:**

- Display the consultancy activities of the departments on college website.
- Formalize consultancy.
- A special counseling cell for teenagers and youth.
- Weather forecasting station/unit.
- Consultancy in food safety
- Consumer analysis of food products.
- Consultancy in public health.
- Conducting English Communication Modules for the staff members of the respective industries.
- Data Analysis Cell.

- Soil Analysis centre.
- Biodiversity
- Medicinal Plants.

**Extension activities proposed:**

- Deliver lectures to high school students for better understanding of Science subjects.
- To carry out energy survey of the different villages and guide them accordingly.
- To organize lectures on energy saving in nearby areas and schools.
- Scientific surveys through NSS and student welfare.
- Special Activities on nation building themes in rural and nearby areas.
- Conduct value education workshops.

**AUGMENTATION OF ACADEMIC INFRASTRUCTURE AND EQUIPEMENTS**

In light of the proposed courses/activities the following infrastructural amenities are required:

**Laboratories-**

- Modernization of Laboratories as per industry and research requirement
- One central Computer Laboratory/facility
- Increase of space for Physics and Biotechnology.
- New lab for Computer science
- Renovation and addition in furniture to the existing and newly proposed labs.

**Classrooms:**

- One high-tech classroom to facilitate ICT enabled teaching.
- Classrooms for M. Sc. I and II with white board which will be helpful in delivering ICT lectures.

**Equipment:**

- Phase wise augmentation of research equipments
  - i) Double Beam UV – Visible Spectrophotometer
  - ii) Laminar Air flow
  - iii) PCR
  - iv) Research microscope (Stereozoom: Inverted and Phase contrast with microphotography.)

- v) computers – 1 physics; 20-commerce; 1- Biotechnology, 1-MSW,1-Chemistry
- vi) CRO, power supply
- vii) LCD projectors- 05
  
- viii) Printer- Laser 06
- ix) Antivirus software- 20 users.
- x) Inverter 06 unit (106 comp backup)
- xi) Increase the speed of lease line up to 100 mbps

### **EFFECTIVE AND EXTENSIVE USE OF ICT IN TEACHING AND LEARNING SYSTEM:**

- To strengthen LMS
- Upload Power point presentations on various topics on website.
- Solving mathematical problems using freeware softwares TORA and Scilab.
- To develop simulation and animation packages in Physics
- R-SOFTWARE AND MS-EXCEL are used in teaching and learning system in statistics and shall be continued.
- Use of Chemistry Softwares – Chemwin, Chem Draw, NMR Tutor, IR Tutor.
- Use of PPT for Library Literacy Programme.
- Formation of NDLI Club
- E-Books, E-journals are to be made available for students.

### **EFFECTIVE AND EFFICIENT USE OF COMPUTER APPLICATIONS IN ADMISSION, ADMINISTRATION, EXAMINATION AND ACCOUNTING PROCESSES**

In Admission, Administration, Examination and Accounting Processes software modules of ETH are effectively used and shall be upgraded as need arise.

### **PLAN FOR SEEKING MORE & MORE FINANCIAL AID UNDER UGC/BCUD, PROGRAMS**

#### **Proposed plans:**



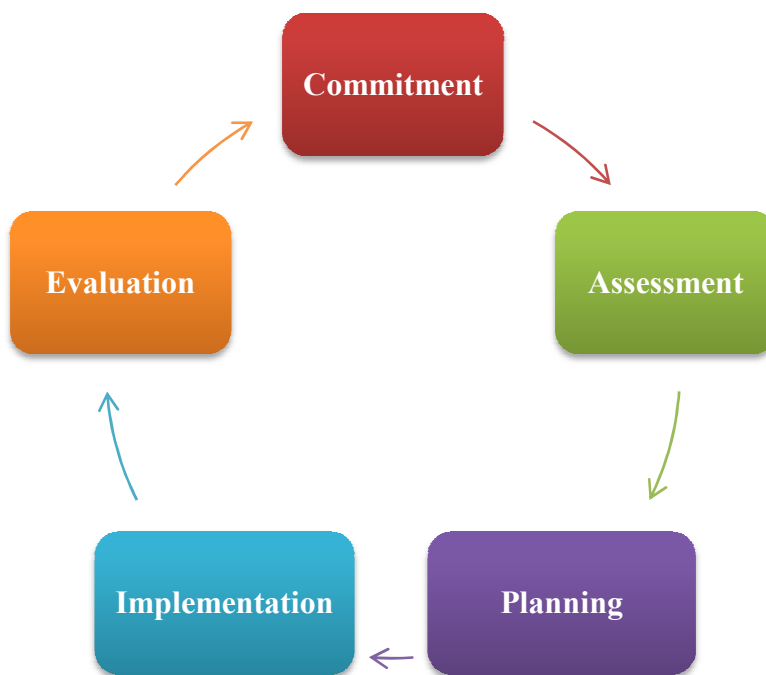
- Apply for research funding from various agencies like UGC, BCUD, DBT, DST, ICSSR etc.
- To apply for DBT star college scheme.
- Regular teachers from each department shall propose at least one major and one minor course during the plan period.
- College shall voluntarily apply for all financial aid schemes of state and central government as per the guidelines.

### **PRIORITY RECOMMONADATION**

- Infrastructural modifications and augmentation
- Procurement of equipments
- Procurement of computers and peripherals
- Develop rich resources to support fieldwork, internships, and international and other opportunities for extramural engagement that will enrich the graduate experience.

### **Strategic Planning**

The following schedule shall be practiced to fulfill the development of the plan.



- **Commitment:** We at NACSC are committed to fulfill all the activities mentioned herein for the development of the college and stand firmly in the academic competition.
- **Assessment:** Each step towards the fulfillment of the plan shall be assessed by internal as well as external peers, the recommendations/suggestions shall be incorporated to bring success to the institution.
- **Planning:** A detail plan of each step to be taken towards excellence shall be made. A committee of each new course/ activity shall be formed and each plan shall be discussed with the IQAC.
- **Implementation:** Strategic implementation of each activity shall be done considering the feedback /response from the various stakeholders. Timely implementation will be done. A college development Monitoring committee shall be constituted to keenly observe the implementation of each activity.
- **Evaluation:** A six monthly evaluation report of each activity will be elaborately prepared. This step will give a clear feedback about the activity and would even suggest modification if required.

#### **ICT based teaching:**

- College has virtual classroom
- College has sufficient number of computers and LCD projectors.
- Teachers have developed and prepared ICT teaching material in the college. which is being used in the classroom teaching.
- Interactive teaching learning strategy is adopted by the faculty members.
- Physics department has developed simulation based on fundamental concept of physics.

## List of Major Equipments



Mahila Vikas Sanshodh's

### New Arts, Commerce & Science College, Wardha

(Approved by Govt. of Maharashtra & Affiliated to Rashtrasant Tukdoji Maharaj, Nagpur University, Nagpur)  
(Recognized by U.G.C., under section 2 (f) & 12 (b) as per act of 1956)

Date : 27.02.2020

Sr. No	Instrument	Make
1	Cooling Centrifuge	REMI
2	Micro Centrifuge	Eppendorf
3	Digital Balance	SYSTRONIC
4	Electronic Balance	Equiptronics
5	Quick Freezer	Remi
6	BOD Incubator	Remi
7	VU Visible spectrophotometer	BioEra
8	Distillation Unit	BioEra
9	PCR	Eppendorf
10	Orbital Shaker	Remi
11	Transilluminator	BioEra
12	Autoclave	Syngene
13	Soux Let Extractor	Borosil
14	Microwave Oven	Bajaj
15	Portable Cooler	BioEra
16	pH Meter	Equiptronics
17	Hot Air Oven	SS Biotech
18	Magnetic Stirrer	Remi
19	Vertical and Horizontal Gel Electrophoresis Apparatus	BioEra
20	Horizontal Laminar Air Flow	Kirloskar



**Principal,**  
New Arts, Commerce & Science  
College, WARDHA

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**Financial Aids for students**

Year	Name of the scheme	Number of students benefited by government scheme and amount	
		Number of students	Amount
2020-2021	Government of India Post-Matric Scholarship	414	4905744
2020-2021	Post-Matric Tuition Fee and Examination Fee (Freeship)	16	271617
2020-2021	Rajarshi Chhatrapati Shahu Maharaj Shikshan Shulkh Shishyavrutti Scheme	45	312287
2020-2021	State Government Open Merit Scholarship	1	0
2020-2021	Post Matric Scholarship Scheme (Government Of India )	190	1990569
2020-2021	Tuition Fee & Exam Fee for Tribal Students ( Freeship)	11	131063
2020-2021	Post Matric Scholarship to OBC Students	1498	16989736
2020-2021	Tuition Fees and Examination Fees to OBC Students	75	682339
2020-2021	Post Matric Scholarship to SBC Students	80	727584
2020-2021	Tuition Fees and Examination Fees to SBC Students	3	27679
2020-2021	Post Matric Scholarship to VJNT Students	175	1773620
2020-2021	Tuition Fees and Examination Fees to VJNT Students	10	157408

Number of students benefited by the institution's schemes and amount	
Number of students	Amount
395	2271143





## Best Practices

- Student feedback mechanism.
- Self –appraisal by teachers
- Participation of the faculty in Teachers Training Programmes.
- Design and implementation of Add-on courses.
- Participation of the faculty in curriculum design and Syllabus Revision Workshops.
- Visits to educational institutes, laboratories, libraries and industrial units.
- Remedial teaching programme
- Organization of intercollegiate competitions based on the curricula.
- Pre-admission and faculty wise post-admission counselling
- Extension activities: N.S.S. and MSW
- Student welfare activities
- Newsletters Published by some of the Departments.
- Effective Welfare Schemes for Teaching and Non Teaching
- Effective Welfare Schemes for UG and PG Students

