

Samrat Ashok Technological Institute Vidisha (M.P.)

The Annual Quality Assurance Report (AQAR) of the IQAC Session 2016-17

Part – A

I. Details of the Institution

1.1 Name of the Institution

Samrat Ashok Technological Institute

1.2 Address Line 1

Civil lines

Address Line 2

Sagar Road

City/Town

Vidisha

State

M.P

Pin Code

464001

Institution e-mail address

sati@satiengg.org

Contact Nos.

9826244840

Name of the Head of the Institution:

Dr. J.S. Chouhan

Tel. No. with STD Code:

07592-250121

Mobile:

9826244840

Name of the IQAC Co-ordinator:

Prof. Sanjay Katarey

Mobile:

9826050049

IQAC e-mail address:

sanjaykatarey@hotmail.com

1.3 NAAC Track ID (For ex. MHCOGN 18879)

F.19.26/EC(SC-14)/DO/2016/39.1

1.4 NAAC Executive Committee No. & Date:

(For Example EC/32/A&A/143 dated 3-5-2004.
This EC no. is available in the right corner- bottom
of your institution's Accreditation Certificate)

F.19.26/EC(SC-14)/DO/2016/39.1
dated 29.3.22016

1.5 Website address:

www.satiengg.in

Web-link of the AQAR:

<http://www.satiengg.in/IQAC>

For ex. <http://www.ladykeanecollege.edu.in/AQAR2012-13.doc>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B	2.36	2016	5 years
2	2 nd Cycle				
3	3 rd Cycle				
4	4 th Cycle				

1.7 Date of Establishment of IQAC :

DD/MM/YYYY

28/11/2015

1.8 AQAR for the year (for example 2010-11)

2016 -17

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011)

This is the first AQAR report

- i. AQAR _____ (DD/MM/YYYY)4
- ii. AQAR _____ (DD/MM/YYYY)
- iii. AQAR _____ (DD/MM/YYYY)
- iv. AQAR _____ (DD/MM/YYYY)

1.10 Institutional Status

University State Central Deemed Private

Affiliated College Yes

Constituent College No

Autonomous college of UGC Yes

Regulatory Agency approved Institution Yes

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education Men Women

Urban Rural Tribal

Financial Status Grant-in-aid UGC 2(f) UGC 12B

Grant-in-aid + Self Financing Totally Self-financing

1.11 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

1.12 Name of the Affiliating University (for the Colleges)

R.G.P.V. Bhopal for Engg. & MCA courses

B.U. Bhopal for M.Sc and MBA courses

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University

University and UGC

University with Potential for Excellence

UGC-CPE

DST Star Scheme

UGC-CE

UGC-Special Assistance Programme

DST-FIST

UGC-Innovative PG programmes

Any other (*Specify*)

UGC-COP Programmes

2. IQAC Composition and Activities

2.1 No. of Teachers

7

2.2 No. of Administrative/Technical staff

1

2.3 No. of students

NII

2.4 No. of Management representatives

01

2.5 No. of Alumni

2

2.6 No. of any other stakeholder and
community representatives

01

2.7 No. of Employers/ Industrialists

02

2.8 No. of other External Experts

02

2.9 Total No. of members

16

2.10 No. of IQAC meetings held

01

2.11 No. of meetings with various stakeholders:

No.

01

Faculty

01

Non-Teaching Staff Students Alumni Others

2.12 Has IQAC received any funding from UGC during the year? Yes No

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/ Conferences/ Workshops/ Symposia organized by the IQAC

Total Nos. International National State Institution Level

(ii) Themes

2.14 Significant Activities and contributions made by IQAC

Facilitating academic schedule and providing inputs regarding composition of various academic committees.
Sensitizing towards OBE system
Facilitating Departments for going for NBA accreditation
Establishment of various students chapters

2.15 Plan of Action by IQAC / Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality Enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements
Timely completion of session as per academic calendar	Achieved
Automation of Library	1 Completed classification, Barcoding & Library Automation work.

	2. Computerised Circulation Service started through Library Management Software 'Koha'
Student chapters created	BMC Club Started in Dec 2015
	E & I Society, SATI, Vidisha
	ISTE (Indian Society if Technical Education)
	Department has been established robotic club and Innovation Centre for students open for 24X7
	Club 'O' E & IET,

2.15 Whether the AQAR was placed in statutory body Yes No

Management Syndicate Any other body

Provide the details of the action taken

Part – B

Criterion – I

I. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes

PhD				
PG	17		16	
UG	09		04	
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				
Others				
Total	26		20	
Interdisciplinary				
Innovative				

- 1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options
(ii) Pattern of programmes:

Pattern
Semester Number of programmes
All Programme
Trimester
Annual

1.3 Feedback from stakeholders* Alumni Parents Employers Students
(On all aspects)

Mode of feedback : Online Manual Co-operating schools (for PEI)

**Please provide an analysis of the feedback in the Annexure*

- 1.4 Whether there is any revision / update of regulation or syllabi, if yes, mention their salient aspects.

Planning outcome based criterion and Program outcomes. Board of studies updated the syllabus.

- 1.5 Any new Department/Centre introduced during the year. If yes, give details.

NIL.

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	73	37	24	12	

2.2 No. of permanent faculty with Ph.D.

30

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
Nil	50	NII	19	NIL	-	NIL	-	-	69

2.4 No. of Guest and Visiting faculty and Temporary faculty

Contract—69

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	1	6	12
Presented papers	1	6	12
Resource Persons		2	2

2.6 Innovative processes adopted by the institution in Teaching and Learning:

Outcome Based Education.
Use of ICT based technologies

2.7 Total No. of actual teaching days during this academic year

218

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

As Per Univ. Ordinances.

2.9 No. of faculty members involved in curriculum restructuring /revision /syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

3

1

2.10 Average percentage of attendance of students

66%

2.11 Course / Programme wise distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
BE Civil	55	22	55	11		88

BE Mech	53	65	23	3		91
BE Elect	54	32	54	8		96
BE E&I	52	12	70	11		93
BE CSE	55	40	51	7		98
BE E& C	52	21	44	14		79
BE Bio Medical	15	11	51	12		74
BE Petro Chermal	44	22	55	11		88
ME CTM	6	75	25			100
ME Env	10	81	19			100
ME Trans	14	77	23			100
ME APS	8	78	22			100
M Tech CIM	6	80	20			100
ME Power Elect.	10	74	26			100
ME EMD	2	50	50			100
MTech CSE	20	68	32			100
MTech I.T	6	81	19			100
M Tech Soft ware	12	70	30			100
MTech EC	14	79	21			100
MCA	34	36	64			95
MBA	59	3	67	30		87
M. Sc. Applied Chemistry	12	14	84	2		100
M. Sc Computer science	03	0	3	100		100
M.sc Applied Physics	1		100			100

2.12 How does IQAC Contribute/ Monitor /Evaluate the Teaching & Learning processes:

Strategy is being chalked out with all Heads, Dean and controller of Exam to improve upon the teaching – learning process.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	25
UGC – Faculty Improvement Programme	
HRD programmes	
Orientation programmes	2
Faculty exchange programme	
Staff training conducted by the university	
Staff training conducted by other institutions	
Summer / Winter schools, Workshops, etc.	15

Others	
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2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	106	NIL	NIL	NIL
Technical Staff	45	NIL	NIL	NIL

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing / Promoting Research Climate in the institution

Research contributions were made an integral part of annual assessment of teachers.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	00	01	01	01
Outlay in Rs. Lakhs		13 lakh	30 lakhs	17 lakhs

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	NIL	NIL	NIL	NIL
Outlay in Rs. Lakhs	NIL	NIL	NIL	NIL

3.4 Details on research publications

	International	National	Others
Peer Review Journals	04	02	
Non-Peer Review Journals		04	
e-Journals			
Conference proceedings	00	02	

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	2016-17	DST	30lakhs	22.5 lakhs
Minor Projects	2016-17	NiL	NIL	NIL
Interdisciplinary Projects	2016-17	NiL	NIL	NIL
Industry sponsored	2016-17	NiL	NIL	NIL
Projects sponsored by the University/ College	2016-17	NiL	NIL	NIL
Students research projects <i>(other than compulsory by the University)</i>	2016-17	NiL	NIL	NIL
Any other(Specify)	2016-17	NiL	NIL	NIL
Total	2016-17	NiL	NIL	NIL

3.7 No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from NIL

UGC-SAP CAS DST-FIST
DPE DBT Scheme/funds

3.9 For colleges
Autonomy CPE DBT Star Scheme
INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences organised by the Institution

Level	International	National	State	University	College
Number		01			
Sponsoring agencies		TEQIP			

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations
International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From Funding agency From Management of University/College
Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	NIL
	Granted	NIL
International	Applied	NIL
	Granted	NIL
Commercialised	Applied	NIL
	Granted	NIL

3.17 No. of research awards / recognitions received by faculty and research fellows
Of the institute in the year : NIL

Total	International	National	State	University	Dist	College

3.18 No. of faculty from the Institution
who are Ph. D. Guides
and students registered under them

3.19 No. of Ph.D. awarded by faculty from the Institution

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level
National level International level

3.22 No. of students participated in NCC events:

University level State level
National level International level

3.23 No. of Awards won in NSS:

University level State level
National level International level

3.24 No. of Awards won in NCC:

University level State level
National level International level

3.25 No. of Extension activities organized

University forum College forum
NCC NSS Any other

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- Organised street plays to create awareness on voting rights
- Organised NSS camp.
- Organised vehicle pollution camp.

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	85acres			
Class rooms	2606sqm			

Laboratories	4420sqm			
Seminar Halls	1900sqm			
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				

4.2 Computerization of administration and library

Academic and examination section are computerized. Use of e files and e communication is promoted.

Library:

1. Completed classification, Barcoding & Library Automation work.
2. Computerised Circulation Service started through Library Management Software 'Koha'

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	71166				71166	
Reference Books	3425				3425	
e-Books	245	535815			245	535815
Journals	55	311092	55	311092	55	311092
e-Journals	561	671774	561	671774	561	671774
Digital Database	04	671774	04	671774	04	671774
CD & Video	2031					
Others (specify)						

1. Organised Orientation Programmes (Utilisation of Library Resources) for First Year Students (From 18.08.2015 to 24.08.2015).
2. Organised IEEE Awareness Programme for more utilization of library e-resources.
3. Organised National Library Day (12 August 2015)
4. Organised one day Book Exhibition for selection for procurement of New Books in the Central Library (12.02.2015).
5. Purchased New Print Books approx 3900 of worth Rs. 1166710 under TEQIP-II in the Central Library

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	765	07	100mbp		07			
Added	765	07	100mbp		07			
Total								

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

765 Computer, 100mbps

4.6 Amount spent on maintenance in lakhs :

i) ICT	1.00
ii) Campus Infrastructure and facilities	22.34
iii) Equipments	34.87
iv) Others	0.63
Total :	58.84

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Training for campus placement under TEQIP -II
- Procurement of new books.

5.2 Efforts made by the institution for tracking the progression

- Continuously organising expert talks and taking advice from eminent academicians.
- Strengthening connect with stake holders

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
2085	356	53	

Men	No	%
	1791	72

Women

No	%
754	28

General	Last Year				Total	This Year				Total	
	SC	ST	OBC	Physically Challenged		General	SC	ST	OBC		Physically Challenged
1130	392	193	770	05	2490	1134	394	196	764	06	2494

(b) No. of students outside the state

64

(c) No. of international students

01

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

T&P section conducts training sessions for placement.

No. of students beneficiaries

55%

of final year & pre final year

5.5 No. of students qualified in these examinations

NET SET/SLET GATE CAT
IAS/IPS etc State PSC UPSC Others

5.6 Details of student counselling and career guidance

Special lectures from experts regarding recent advances and training for soft skills is organised under TEQIP -II

No. of students benefitted

408

5.7 Details of campus placement

	<i>On campus</i>		<i>Off Campus</i>	
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed	
36	451	122	15	

5.8 Details of gender sensitization programmes

NIL

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	22	110350
Financial support from government	932	32240329
Financial support from other sources	0	0
Number of students who received International/ National recognitions	0	0

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: _____

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision

To contribute towards service and development of the mankind, through quality education and research in the area of Science, Technology and Management.

Mission

To create quality manpower equipped with technical skills, social values, leadership, creativity, and renovation for the benefits, betterment of mankind and sustainable development of the nation.

6.2 Does the Institution has a management Information System

For Examination from CRISP.

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

After discussion with experts, students, alumni, employers curriculum is framed in Board of Studies and approved by Academic Council of Institute.

6.3.2 Teaching and Learning

- Outcome based education system is promoted.

6.3.3 Examination and Evaluation

Online system through CRISP for results and analysis.

6.3.4 Research and Development

Motivation for faculty for sponsored research projects.
Dean R&D is assigned with the task of improving the R&D.

6.3.5 Library, ICT and physical infrastructure / instrumentation

Continuous procurement of new books and e books for Library.
Installation of projectors and smart boards in class rooms to enable ICT.
Creation of eco friendly campus is promoted.

6.3.6 Human Resource Management

Training programs on office management and enhancement of computer skills were organised.

Teachers are promoted to attend workshops and seminars.

6.3.7 Faculty and Staff recruitment

Due to non clearance from Govt. regular faculty and staff positions were not filled. However faculty on contract basis were recruited.

6.3.8 Industry Interaction / Collaboration

Through IIPC cell interaction were made.

6.3.9 Admission of Students

Online (as per state Govt. / Univ. norms).

6.4 Welfare schemes for

Teaching	Exists
Non teaching	Exists
Students	Exists

6.5 Total corpus fund generated

796.17 lakh

6.6 Whether annual financial audit has been done

Yes No

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic			y	Institutional Committee
Administrative			y	Institutional Committee

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes Yes No

For PG Programmes Yes No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

Within the University norms efforts were made to have qualitative assessment of students and the problem solving ability to be enhanced.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

Full support was provided by the affiliating Universities.

6.11 Activities and support from the Alumni Association

Alumni Meet is organised.
Support for Poor Students through Scholarships / Laptop distribution.
Donation of books

6.12 Activities and support from the Parent – Teacher Association

From time to time interaction with parents is done.

6.13 Development programmes for support staff

Support staff is promoted to undertake training programmes to enhance their skills.

6.14 Initiatives taken by the institution to make the campus eco-friendly

Going for paperless communication via e mails.
Discouraging the use of plastic.

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

- Organised international conference, seminars, invited lectures of eminent persons.
- .Implementation of major suggestions pointed out by UGC and NAAC expert teams.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

To apply for NBA accreditation

7.3 Give two Best Practices of the institution

- Up- gradation of classrooms and creating infrastructure for ICT .
- Initiation of water conservation and electricity saving initiatives.

7.4 Contribution to environmental awareness / protection

Plantation.
Water recycling
Reduction in electricity consumption.

7.5 Whether environmental audit was conducted?

Yes

No

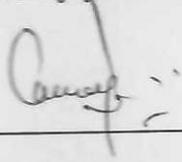
7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

8. Plans of institution for next year

Submission of SAR to NBA for accreditation of B.E. programs

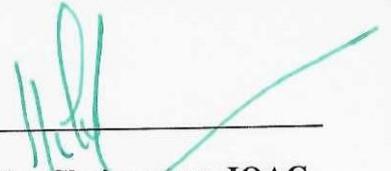
Enhancement in placements

Name Prof. Sanjay Katarey



Signature of the Coordinator, IQAC

Name Dr. J.S Chauhan



Signature of the Chairperson, IQAC