

The Annual Quality Assurance Report (AQAR) of the IQAC
School of Computer Science and IT

Part – A

1. Details of the Institution

1.1 Name of the Institution	School of Computer Science and IT
1.2 Address Line 1	SCSIT, Devi Ahilya University
Address Line 2	Khandwa Road
City/Town	Indore
State	MP
Pin Code	452001
Institution e-mail address	sanjay_tanwani@hotmail.com
Contact Nos.	91-731-2438518, 2438530 (O)
Name of the Head of the Institution:	Dr. Sanjay Tanwani
Tel. No. with STD Code:	91-731-2438518 (O)
Mobile:	+919826623640
Name of the IQAC Co-ordinator:	Dr. Deepak Abhyankar

Mobile: +919827438976

IQAC e-mail address: iqacscs@gmail.com

1.3 NAAC Track ID (For ex. MHCOGN 18879) **EC/66/RAR/146 dated 21-02-2014**

1.4 Website address: www.dauniv.ac.in

Web-link of the AQAR: http://www.iqac.dauniv.ac.in/UTDReports.php

For ex. <http://www.ladykeanecollege.edu.in/AQAR201213.doc>

1.5 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	Four Star		20/09/2000	“Five Years”
2	2 nd Cycle	B grade	2.57 out of 4	16/09/2008	“Five Years”
3	3 rd Cycle	A	3.09	21 .2. 2014	“Five Years”
4	4 th Cycle	N.A	N.A	N.A	N.A

1.6 Date of Establishment of IQAC : DD/MM/YYYY 21/11/2008

1.7 AQAR for the year (*for example 2010-11*) 2015-16

1.8 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*)

- i. AQAR _____ 2014-15 on 31-07-2015 _____
- ii. AQAR _____ 2015-16 on 03-09-2016 _____
- iii. AQAR _____ (DD/MM/YYYY)
- iv. AQAR _____ (DD/MM/YYYY)

1.9 Institutional Status

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes No

(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

1.10 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

Engineering Science

1.11 Name of the Affiliating University (for the Colleges)

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

Autonomy by State/Central Govt. / University

University with Potential for Excellence

UGC-CPE

DST Star Scheme	<input type="text"/>	UGC-CE	<input type="text"/>
UGC-Special Assistance Programme	<input checked="" type="checkbox"/>	DST-FIST	<input checked="" type="checkbox"/>
UGC-Innovative PG programmes	<input type="text"/>	Any other (<i>Specify</i>)	<input type="text"/>
UGC-COP Programmes	<input type="text"/>		

2. IQAC Composition and Activities

2.1 No. of Teachers	<input type="text" value="5"/>
2.2 No. of Administrative/Technical staff	<input type="text" value="1"/>
2.3 No. of students	<input type="text" value="1"/>
2.4 No. of Management representatives	<input type="text" value="Nil"/>
2.5 No. of Alumni	<input type="text" value="Nil"/>
2.6 No. of any other stakeholder and community representatives	<input type="text" value="Nil"/>
2.7 No. of Employers/ Industrialists	<input type="text" value="Nil"/>
2.8 No. of other External Experts	<input type="text" value="Nil"/>
2.9 Total No. of members	<input type="text" value="7"/>
2.10 No. of IQAC meetings held	<input type="text" value="2"/>
2.11 No. of meetings with various stakeholders:	No. <input type="text" value="2"/> Faculty <input type="text" value="2"/>
Non-Teaching Staff	<input type="text" value="2"/>
Students	<input type="text" value="2"/>
Alumni	<input type="text" value="0"/>
Others	<input type="text" value="Nil"/>
2.12 Has IQAC received any funding from UGC during the year?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
If yes, mention the amount	<input type="text"/>

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 Assessment Workshop semester wise for feedback analysis of faculty and self appraisal

2.14 Significant Activities and contributions made by IQAC

Significant improvement in overall quality of teaching and learning

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
Follow the IQAC guideline rigorously Details are in annexure ii	17 research papers published Details are in annexure i

* Attach the Academic Calendar of the year as Annexure.

2.16 Whether the AQAR was placed in statutory body Yes No

Management Syndicate Any other body

Provide the details of the action taken

As per university directives from time to time

Part – B

Criterion – I

1. 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	1	Nil		1
PG	8	Nil	6	8
UG	1	Nil	1	1
PG Diploma	1	1	1	
Advanced Diploma	Nil	Nil		
Diploma	Nil	Nil		
Certificate	Nil	Nil		
Others	Nil	Nil		
Total	11	1	8	10
Interdisciplinary				
Innovative				

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

Pattern	Number of programmes
Semester	8
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.

Every year committee of senior Professors guide the revision process. The updated syllabus is distributed to students and also uploaded on department website.

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

No

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
10	6	2	2	

2.2 No. of permanent faculty with Ph.D.

9

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
					1				

2.4 No. of Guest and Visiting faculty and Temporary faculty

5

6

11

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	11		
Presented	09		
Resource Persons	7		

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

- Library equipped with best text /reference books.
- Lab assignments done by teachers themselves at the beginning of the session.
- ICT enabled classrooms.
- Online form submission through MP Online portal.
- WiFi Connectivity in campus.
- Massive Plantation.
- Polythene Free Campus: It is not allowed to use polythenes within the premises.

2.7 Total No. of actual teaching days during this academic year 200

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

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop 5 5 5

2.10 Average percentage of attendance of students 80%

2.11 Course/Programme wise
Distribution of pass percentage: Result Declared

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
BCA						
BCA (Hons.)						
MCA						
MCA (Int.)						
M.Tech.						
M.Sc. CS/IT						
MBA (CM)						
PGDCA						

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

IQAC continuously monitors the course contents, teaching methodologies, assignment lists provided to students, regularity in conduction of classes and makes sure that the students are able to achieve the learning objectives.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	4
UGC – Faculty Improvement Programme	
HRD programmes	
Orientation programmes	
Faculty exchange programme	
Staff training conducted by the university	
Staff training conducted by other institutions	
Summer / Winter schools, Workshops, etc.	5
Others	

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	08	0	0	12
Technical Staff	0	0	0	1

Criterion – III

3. Research, Consultancy and Extension

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

- Modern IT infrastructure is planned with state of art softwares like Weka MySQL, Scilab, Talend, Hadoop, Spark and various other open source softwares.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	Nil			
Outlay in Rs. Lakhs				

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	Nil			
Outlay in Rs. Lakhs				

3.4 Details on research publications

	International	National	Others
Peer Review Journals	17		
Non-Peer Review Journals			
e-Journals			
Conference proceedings	05		

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 1	2015-16	SAP	Grant Awaited	
Minor Projects	Nil	Nil	Nil	
Interdisciplinary Projects	Nil	Nil	Nil	Nil
Industry sponsored	Nil	Nil	Nil	Nil
Projects sponsored by the University/ College	Nil	Nil	Nil	Nil
Students research projects <i>(other than compulsory by the University)</i>	Nil	Nil	Nil	Nil
Any other(Specify)	Nil	Nil	Nil	Nil
Total 1	2015-16	SAP	Grant Awaited	

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

UGC-SAP CAS DST-FIST in 2008
 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 organized by the Institution

Level	International	National	State	University	College
Number	Nil	Nil	Nil	Nil	Nil
Sponsoring agencies	Nil	Nil	Nil	Nil	Nil

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

Total	International	National	State	University	Dist	College
Nil	Nil	Nil	Nil	Nil	Nil	Nil

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

8

38

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

7

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

JRF Nil SRF Nil Project Fellows N Sanctioned Any other Nil

3.21 No. of students Participated in NSS events:

University level 100 State level
National level International level

3.22 No. of students participated in NCC events: Started in July 2015

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 Nil State level Nil
National level Nil International level Nil

Started in July 2014

3.25 No. of Extension activities organized

University forum	<input type="text"/>	College forum	<input type="text"/>		
NCC	<input type="text"/>	NSS	<input type="text" value="1"/>	Any other	<input type="text" value="1"/>

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

- Numerous visiting speakers delivered expert lectures on areas of ICT
- Seminar on IT Security & Ethical Hacking by Jafar Hasan (APPIN Technology Lab, Indore), February 11, 2016.
- Lecture on Campus to Corporate by Mr. Sandeep Atre (CH Edge Makers), February 3rd, 2016.
- Seminar on Inward bound: Leadership journey to develop self by Shilpa Jhawar, January 30, 2016.
- SPIC MACAY Programme by Pandit Ajay Pohankar, world renowned Vocalist (Hindustani Music), Shri Ramendra Singh Solanki on Tabla, and Dr. Vivek Bansod on Harmonium, January 20, 2016.
- Expert Talk on “Knowledge Representation, Requirements Engineering and Career Guidance”
SPEAKER Ms. Richa Sharma, Shiv Nadar University, NCR, Delhi
- Lecture by Brigadier Rajesh Chaba in Induction Programme
- “Emerging trends in IT” by HCL Corp.
- “Mobile Computing” by Dr. H.M. Gupta
- Lecture on Terrorism in 21st Century by retd. Maj. Gen. Shekatkar, January 16, 2016.
- Special events like Ganesh Utsav and Navratri Utsav have been organized

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	7860(Sq Mt)	Nil		7860
Class rooms	6	Nil		6
Laboratories	10	Nil		10
Seminar Halls	01	Nil		01
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	200 Computers	30 Computers	Department fund	230
Value of the equipment purchased during the year (Rs. in Lakhs)	97	15		
Others				

4.2 Computerization of administration and library

- Our department library is fully computerized.
- The administrative office includes reception area, office area and record keeping room. School has an Examination control room which facilitates record keeping of various examination's details and mark-sheets of students.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	16103		495			
Reference Books	450					
e-Books						
Journals						
e-Journals	5000					
Digital Database						
CD & Video						
Others (specify)						

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	200	8	Y	1	1	1	0	0
Added	30							
Total	230	8	Y	1	1	1	0	0

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

- All desktops given to faculty and students are internet ready through 1 GBPS bandwidth available from IT Centre. Restricted internet access for students through security tools to preserve bandwidth for academic

4.6 Amount spent on maintenance in lakhs :

i) ICT	<input style="width: 80%;" type="text" value=".10"/>
ii) Campus Infrastructure and facilities	<input style="width: 80%;" type="text" value=".10"/>
iii) Equipments	<input style="width: 80%;" type="text" value="2.5"/>
iv) Others	<input style="width: 80%;" type="text" value=".5"/>
Total :	<input style="width: 80%;" type="text" value="3.2"/>

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Students are provided motivation and career counselling by various teachers and placement officer. Expert lectures are organized to enhance the teaching learning process.

5.2 Efforts made by the institution for tracking the progression

- Department organizes PTM (Parent Teacher Meet) and take regular feedback from the parents. Parents are in the Departmental committees such as Anti-ragging etc.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
189	414	38	0

(b) No. of students outside the state

25

(c) No. of international students

0

Men	No	%	Women	No	%
	311	48		330	52

No	%
330	52

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
395	80	30	195	0	700	370	53	17	201	0	641

Demand ratio

Dropout %

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

- Extra classes are conducted to support the students for competitive exams like GATE and NET

No. of students beneficiaries

50

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

For each class a class teacher and a mentor is appointed to provide counselling and career guidance. Also, Mr. Nitin Uikey (Placement Officer) provides career guidance.

No. of students benefitted

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
10	190	40	2

5.8 Details of gender sensitization programmes

- SCSIT held a Gender Sensitization Session with the students. There were a total of 100 students, who participated in the discussion. The Program was well planned and executed. During the course of discussion issues like gender equality and discrimination against women were explained well with the help of hypothetical examples. This was an hour long interactive discussion with the students participating actively in it.

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	Nil	Nil
Financial support from government	M.Tech II Year	12400/Month
	All SC/ST students	
Financial support from other sources	Nil	Nil
Number of students who received International/ National recognitions	Nil	Nil

- Scholarship and fee reimbursement to ST/SC and OBC through State Government
- Three M.Tech. courses with specialization in 1. Computer Science, 2.Network Management & Information Security and 3. Software Engineering & Information Architecture run by the department are AICTE approved. All students taking admission in these M.Tech. courses in 2015-17 batch are GATE qualified and receive **Rs. 12400/- per** month as stipend as and when it is received from AICTE.

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 achieve excellent standards of quality education by keeping pace with rapidly changing technologies & create computer professionals of global standards with capabilities of accepting new challenges."*

Mission:

- *To produce world-class professionals who have excellent analytical skills, communication skills, team building spirit and ability to work in cross cultural environment.*
- *To produce international quality IT professionals, who can independently design, develop and implement computer applications.*
- *Professionals who dedicate themselves to mankind, who are environment conscious, follow social norms and ethics.*

6.2 Does the Institution has a management Information System

No

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

6.3.1 Curriculum Development

- Grade-Credit System is followed
- IEEE/ACM curricula is followed as a benchmark to update curriculum
- The Devi Ahilya University is one of the pioneers in starting the computer department way back in 1986, when only few universities in the country were given sanction by UGC/DOE to start the MCA programme.
- After one year in 1987, the Defence Research Development Organisation sanctioned M.Sc. Computer Science programme with an intake of 30 seats.
- We are one of the first in the country to start innovative programmes like M.Tech. Information Architecture & Software Engineering in 2008.
- Only one integrated program is run in SCSIT. BCA + BCA(Hons) + MCA(Integrated)
- The concerned teachers are also given flexibility to update the syllabus and Curriculum revision is done as per industry requirements
- This syllabus is reviewed by subject experts (Review committee) and feedback results.
- Curriculum is mapped with NET and GATE syllabus.
- Course syllabi are based on syllabus revision from the latest ACM/IEEE international curricula.
- Also, the feedback from alumni working at senior positions, industry experts has helped us to introduce latest subjects, for example Cloud Computing, Service Oriented Architecture.
- M.Tech. Embedded Systems, Mobile Computing and Spatial Information Technology at School of Electronics are interdisciplinary and are supported by Computer Science Faculty Members.
- Courses on Motivation, Communication Skills, English & Personality Development, Special courses on Android, VB.net, Database & Data mining are organized for students on regular basis.
- List of Core/ Elective options – Electives offered at M.Tech., MSc & MCA courses.

6.3.2 Teaching and Learning

- Excellent demand ratio for the various programmes of the university departments (M.Tech (CS/NM/SE), MCA VYAPAM, M.Sc. (CS/IT))
- An Orientation program is organized for fresher students every year before commencement of classes.
- Motivation lectures are organized regularly for fresher students.
- The weak students are identified after each class tests and the extra classes are arranged for weaker students. The academic calendar of the university and course plan includes schedule of orientation, induction, orientation, remedial, advanced learner classes, cultural and sports activities.
- Course plan and detailed teaching plan is designed for each course.
- Student kit is prepared for each course and it is given to the students.
- Every teacher maintains teacher's diary cum attendance register and laboratory teachers maintain laboratory cum attendance register
- Evaluation results and the answer copies shown to the students to resolve grievances. Best answers and best copies are also shown.
- Grades are finalized within two weeks at the end of each semester.
- Regular Monitoring by Academic Planning Committee and frequent checks by senior faculty.
- Regular quizzes and, seminars with student participation organized in every subject.
- The power point presentations prepared by faculty are uploaded on the site. The students are encouraged to visit and study the lectures prepared by IIT professors.
- Faculty members have delivered VIDEO lectures over EDUSAT through Education Media Research Centre, DAVV.
- The faculty members have prepared power point presentations for the subjects taught. These PPTs are uploaded on the web site.
- The student laptop connected to internet through Wi-Fi for 24x7 learning in campus and hostels.

6.3.3 Examination and Evaluation

- Evaluation results and the answer copies shown to the students to resolve grievances. Best answers and best copies are also shown.
- Grades are finalized within two weeks at the end of each semester.
- Regular Monitoring by Academic Planning Committee and frequent checks by senior faculty.
- Regular quizzes and, seminars with student participation organized in every subject.

6.3.4 Research and Development

- To enhance the research activities in the department, there is a need to develop a separate research committee. Departmental Research Committee is thus formed.
- The department is funded by UGC and DST for carrying out the research activities.
- Various national level workshops are organized to promote research activities in the department. Eminent scientists/scholars have participated in these events.
- Library has subscribed to online journals, which includes access to topmost journals in computer science like ACM, IEEE & Elsevier.
- Dr S Tanwani, Dr, P Kanungo, Dr. U Suman & Dr M Ingle has reviewed papers submitted for CSI Journal.
- Faculty serving as members of steering committees of international conferences recognized by reputed organizations / societies.
- Dr. M Ingle, Dr . S Tanwani and Dr. U Suman are invited as keynote speaker in large number of international conferences held in reputed organisations.

6.3.5 Library, ICT and physical infrastructure / instrumentation

- The school has recently built up excellent infrastructure and learning resources in 2009 costing Rs. 10.0 crores.
- It is situated in the central area of Takshashila campus of Devi Ahilya University over an area of 7860 square meters which includes a large main building that accommodates both the administrative office and the academic block. It has seven lecture halls, two multimedia theaters and more than ten laboratories and the department library.
- The lecture rooms are spacious and well ventilated. Each lecture hall is well equipped with white and black board out of which some are equipped with multimedia projectors.
- Dr. A. K. Ramani Memorial Hall has 240 seats and is used by other UTD for is used for organizing lectures, conferences and workshops.
- Library is fully automated library.
- It has 16,053 text books & reference books are available in the library, All the books of library are fully bar-coded.
- we use a software that is made by UGCINFCLBNET Name of the software is (SOUL 2.0)
- We provide 4 books to each students for 5 days and It could be renewal after due date.
 - For SC/ST students, we provide 3 books to each students those who are some in SC/ST category up to full semester.
 - 1100 e lecture CDS are available for all the member of the department.
 - All the books are secured by radio frequency. Antenna installed in entry gate of Library. There are Six person/employee are working in the Library.
- Annual department Library budget is 5 Lakh Rupees.
 - Additional English language lab equipped with microphones and clarity software are provided to students of all classes. Computer Labs: 06, Servers: 05, No. of computers: 241, Internet and wifi facility: Enabled on all computers, Multimedia Lecture theatres: 02, Multimedia enabled faculty meeting hall: 01, Projectors: 04 working

6.3.6 Human Resource Management

- The Management maintains transparency in communicating the intent of the organization to all its employees through clarity in authority and delegation to achieve positive results in improving performance of the institution through the following acts.
- Frequent faculty meetings at school level. For effective implementation of policies and plans, the school emphasizes on the reviews made by various committees constituted by involving Faculty are given below:
 - Academic Planning Committee
 - Placement Cell
 - Internal Quality Assurance Cell (IQAC)
 - Industry Institute Relationship Cell
 - Library and Laboratory Infrastructure Committee
 - Exam and result Committee
 - Disciplinary Committee
 - Grievance Redressal
 - Alumni Association
 - Anti- Ragging
- Faculty and Students also participate in the management of Institute by giving suggestion about purchasing of equipment in laboratory, books and other study material in Library, timings of Institute and library, sports and research .
- Function of Class Coordinators and working committee are strategic to groom leadership at various levels.
- Student services are provided by the Head's Office, Academic Planning Office, Advising Office, the Placement Office, Student Co-curricular Office, the Industry Interface Office, Result & Examination Office, Assessment & Research Office, Laboratory & Infrastructure Office, Library Development Office and the Student Clubs / Alumni Association Office.
- It is our intention to provide our students with a sense of community within the school.

6.3.7 Faculty and Staff recruitment

- UGC norms and guidelines are followed in faculty and staff recruitment.

6.3.8 Industry Interaction / Collaboration

- Faculty members are in touch with industry experts and receive useful feedback from the various experts.
- Industry experts from organizations like TCS conduct workshop on subjects such as cloud computing at department.
- Many of department Alumni are on higher posts in IT companies in India and abroad. They regularly give useful feedback for the benefit of department.

6.3.9 Admission of Students

- M.Tech- students are admitted through GATE Score > 90 percentile.
- M.Sc. (CS/IT)/ BCA/ MBA(CM) – Students admitted through Departmental Entrance Test/ Common Entrance Test (CET).
- MCA- Students are admitted through MP VYAPAM.
- PhD- Students are admitted through Doctoral Entrance Test (DET) conducted by the University.
- Admissions are strictly on the merit basis of entrance test.

6.4 Welfare schemes for

Teaching	4 % deduction in TWF
Non teaching	Nil
Students	Nil

6.5 Total corpus fund generated

Nil

6.6 Whether annual financial audit has been done

Yes No

13 – 14 is complete As per University rules

14-15 is in progress

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	Nil	No	Nil
Administrative	No	Nil	No	Nil

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?

- Semester system is followed and the answer sheets were shown to the students after evaluation.

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

6.11 Activities and support from the Alumni Association

- Department organizes career counseling, soft skill development, career-path-identification, and orientation programmes to well-being for its students.

6.12 Activities and support from the Parent – Teacher Association

- Department organizes PTM (Parent Teacher Meet) and take regular feedback from the parents. Parents are in the Departmental committees such as Anti-ragging etc.

6.13 Development programmes for support staff

- Provide regular computer training programmes for the staff.

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

- Massive plantation
- Polythene free campus

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.

- ICT enabled classrooms.
- Online form submission through MP Online portal.
- WiFi Connectivity in campus
- 1000 plants are planted in the premises. Centre Plaza and backside lawn is also full of plants. It makes department environment friendly for the students, staff and faculty.
- Polythene Free Campus: It is not allowed to use polythenes withing the premises.

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

01	Activities reflecting the goals and objectives of the institution	a. Regular teaching with teaching aids b. Syllabi coverage: 100 % and full promotion of research activities c. Provide concepts to crack various competitive examinations.
02	New academic program initiated (UG and PG)	PGDCA has been initiated
03	Innovations in curricular design and transaction	Student feedback was considered to update the syllabus. Student feedback was taken after every six months, in May and in December.
04	Inter-disciplinary programmers started	<ul style="list-style-type: none"> • School of Electronics, Computer Science & IT, and IET collaborate in running interdisciplinary courses like: <ol style="list-style-type: none"> 1. Spatial Information Technology, 2. Mobile Computing 3. Embedded Systems. • Subjects like communication skills, English, Accounts, Entrepreneurship, Environment Awareness, Physics etc. are part of curriculum. Classes of English Language Lab, personality development, interviewing skills etc. are conducted every semester.
05	Examination reforms implemented	Semester system is followed and the answer sheets were shown to the students after evaluation.

06	Candidates qualified NET/SLET/GATE etc.	GATE: 4 NET: 02
07.	Initiative towards faculty development programme	14 faculty members attended FDPs.
08	Total number of seminars/workshops conducted	10 <ul style="list-style-type: none"> • One day workshop on “Software Requirements” was conducted by Mr. Nirmal Iyengar. • Seminar on IT Security & Ethical Hacking by Jafar Hasan (APPIN Technology Lab, Indore), February 11, 2016. • Lecture on Campus to Corporate by Mr. Sandeep Atre (CH Edge Makers), February 3rd, 2016. • Seminar on Inward bound: Leadership journey to develop self by Shilpa Jhawar, January 30, 2016. • SPIC MACAY Programme by Pandit Ajay Pohankar, world renowned Vocalist (Hindustani Music), Shri Ramendra Singh Solanki on Tabla, and Dr. Vivek Bansod on Harmonium, January 20, 2016. • Expert Talk on “Knowledge Representation, Requirements Engineering and Career Guidance” SPEAKER Ms. Richa Sharma, Shiv Nadar University, NCR, Delhi • Lecture by Brigadier Rajesh Chaba in Induction Programme • “Emerging trends in IT” by HCL Corp. • “Mobile Computing” by Dr. H.M. Gupta • Lecture on Terrorism in 21st Century by retd. Maj. Gen. Shekatkar, January 16, 2016.
09	Research projects a) Newly implemented b) Completed	M.Tech. students are motivated to accomplish research projects during their project phase. Ph.D. and M.Tech. students are therefore able to publish research papers in peer reviewed journals and international conferences.
10.	Patents generated if any	None
11.	New collaborative research program	Research Collaborations <ul style="list-style-type: none"> • Collaboration with Prof. Hemant Jain, University of Wisconsin, Milwaukee on Text Mining & Health Informatics (So far four telephonic meetings on skype and daily mail exchanges in the last semester)
12.	Research grants received from various agencies	Grant from SAP awaited
13.	Citation index of Faculty members and impact factor	Dr. Ugrasen Suman (H Index 12)

14	Honors/Awards to the faculty	Nil
15	Internal resources generated	Self finance Courses started <ul style="list-style-type: none"> • BCA • MCA (Integrated) • M.Sc. (Information Technology) • MBA(Computer Management)
16	Details of departments getting SAP, FIST, etc assistance/recognition	SAP grant is awaited
17	Teachers and officers newly recruited	07 on contract
18	Teaching-Non-teaching staff ratio	1:1
19	Improvements in the library services	The School of Computer Science department library is fully automated library. It has 16,598 text books & reference books are available in the library. All the books of library are bar-coded and secured with RFID tags. RFID antennas are installed in the main entrance. SOUL 2.0 software is used for library automation. 1100 e lecture CDS with CD disk storage systems are available for all the member of the department. There are Six person/employee are working in the Library. Four books are provided to each students for 5 days. Three books are provided to SC/ST students category upto full semester. Total area of the library (in Sq. Mts.) is 575.05 Sq. Mts. The area is organized as Book Collection Room, Study Room, Project Report room, Book Circulation Counter, Book acquisition section, process section. The first floor contains Personal Reading Book section.
20	New books/journals subscribed and their Value	The library subscribes to 16 computer related magazines and 5000 e-journals. The library has a budget of Rs. 5 lacs/year
21	Courses in which Student Assessment of Teachers is introduced and the action taken on student feedback.	Feedbacks are taken from students of all classes on regular basis. Feedbacks are analyzed and suitable measures are taken for further improvement. The feedback from selected students for every subject is taken and analyzed. The analysis results are communicated to the Head and the faculty member. A workshop is held every semester and all the faculty members present their strength and weakness in front of the committee. The faculty members use the results of the feedback for the improvement in the next semester.

24.	<p>Unit Cost of Education.</p> <p>Unit cost = total annual expenditure budget</p> <p>(Actual) divided by the number of students enrolled.</p>	<p>expenditure / students</p> <p>=</p>
25.	<p>Computerization and Administration and the process of Admissions and examination, result issue of certificates.</p>	<p>Our department library is fully computerized.</p> <p>M.Tech- students are admitted through GATE Score > 90 percentile</p> <p>M.Sc. (CS/IT)/ BCA/ MBA(CM) – Students admitted through Departmental Entrance Test/ Common Entrance Test (CET)</p> <p>MCA- Students admitted through MP VYAPAM</p> <p>PhD- Students are admitted through Doctoral Entrance Test (DET) conducted by the University.</p> <p>Admissions are strictly on the merit basis in the entrance test.</p> <p>The administrative office includes reception area, office area and record keeping room. School has an Examination control room which facilitates record keeping of various examination’s details and mark-sheets of students.</p>
26.	<p>Increase in the infrastructural facilities.</p>	<p>The lecture rooms are spacious and well ventilated. Each lecture hall is well equipped with white and black board out of which some are equipped with multimedia projectors. Dr. A. K. Ramani Memorial Hall has 240 seats and is used for organizing lectures, conferences and workshops by our department as well as other UTD’s. Around 15-20 conferences/seminars and workshops are held every year. The lectures by eminent speakers are conducted for the benefit of the students and faculty members.</p> <p>Additional English language lab equipped with microphones and Clarity software are provided to students of all classes.</p> <p>Computer Labs: 06</p> <p>Servers: 05</p> <p>No. of computers: 241</p>

		<p>Internet and wifi facility : Enabled on all computers</p> <p>Multimedia Lecture theatres: 02</p> <p>Multimedia enabled faculty meeting hall: 01</p> <p>Projectors: 04 working</p>
27.	Technology up gradation.	<p>The school has more than two hundred and twenty computers which are made use of by both students and staff. The computer laboratories are well equipped and carefully maintained. They are categorized as Research Lab, Programming Lab-1, Programming Lab-2, Database and Data mining Lab, Networking Security Lab, Electronics Lab and Language lab. There is adequate facility for the students to perform all prescribed experiments and do project work. All the Pentiums are equipped with high computing speed and internet access capability. These facilities are in the continuous process of up gradation and augmentation. The computing facility and the software licenses support the laboratory experimentation in the subjects like RDBMS, Internet & Web technology, Artificial Intelligence, Computer Graphics, Software Engineering, Systems Programming, Data Warehousing & Data Mining, Object Oriented Analysis & Design, JAVA, .NET, & Computer Networks etc. to cater to the need of IT industry. The students are exposed to good projects during their project training. All the faculty members are provided with individual PC's, internet facility and the printer.</p>
28	Computer and internet excess and training to teacher and students.	<p>All desktops given to faculty and students are internet ready through 1 GBPS bandwidth available from IT Centre. Restricted internet access for students through security tools to preserve bandwidth for academic purposes.</p> <p>Total number of class rooms: 09</p> <p>Class rooms with ICT facility: 05</p> <p>Students' computer laboratories: 07</p> <p>Students' electronic laboratories: 01</p> <p>Research laboratories: 03</p>
29.	Financial aid to	3. Scholarship and fee reimbursement to ST/SC and OBC through State Government

	students.	<p>4. Three M.Tech. courses with specialization in 1. Computer Science, 2. Network Management & Information Security and 3. Software Engineering & Information Architecture run by the department are AICTE approved. All students taking admission in these M.Tech. courses in 2012-14 batch are GATE qualified and received Rs. 12400/- per month as stipend as and when it is received from AICTE.</p> <p>5. One student received scholarship from minority cell and three students receive financial assistance from the community they belong to.</p> <p>6. List of students given financial support by the university under earn-while-learn scheme and help in various library and office related activities:</p> <ol style="list-style-type: none"> 1. Mr. Sanjay Bhardwaj (M.Sc. CS) 2. Mr. Ashish Gupta (MCA)
30.	Activities and support from the Alumni Association.	<p>Department organizes career counseling, soft skill development, career-path-identification, and orientation programmes to well-being for its students.</p> <ul style="list-style-type: none"> • Expert Lecture on “Knowledge Representation, Requirements Engineering and Career Guidance” by Ms. Richa Sharma, Shiv Nadar University Delhi, October 2015.
31.	Activities and support from the parent Teacher Association.	Department organizes PTM (Parent Teacher Meet) and take regular feedback from the parents. Parents are in the Departmental committees such as Anti-ragging etc.
32.	Health Services.	Students are provided Health Centre facility by the University.
33.	Performance in sports activities.	<p>Students participated in Inter Departmental Sports activities.</p> <p>List the range of sports, cultural and extracurricular activities available to students: The department conducts an annual function, where sports, cultural and extra curricular activities are held. Also, the activities are conducted at university level. The facilities available in department: table tennis, Badminton, Cricket & Chess. University Level facility includes Lawn tennis, Athletic ground, basket ball & gymnasium.</p> <p>Sports and extracurricular calendar and details of students’ participation. Department organizes sports and cultural activities once in a year. Also University announces calendar for these activities where our students participate actively.</p>
34.	Incentives to outstanding sports persons.	We have given free hands to students deciding about schedule of class tests and semester examinations as per their convenience.
35.	Students achievements and awards.	Placed in various MNCs and Government Sectors.

36.	Activities of the Guidance and Counseling Units.	<p>Discussion with students and research scholars is held to provide information and to encourage them in various scientific activities during regular student teachers meetings.</p> <p>The department has following Committees for various student services :</p> <ul style="list-style-type: none"> • The Academic Planning Committee • Student Co-curricular & Committee • Result & Examination Committee • Assessment & Research Committee • Laboratory & Infrastructure Development Committee • Library Development Committee • Students Clubs • Discipline, Grievances and Complaints cell
37.	Placements services provided to student.	One teacher is placement officer, who provide the counseling regarding placements.
38.	Development programmes for Non- teaching staff.	Provide regular computer training programmes for the staff.
39.	Healthy practices of the institution.	<p>Regular and quality teaching</p> <p>Active participation in research activities</p> <p>Departmental harmony in working ambience.</p> <p>For quality assurance, self analysis and feedback from students was practiced.</p>
40.	Linkages developed with National/ International, Academic/Research bodies.	Collaborations and MOUs exist (as mentioned above).
41.	Any other relevant information the institution wishes to add	Department works for the overall development of the students through regular teaching and discussion with the students.

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

- Active participation in research activities
- For quality assurance, self analysis and feedback from students was practiced.

**Provide the details in annexure (annexure need to be numbered as i, ii,iii)*

7.4 Contribution to environmental awareness / protection

- Massive plantation around the campus
- Polythene free campus

7.5 Whether environmental audit was conducted? Yes No

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

Nil

8. Plans of institution for next year

- Initiate SAP-Univ alliance
- Initiate collaboration with IBM and Microsoft for ICT related activities
- Acquire 60 new desktops under SAP II & self finance funds
- Create state of art IT infrastructure with latest softwares like Weka, Linux, Scilab and other open source softwares.

Name *Dr. Deepak Abhyankar*

Name *Dr. S. Tanwani*

Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC

_____***_____