

Shri. Shivaji Education Society, Amravati's
Science College, Nagpur

Internal Academic Audit 2018-19

(Information to be submitted by Head of the Department for Internal Academic Audit)

Department: ---Mathematics

Period of assessment: Session: 2018-19

--CRITERION I – CURRICULAR ASPECTS

1.1 Certificate/ Diploma Courses introduced during the Academic year

Name of the Certificate Course	Name of the Diploma Courses	Date of introduction and duration	focus on employability/ entrepreneurship	Skill development
NIL				

1.2. New programmes/courses introduced during the Academic year

Programme with Code	Date of Introduction	Course with Code	Date of Introduction
NIL			

1.3 Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Courses
No of Students		

1.4 Value-added courses imparting transferable and life skills offered during the year

Value added courses	Date of introduction	Number of students enrolled
NIL		

1.5 Field Projects / Internships under taken during the year

Project/Programme Title	No. of students enrolled for Field Projects / Internships
NIL	

CRITERION II -TEACHING-LEARNING AND EVALUATION

2.1. Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the subject (UG)	Number of students enrolled in the subject (PG)	Number of full time teachers available in the department teaching only UG courses	Number of full time teachers available in the department teaching only PG courses	Number of teachers teaching both UG and PG courses
2018-2019	637	36	02	02	08

2.2 No of teachers using ICT for effective teaching with Learning Management Systems

Number of teachers on roll	Number of teachers using ICT (<i>LMS, e-Resources</i>)	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used

(LMS), E-learning resources etc. (current year data)

Number of students enrolled in the Department	Number of fulltime teachers	Mentor: Mentee Ratio
32	02	

2.3 Students mentoring system available in the Department?

2.4. Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D

2.5 Honours and recognitions received by teachers (*received awards, recognition, fellowships at State, National, International level from Government, recognized bodies during the year*)

Year of award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies

2.6 Pass percentage of students

Programme Code	Programme name	Number of students appeared in the final year examination	Number of students passed in final semester/year examination	Pass Percentage
	UG(Sem-V)	171	144	84.21
	PG(Sem-III)	16	09	56.25

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1. Research funds sanctioned and received from various agencies, industry and other Organizations

Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the Academic year
Major projects	-	-	-	-
Minor Projects				
Interdisciplinary Projects				
Industry sponsored Projects				
Projects sponsored by the University/ College				
Students Research Projects <i>(other than compulsory by the College)</i>				
International Projects				
Any other(Specify)				
Total				

3.2 Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of Workshop/Seminar	Date(s)

3.3 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the Year

Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category

State	National		International	

3.4 No of teachers who receive recognition/awards

3.5 Ph. Ds awarded during the year (*applicable for PG College, Research Center*)

Name of the Department	No. of Ph. Ds Awarded

3.6 Research Publications in the Journals notified on UGC website during the year

	Department	No. of Publication	Average Impact Factor, if any
National			
International	Mathematics	09	-

3.7 Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	No. of publication
Mathematics	01

3.8 Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or Pub Med/ Indian Citation Index

Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations

3.9 h-index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication

3.10 Faculty participation in Seminars/Conferences and Symposia during the year:

No. of Faculty	International level	National level	State level	Local level
Attended Seminars/ Workshops	01	04		01
Presented papers	01	02		
Resource Persons				

3.11 Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organizations through during the year

Title of the Activities	Organizing unit/ agency/ collaborating agency	Number of teachers co-ordinated such activities	Number of students participated in such activities

3.12 Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the Activity	Award/recognition	Awarding bodies	No. of Students benefited

3.13 Students participating in extension activities with Government Organizations, Non-Government Organizations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/ agency/ collaborating agency	Name of the activity	Number of teachers coordinated such activities	Number of students participated in such activities
Marathan	Khasdar Krida Mahotsav	Samrudhi Daud	01	20

3.15 Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of Activity	Participant	Source of financial support	Duration

3.16 Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	participant

3.5.3 MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose and Activities	Number of students/teachers participated under MoUs

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1.2 Details of augmentation in infrastructure facilities during the year		
Facilities	Existing	Newly added
Laboratories		
No. of important equipments purchased (\geq 1-0 lakh) during the current year.		
Value of the equipment purchased during the year (Rs. in Lakhs)		
Others		

4.3.4 E-content developed by teachers such as: e-PG-Pathshala, CEC (under e-PG-Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/ NMEICT /any other Government initiatives & institutional (Learning Management System (LMS) etc			
Name of the teacher	Name of the module	Platform on which module is developed	Date of launching e - content

CRITERION V - STUDENT SUPPORT AND PROGRESSION

5.1.2 Number of capability enhancement and development schemes such as Remedial

coaching, Bridge courses, Personal Counselling and Mentoring etc.,			
Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved

5.2.2 Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to

5.2.3 Students qualifying in state/ national/ international level examinations during the year (eg: NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	No. of Students selected/ qualifying	Registration number/roll number for the exam
NET		
SET		
SLET		
GATE		
GMAT		
CAT		
GRE		
TOFEL		
Civil Services		
State Government Services		
Any Other		

5.3.2 No. of enrolled Alumni of the department:

CRITERION VI –GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.3.3 No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	Date and Duration (from – to)

--	--	--

6.4.2 Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies/ individuals	Funds/ Grants received in Rs.	Purpose

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1.4 Inclusion and Situatedness						
Enlist most important initiatives taken to address locational advantages and disadvantages during the year						
Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff

7.1.6 Activities conducted for promotion of universal Values and Ethics

S.NO.	Activity	Duration (from--to-----)	Number of participants
1	Short film documentary release function of Euler’s Spoiler: a Living Legend on Dr. S.S.Shrikhande .	09-08- 2018	150
2	National Mathematics Day	22-12-2018	200
3	workshop on “Countable sets “ and quiz competition.	14 -03-2019	250

7.1.7 Initiatives taken by the department to make the campus eco-friendly

7.2 Best Practices: Describe at least two best practices of the department

7.3 Institutional Distinctiveness: Provide the details of the performance of the department in one area distinctive to its vision, priority and thrust

Provide the weblink of the institution in not more than 500 words

8. Future Plans of action for next academic year (500 words)

- 1) To Celebrate National Mathematical day
- 2) To Organize students seminar on curriculum
- 3) To Organize Inter Collegiate Quiz Competition in Collaboration with NUMTA
- 4) To Organize Guest Lecture by external experts
- 5) To Organize Poster Competition for UG and PG students.
- 6) To Develop Mathematical Laboratory
- 7) To Start Certificate Course in Mathematical Modeling

Date: 07/01/2019



Head
Department of Mathematics