



## Report of the Academic Audit Committee 2018-19



Kavayitri Bahinabai Chaudhari  
North Maharashtra University, Jalgaon

## **Report of the Academic Audit Committee**

### **Introduction:**

The University was established by the Government of Maharashtra in 1991 under provisions of the Maharashtra State Universities Act 1991. Its objective was to bridge the gap between knowledge and society, with emphasis on the subaltern modes of knowledge. It was also meant to connect the intellectual traditions to the contemporary society. Over the years the University has undergone internal transformation and has introduced various innovative programmes of study. The university's academic programmes are designed as multidisciplinary.

### **The University has the following Faculties:**

1. Faculty of Science and Technology.
2. Faculty of Commerce and Management.
3. Faculty of Arts and Humanities.
4. Faculty of Interdisciplinary Studies.

### **The Following Schools/Departments function under these faculties:**

1. School of Chemical Sciences.
2. School of Life Sciences.
3. School of Environmental and Earth Sciences.
4. School of Physical Sciences.
5. School of Computer Sciences.
6. School of Mathematical Sciences.
7. School of Language Studies and Research Centre
8. School of Management Studies.
9. School of Social Sciences.
10. University Institute of Chemical Technology.
11. School of Education
12. School of Thoughts.
13. School of Arts and Humanities.

The University has established one Study Chair viz. Pt. Dindayal Upadhaya Chair.

After re-accreditation by NAAC (3rd cycle) in 2015, the University, as part of its preparation for re-accreditation by NAAC for 4<sup>th</sup> Cycle, has constituted the Academic Audit Committee as per Maharashtra Public Universities Act, 2016. The committee, in five teams, visited the Schools and departments on 30<sup>th</sup> and 31<sup>st</sup> January 2020 and seen the facilities and interacted with the teaching faculty, employees and students. Before visiting the schools and departments, the committee has discussions with the Vice-Chancellor, Pro-Vice Chancellor, Dean, Faculty of Science and Technology and Director, IQAC. On the basis of its comprehensive scrutiny, the Academic Audit committee is pleased to submit the enclosed report.

The Committee is grateful to the Vice-Chancellor, Registrar, Director, IQAC, Coordinator, NAAC Steering Committee and all the teaching and non-teaching staff of the University for the cooperation they extended to the Committee. The committee's observations and recommendations are based on the information provided by the respective schools/institute for the academic year 2018-19 i.e. during the assessment period for NAAC Accreditation.

**Following members were present to conduct the academic audit:**

<b>Sr. No.</b>	<b>Name</b>	<b>Affiliation</b>	<b>Expert for evaluation of Schools</b>	<b>Academic Audit Committee</b>
1.	Prof. R.S. Mali	Ex Vice Chancellor, NMU, Jalgaon	--	Chairman
2.	Prof. Shankar Ramamurty	National Institute of Industrial Engg., Mumbai	School of Environment & Earth Sciences	Member
3.	Prof. T.V. Ramanathan	SPP University, Pune	School of Mathematical Sciences	Member
4.	Prof. Sadanand Bhosale	SPP University, Pune	School of Language Studies and Research Centre	Member
5.	Prof. T.A.Kadam	SRTM University, Nanded	School of Life Sciences	Member
6.	Prof. M.S. Shingare	BAM University, Aurangabad	School of Chemical Sciences	Member
7	Prof. B.S. Waghmare	JNU, New Delhi	School of Social Sciences	Member
6.	Prof. P.R.Sarode	Goa University, Goa	School of Physical Sciences	Member
7.	Prof. S.S.Bhagwat	Institute of Chemical Technology, Mumbai	Institute of Chemical Technology, Mumbai	Member
8.	Prof. D.Y. Chacharkar	SGB Amaravati Univ., Amaravati	School of Management Studies	Member
9.	Prof. Sadanad Bansole	SPP University, Pune	School of Arts & Humanities	Member
10.	Prof. M.J. Joshi	Saurashtra University, Rajkot	School of Physical Sciences	Member
11.	Prof. Bharti Gavali	BAM University, Aurangabad	School of Computer Sciences	Member
12.	Prof. Ashok Rane	KCE Society's College of Education	School of Education	Member

### **Overall observations and suggestions:**

1. Kavayitri Bahinabai Chaudhari North Maharashtra University, formerly North Maharashtra University, Jalgaon was established in 1991 and subsequently granted 2(f) and 12 (B) status by the University Grants commission, New Delhi.
2. The university has consistently pursued its stated vision and mission of disseminating knowledge in the three districts namely Jalgaon, Dhule and Nandurbar, drawing on various disciplines, with clear focus on foregrounding knowledge since its inception.
3. The university has made progress on all fronts and received recognition at national and International level for its academic. research and extension activities.
4. The university is accredited by NAAC with A grade (CGPA 3.11) for 3<sup>rd</sup> Cycle in 2015 and is now preparing for 4<sup>th</sup> Cycle of Re-accreditation by NAAC this year.
5. It has set up a well-thought-out structure for co-ordination between Faculties and Schools for offering distinctive education of under-graduate, postgraduate and Ph. D. level with necessary provisions. It also offers useful Certificate and Diploma courses in the relevant areas.
6. The academic programmes are genuinely multi-disciplinary with courses offered, taught and designed by learned faculty members and industry experts across many disciplines.
7. The academic programmes follow the CBCS pattern at the under-graduate and post-graduate levels. The syllabi are frequently reviewed and revised in 3-5 years.
8. The University departments enjoy academic flexibility. Most of the departments have accomplished teachers with vast experience, impressive research publications and adequate specializations. However, there is need to fill up the existing teaching posts and to create more such posts on top priority.
9. The University provides financial support in the form of research projects to schools under VCRMS and Teachers Associateship Programme (TAP), Patent Promotion Scheme. The outcomes of the projects are presented in seminars and conferences which are organized periodically.

10. From 2015-16 to 2019-20 the University has signed 59 MoU's of which 39 are active. The faculty has received 152 Major projects amounting Rs. 32.42 crores and 89 Minor Project worth Rs.2.16 crores and have 244 National and 669 International Publications in peer reviewed Journals having high impact factor. Though the number of faculty is less, they have generated Rs. 112.38 lakhs through consultancy services and have published 9 patents of which 02 patents being granted.
11. The University has received Rs. 20.00 Crores from RUSA for infrastructural development and 14 crores for CADP Project from RGSTC, Mumbai for empowering tribal population from Nandurbar through Technology Education.
12. The Faculty has actively planned and participated in a large number of interactive projects, out-reach programmes and extension activities. University has established Capacity Building Centre under CABGIN Project sanctioned by European Commission.
13. The University has excellent student amenities such as hostels, health centre, browsing centres, and library which are functioning well. The food quality and cleanliness in Hostels is as per students' expectations. Intra-road transport system through Green Vehicle is available to students on the campus.
14. The departmental libraries are also strengthened in various schools. The principles of library maintenance are also properly followed. The acute need for many Journals is mitigated due to access through INFLIBNET services of UGC, New Delhi.
15. The University has adopted all the recommendations of Rajesh Agrawal Committee in Examination reforms and provide subsidised photocopying facility on the campus to students. In addition to this, the **Question Bank System** is developed for UG and PG programmes of the University and adopted '**Open Day**' session for the students to verify the assessment made by the concerned examiners.
16. Most of the teachers use ICT methods to support their interactive teaching methods.
17. The University has all kinds of indoor and outdoor sports facilities and also the recently operationalized swimming pool for national and international events.
18. University has established Pilot Project on Inclusive Education Centre for specially disabled persons at free of cost under RUSA Scheme.
19. University is recently granted Bahinabai Study and Research Centre by Govt. of Maharashtra to promulgate tradition culture among the students and has also received letter of Intent for establishing fully functional Incubation Centre to initiate Entrepreneurship among students in the region.

20. Proper mechanism should be developed for identifying slow and advanced learners.
21. Remedial classes be conducted for slow learners and advanced learners be provided with advanced material.
22. Bridge courses be conducted wherever necessary.
23. Mentoring system should be properly developed.
24. Achievements of individual department should be clearly prescribed even in school structure.
25. ICT methods used by teachers should be presented clearly.

## **SWOC Analysis**

### **1. Strengths:**

- i. Multi-disciplinary academic and research programmes.
- ii. Talented and creatively oriented devoted and experienced teaching faculty.
- iii. Academic autonomy to schools/departments on the campus.
- iv. Impressive publications of books and research papers in reputed journals.
- v. Location in serene, unpolluted campus.
- vi. Large number of outreach and extension activities.
- vii. Use of Technology in academic and administrative functioning.
- viii. Excellent infrastructure facilities.
- ix. Excellent generation of funds through RUSA, RGSTC and consultancy.

### **2. Weaknesses:**

- i. Less number of permanent faculty in many schools/ departments.
- ii. Multi-tasking for many senior teaching faculty members.
- iii. Difficulties in filling up of teaching posts.
- iv. Difficulties in generating funds from UGC.
- v. Less number of sanctioned posts of teachers.
- vi. Less opportunities for students placements due to lack of industries in local area.
- vii. Less opportunities for internship for students.

### **3. Opportunities**

- i. Faculty can explore avenues to obtain funding for research from funding agencies.
- ii. Proper use of biodiversity available in Nandurbar district.
- iii. Encouraging students for sports activities.
- iv. Motivating students for participating in social outreach programme.
- v. Introducing newer programmes considering the local needs.
- vi. Exhibiting the skills of tribal communities.
- vii. Strengthening of Lab-to-Lan project.

### **4. Challenges:**

- i. Improving the attendance of students.
- ii. Providing job opportunities to students.

### **School wise observations:**

#### **1. School of Computer Sciences:**

##### **1.0 Department of Computer Science:**

##### **General comments on overall performance of the Department:**

- i. Well maintained department with filled faculty position.
- ii. Regularly update the curriculum with Audit Course.
- iii. Faculty support in the form of Computer Centre to the University.
- iv. Need improvement in incorporation of Innovative Practices in Teaching-Learning process.
- v. Alumni Cell need to be established.
- vi. Active departmental Placement Cell need to be established.
- vii. Outcome based collaboration and linkages needs to be projected.

##### **Comments on presentation:**

- i. Presentation of information may be in line with VII criterion of NAAC.
- ii. SWOC analysis need to be incorporated.
- iii. Pictorial and graphical representation of information needs improvement.
- iv. Future plans need to be incorporated.
- v. Research profile needs proper projection.
- vi. Lack of clarity in department-wise information.

**Commendations:**

- i. Demand ratio of student is good.
- ii. Passing percentage is good.
- iii. Recognition under UGC-SAP DRS-II Phase (2018-2023).
- iv. Few faculty members with good national and international exposure.
- v. Actively involved in organizing Workshops, FDP and Certificate Courses.
- vi. Good Infrastructure facilities.

**Recommendations:**

- i. Intake of Ph.D. students need to be increased.
- ii. Encouragement of the students towards SET/NET.
- iii. Faculty members need motivation for good publications.
- iv. Scope for improving consultancy services.
- v. Department library need to be improved.

**2.0 Department of Information Technology:**

**General comments on overall performance of the Department:**

- i. Less demand ratio for the course.
- ii. Execution of Industrial Training in curriculum.

**Comments on presentation:**

- i. Presentation of information may be in line with VII criterion of NAAC.
- ii. SWOC analysis need to be incorporated.
- iii. Pictorial and graphical representation of information needs improvement.
- iv. Future plans need to be incorporated.
- v. Research profile needs proper projection.
- vi. Lack of clarity in department-wise information.

**Commendations:**

- i. Use of ICT and Google Classroom for Innovative Searching.
- ii. Department is with good faculty strength.

**Recommendations:**

- i. Eligibility for admission needs improvement.
- ii. Active Placement Cell should be established.
- iii. Sharing of student/department faculty with IT Industries for placement and Industrial collaboration.



- iv. Faculty needs motivation for taking socially relevant IT enabled projects.
- v. Value addition courses needs to be incorporated.
- vi. Department library needs improvement.

### **3.0 Department of Computer Applications:**

#### **General comments on overall performance of the Department:**

- i. Centralized admission process through DTE.
- ii. Placement is good for MCA students.
- iii. Good infrastructure facility.

#### **Comments on presentation:**

- i. Presentation of information may be in line with VII criterion of NAAC.
- ii. SWOC analysis need to be incorporated.
- iii. Pictorial and graphical representation of information needs improvement.
- iv. Future plans need to be incorporated.
- v. Research profile needs proper projection.
- vi. Lack of clarity in department-wise information.

#### **Commendations:**

- i. Good student-admission demand ratio.
- ii. Passing percentage is good.
- iii. Recognition under UGC-SAP DRS-II Phase (2018-2023).
- iv. Few faculty members with good national and international exposure.
- v. Actively involved in organizing Workshops, FDP and Certificate Courses.
- vi. Good Infrastructure facilities.

#### **Recommendations:**

- i. Intake of Ph.D. students need to be increased.
- ii. Encouragement of the students towards SET/NET.
- iii. Faculty members need motivation for good publications.
- iv. Scope for improving consultancy services.
- v. Department library needs to be improved.

## 2. School of Life Sciences:

### General comments on overall performance of the School:

- i. Good numbers of research papers.
- ii. High amount of funding through National Funding Agencies.
- iii. Sophisticated Instrumentation Facility.
- iv. Good number of student response for PG admission.
- v. School library maintained neatly.
- vi. Society need based activity undertaken.

### Recommendations:

- i. Good and picturesque orientated presentation needed.
- ii. For NET/SET classes documentary evidences required.
- iii. Appreciation Certificate should be awarded for best teaching as per the feedback of the students.
- iv. Write-up of instrument should be done regularly.
- v. More than 25% theory papers, practical papers and the dissertation to be reevaluated by the External Examiners.
- vi. Bio-metric attendance to be initiated for the P.G/Ph.D. students.
- vii. SWOC Analysis should be done in consultation with all faculty members.
- viii. Mentor-Mentee Scheme need to be effectively implemented.
- ix. Data of Post-doctoral students be included in the PPT.
- x. Lack of clarity department-wise information.

## 3. School of Chemical Sciences:

### General comments on overall performance of the School:

- i. Basic infrastructure for six courses is adequate.
- ii. Demand ratio for the courses is very good.
- iii. Industrial placement is good.
- iv. Good number of externally funded projects.
- v. Good number of research publications.

### Recommendations:

- i. The data of five years only to be given in the PPT.
- ii. The focus of syllabus to be done in line with JRF/NET/GATE.
- iii. The documentary evidence for SET/NET Coaching be made available.
- iv. Feedback of students to be compiled and presented.

- v. Record of alumni need to be track w.r.t. higher studies (i.e. Ph.D. or Post-doctoral or Industry Placement).
- vi. Details of MOU to be compiled properly.
- vii. Results of PG students be declared within 15 days.
- viii. Theory, practicals and project/dissertation be assessed by the External Examiners (at least 25%).
- ix. Alumni activity should be properly recorded, and efforts be made in the development of school.
- x. Lack of clarity in department-wise information.

#### **4. School of Environmental and Earth Sciences:**

##### **General comments on overall performance of the School:**

- i. Good amount of funding through national agencies.
- ii. Basic infrastructure for the existing courses is adequate.
- iii. Excellent Instruments for research and consultancy are available.
- iv. Mineral, Rocks samples in Geology are excellent.
- v. Departmental library is very good.

##### **Recommendations:**

- i. Information of last five years to be included.
- ii. Efforts to be made to improve the demand ratio for the existing courses.
- iii. Extra efforts to be made for coaching of SET/NET/GATE.
- iv. Presentation should be improved w.r.t. NAAC criteria in consultation with all faculty members.
- v. SWOC analysis should be done with the true sense.
- vi. More than 25% theory, practicals and dissertation to be evaluated by the External Examiners.
- vii. Faculty and students of the school should take active part in the environmental issues.
- viii. Lack of clarity in department-wise information.

#### **5. School of Languages Studies and Research Centre:**

##### **General comments on overall performance of the School:**

- i. Infrastructure of the school is good with well-equipped academic facilities such as Departmental Library and Language Laboratory.
- ii. School has started skill-based Certificate Programmes such as translation studies and creative writings.

- iii. Book publications and research publications are good in number.
- iv. The faculty have undertaken various research projects funded by UGC and ICSSR.

**Recommendations:**

- i. In order to attract students for PG Programmes, the school can adopt various strategies, such as skill-based curriculum, add on courses, project-based learning etc.
- ii. The school should identify the thrust areas for research.
- iii. As of today, the single permanent faculty (for each subject) is looking after the departments. The University should take initiative to provide more regular faculty so as to match student-teacher ratio.
- iv. Vending machine needs to be installed in lady's washroom.
- v. Lack of clarity in department-wise information.

**6. School of Management Studies:**

**General comments on overall performance of the School:**

- i. Well qualified and experienced faculties.
- ii. School faculties are having good number of research projects funded by various funding agencies.
- iii. Innovative teaching pedagogy is used.
- iv. Good number of research papers have been published by the faculties but efforts should be taken to publish the papers in UGC listed journals.

**Recommendations:**

- i. The school should identify the thrust areas of research.
- ii. Purified Drinking Water facility should be provided to the students.
- iii. The school should have buildings as per the norms of AICTE. The building plan is approved and needs to be channelized at the earliest.
- iv. While framing the curriculum, more care needs to be taken to balance the theoretical and practical components.
- v. Various programmes such as conducting remedial classes, NET/SET guidance and placement camps involving reputed companies need to be conducted.
- vi. Ladies Common Room needs to be well equipped (bed, dressing table, chairs etc) and the vending machines needs to be installed in lady's washroom.
- vii. Transport facility towards the University should be strengthened.

## **7. School of Mathematical Sciences:**

### **General comments on overall performance of the School:**

- i. Undergraduate Programme in Actuarial Science is value addition to the existing curriculum.
- ii. Regular revision of curriculum.
- iii. Research outcome is appreciable but need to be improved.
- iv. Research promotion activity amongst students and faculty is desired.
- v. Result of M.SC. Mathematics is 50% and needs to be improved.

### **Recommendations:**

- i. The presentation should be in line with VII criteria of NAAC.
- ii. Lacking SWOC Analysis.
- iii. Needs Inclusion of future plans.
- iv. Pictorial and graphical representation needs improvement.
- v. The data presented should be in precise manner.

### **Commendations:**

- i. Enough infrastructural facilities.
- ii. Well maintained department.

### **Recommendations:**

- i. CAS promotion of the faculty members need to be encouraged.
- ii. Utilization of software facilities need to be improved and incorporated in teaching-learning process.
- iii. Proper mechanism to be developed to collect feedback from students, its analysis and use for further improvement.
- iv. School/department should have separate Placement and Alumni Cell.
- v. Lack of clarity in department-wise information.

## **8. University Institute of Chemical Technology:**

### **General comments on overall performance of the Department:**

- i. UG admission numbers are good.
- ii. UG admission ranks are dropping.
- iii. PG admission are weak.
- iv. International and National collaborations are less in number.
- v. Publications and patents are slowed.
- vi. Knowledge up-gradation of faculty members is inadequate.

**Comments on presentation:**

- i. Placement details should be shown clearly.
- ii. Best practices should be highlighted.
- iii. Individual research H-index to be shown.
- iv. Include citations, Impact factor etc in PPT.

**Commendations:**

- i. Good analytical facilities which are in use.
- ii. Student's feedback is taken.
- iii. Average age of faculty member is low.
- iv. UG admission are on the basis of competitive examination.
- v. Good fund generation for infrastructure.
- vi. Publication profile is limited to very few faculty members.

**Recommendations:**

- i. Faculty member should focus more on industry interactions.
- ii. Exposure of faculty members to actual industry operations.
- iii. Publications to be in international (peer reviewed) journals of (UGC listed, SCI abstracted) high repute and long standing.
- iv. Faculty members with varied background should be recruited (Nationally reputed institutes).
- v. Faculty strength should be increased.
- vi. Increase usage of high-end facilities by students and faculty for research.
- vii. Participation in conferences especially outside the State.
- viii. Analysis of examination results should be more detailed.
- ix. Brand building activities to be undertaken.
- x. Revenue from industrial activity to be directed to department benefit to develop the departments in multiple directions.
- xi. M. Tech. project work inside institute to be encouraged.
- xii. Younger faculty members should be encouraged to publish more research papers.
- xiii. Examination audit and if possible partial paper-setting from external examiners from outside experts be done.

## **9. School of Physical Sciences:**

### **1.0 Department Physics**

#### **General comments on overall performance of the Department.**

- i. The department has good infrastructure and research facilities.
- ii. Academic ambience is good.
- iii. The quality of publications is good, though the numbers are small.
- iv. Periodic evaluation of students is done regularly.
- v. Equipment and research laboratories are well maintained.

#### **Comments on presentation:**

- i. Information to be correlated properly and presented precisely.
- ii. More participative learning to enhance chances for innovative and IPR type results.
- iii. Nothing is present on teacher evaluation by students.
- iv. Presentation was given together for three departments of the school.

#### **Commendations:**

- i. Extension activities are well integrated into the teaching-learning environment.
- ii. Excellent infrastructure facilities.
- iii. Department has good number of research projects and generated good amount of funds for research.
- iv. All faculties are well qualified.
- v. Good interaction between students and teachers.
- vi. Summer School Projects for tribal area students.
- vii. Syllabi are regularly updated.
- viii. Good Gas Sensing and Humidity Sensing facilities.

#### **Recommendations:**

- i. During the audit period the research papers in peered review journals/Scopus index journals are less and need to improve.
- ii. Faculty crunch as well as shortage of technical staff.
- iii. Admission to the programme should be based on entrance test.
- iv. Less number of faculty has attended/presented/given talk in symposia and conferences.
- v. Innovative multi-institutional collaborative research projects to be encouraged.

- vi. Training of non-teaching staff is needed to maintain costly equipment.
- vii. Percentage of passing for M.Sc. Materials Science programme needed to be increased.
- viii. Fellowships like Rajiv Gandhi National Fellowship, Maullana Azad National Fellowship, Single Girl Child Fellowships given by national level agencies should be projected well in different programmes.
- ix. To attract foreign students special web portal has to be designed.
- x. In research activities close institute/department and industry participation should be encouraged in terms of industry funded research projects.
- xi. Research activities are needed to be focused on the bases of “Start-up” projects and “Make in India” theme for the benefit of the locals.
- xii. More students should be encouraged to qualify NET.
- xiii. The department may initiate steps to prepare alumni profile for various post-graduate courses as an additional instrument to indicate the success of the programme.
- xiv. The national visibility of the department can be improved by inviting well known researchers/academician as visiting/guest/adjunct professors.
- xv. Collaboration with sister departments/interdisciplinary courses.
- xvi. Periodic maintenance of laboratory equipment is to be ensured.

## **2.0 Department of Energy Studies:**

### **General comments on overall performance of the Department:**

- i. The department has good infrastructure and research facilities.
- ii. Academic ambience is good.
- iii. The quality of publications is good, though the numbers are small.
- iv. Periodic evaluation of students is done regularly.
- v. Equipment and research laboratories are well maintained.

### **Comments on presentation:**

- i. Information to be correlated properly and presented precisely.
- ii. More participative learning to enhance chances for innovative and IPR type results.
- iii. Nothing is present on teacher evaluation by students.
- iv. Presentation was given together for three departments of the school.



**Commendations:**

- i. Good infrastructure and research facilities.
- ii. Good Solar Cell and Photonics research activity.
- iii. Grid and solar interface lab and solar thermal equipment lab.
- iv. Good interaction between students and teachers.
- v. Energy Park and Cillage Project.
- vi. Popularizing clean energy in tribal region.

**Recommendations:**

- i. Student intake is to be increased.
- ii. More interaction with industries working in Solar and Wind Power Sectors.
- iii. Bio-gas, bio-fuel, fuel cell, wind energy research to be initiated.
- iv. Submission of projects to the Department of Non-Conventional Energy Sources.
- v. Evaluation of teachers by students is to be carried out.
- vi. Scope for technical consultancies and efforts should be made through national funding agencies.

**3.0 Department of Electronics:**

**General comments on overall performance of the Department:**

- i. The department has good infrastructure and research facilities.
- ii. Academic ambience is good.
- iii. The quality of publications is good, though the numbers are small.
- iv. Periodic evaluation of students is done regularly.
- v. Equipment and research laboratories are well maintained.

**Comments on presentation:**

- i. Information to be correlated properly and presented precisely.
- ii. Good chances to enhance for innovative and IPR type results.
- iii. Nothing is present on teacher evaluation by students.
- iv. Presentation was given together for three departments of the school.

**Commendations:**

- i. Good infrastructure and research facilities.
- ii. PLD developed indigenously and needed to be patented and projected under “Make in India”.

- iii. FE Microscopy is well maintained, good images of nano-structure recorded and published in high impact factor journals – Nature – Research Report.
- iv. Passing percentage of M.Sc. students is quite good.
- v. Student attendance is quite good.
- vi. Electric stick for farmer safety is developed locally by technical staff.
- vii. Research students have funds from national funding agencies.
- viii. Good Centralized Sophisticated Characterization facility.
- ix. Commendable efforts made to establish CMOS technology instruments and nano-sensors.
- x. Good international collaboration with Taiwan.

**Recommendations:**

- i. Intake for M.Sc. programme should be increased.
- ii. More electronic industry project participation should be encouraged.
- iii. International collaboration should be increased.
- iv. Should initiate for chair for Academic/Research in collaboration with industry.
- v. Industrial visit and study tours to national institutes are to be encouraged.

**10. School of Social Sciences:**

**Commendations:**

- i. Well-equipped classrooms are available.
- ii. Faculties have undertaken good number of research projects in school.

**Recommendations:**

- i. Vending machine should be installed in lady's washroom.
- ii. Re-audit of the school should be done by asking the school to present the data of the assessment period.
- iii. Non-availability of permanent teaching staff is hampering the academics of the departments in school.
- iv. Efforts should be made in the Department of Sociology, Department of Philosophy and Women's Studies to attract the students in the departments.
- v. Faculties should be promoted to make publication in the journal recognised by UGC-CARE list.

## **11. School of Arts and Humanities:**

### **Commendations:**

- i. School is having good infrastructure.
- ii. Only Department of Defence and Strategic Studies is doing well in terms of teaching-learning and research.

### **Recommendations:**

- i. Re-audit of the school should be done by asking the school to present the data of the assessment period.
- ii. Permanent teaching staff should be appointed, and number be increased.
- iii. School should ensure to make 100% admission as per the intake capacity.
- iv. Syllabus of the school should be project based and practical components needs to be added in the Department of Mass Communication and Journalism.
- v. Power backup facility should be made available in laboratories.
- vi. Placement data needs to be updated.
- vii. Alumni interactions should be conducted regularly.

## **12. School of Education:**

### **Commendations:**

- i. The school is having good infrastructure.
- ii. Good number of research projects are undertaken by the faculty.

### **Recommendations:**

- i. Re-audit of the school should be done by asking the school to present the data of the assessment period.
- ii. Faculties should be promoted for making publication in journals listed in UGC-CARE list.
- iii. Efforts should be made to make 100% admission in the department as of now 75% of seats are vacant.
- iv. Placement records needs to be maintained properly.

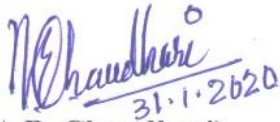
## **13. School of Thoughts:**

### **Commendations:**

- i. Conducting number of programmes so as to promote thoughts of Eminent Thinkers in terms of their social reforms for bringing out social change.

**Recommendations:**

- i. Efforts should be taken by the school to percolate the thoughts i.e. the society by conducting projects, organizing discussion platforms etc.
- ii. Efforts needs to be made by the Study Centre to fetch the funds from various funding agencies as well as from State and Central Government.



**(Dr. A.B. Chaudhari)**

Dean, Faculty of Science & Technology  
Co-ordinator, Academic Audit Committee



**(Prof. R.S. Mali)**

Former Vice Chancellor  
Chairman, Academic Audit Committee