



Evaluative Report of the Department

1. Name of the Department: **Computer Science & Information Technology**
2. Year of establishment: October 2006
3. Is the Department part of a School/Faculty of the university?: Yes
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.):
B.Tech (CS), Integ. M.Tech (CS), MCA, Ph.D (CS)
5. Interdisciplinary programmes and departments involved:
M.Sc (Mathematics), B.Sc (Mathematics, Computer Science, Chemistry, Physics)
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : NA
7. Details of programmes discontinued, if any, with reasons: NIL
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: Semester
9. Participation of the department in the courses offered by other departments: Yes (B.Sc and all other PG courses in the University as Fundamentals of Information Technology is a mandatory subject in Ist semester).
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others):

	Sanctioned	Filled	Actual (including CAS& MPS)
Professor	1	1	
Associate Professors	2	1	
Asst. Professors	13	13	
Guest Faculty	2 (Assistant Professors)		

Note: Information updated as on January 7, 2015

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil./MTech. students guided(last 4



					years)
Prof. Abdul Wahid	Ph.D	Professor, Head of the Department	Theory of Computation, Compiler Design	14+	36
Dr. Pradeep Kumar	Ph.D	Associate Professor	Software Reliability Engineering, Soft Computing	11+	25
Mrs T. Arundhathi	M.Tech(CS),NET	Assistant Professor	Object Oriented technologies, Data base management concepts, Data Mining.	10+	
Mr. Bonthu Kotaiah	M.C.A, M.Phil, NET	Assistant Professor	Software Engineering, Neural Networks, Fuzzy Systems	3	
Dr.Khaleel Ahmad	Ph.D	Assistant Professor	Information Security, Cryptography, Cloud Computing	2	4
Mrs.Khaleeda Afroaz	M.Tech.(CS),NET	Assistant Professor	Data Structures, Computer Networks	2+	
Dr. Alimuddin	Ph.D(Chemistry)	Assistant Professor	In Organic Chemistry, Analytical Chemistry	7+	
Mr. A. Talha Siddiqui	M.Tech	Assistant Professor	Information Security, Cryptography, Mobile Computing	2+	
Mr. Mohd. Omar	M.Tech	Assistant Professor	Software Engineering, Software Testing and Quality Assurance	7+	
Mrs. Afra Fathima.	M.Tech	Assistant Professor	Computer Networks Network Security Operating Systems	7+	
Mr. Mohd. Rafeeq	M.Tech(Mechanical)	Assistant Professor	Engineering Mechanics Engineering Graphics Basic Electrical Engg.	2	
Dr. Muqem Ahmed	Ph.D	Assistant Professor	Semantic Web Applications, DBMS	3+	



Mr. Mohammad Islam	M.Tech	Assistant Professor	Artificial Intelligence, Distributed System	7+	3
Mr. Jameel Ahamed	M.Tech.	Assistant Professor	Computer Networks. Data Communication.	1+	
Mrs. Geeta Pattun	M.Tech	Assistant Professor	UML, DBMS. Computer Networks.	6+	3
Mr. Mohatesham Pasha Quadri	M.Tech	Assistant Professor	ITB,MIS, WebTechnology, JAVA, ASP.Net,C# and VB	1+	1

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors :
- Professor Abul Hasan Siddiqui, Formerly PVC, AMU, Aligarh.
 - Professor P.R.K Murthy, Retd. Professor, HCU, Hyderabad.
13. Percentage of classes taken by temporary faculty – programme-wise information :
- MCA-20%,
 - B.Tech-M.Tech (Integrated Program)-10%

14. Programme-wise Student Teacher Ratio

Program	Student-Teacher Ratio
B.Tech-M.Tech	1:11
MCA	1:11

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual :

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	1	1	0	2
Technical Staff	2	1	0	4

16. Research thrust areas as recognized by major funding agencies:
Some of major research areas include Web Based Engineering, Software Testing, Information Security, and Opportunistic Network security.



17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

A proposal for minor and major project has been submitted to UGC. The present status is under review.

Details regarding major project on Secure Routing in Opportunistic Network using Mixnet : 1

	Completed	Ongoing	Sanctioned	Submitted to UGC
Number				1
Outlay in Rs. Lakhs				20 Lakhs

Details regarding minor project on Information Security Assurance Awareness Toolkit (iSAAT): 2

	Completed	Ongoing	Sanctioned	Submitted to UGC
Number				2
Outlay in Rs. Lakhs				2*5=10 Lakhs

18. Inter-institutional collaborative projects and associated grants received : -
 a) National collaboration: NIL b) International collaboration: NIL
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received :
 NIL (Have submitted and waiting for approval): -
20. Research facility / centre with
- **national recognition**
21. Special research laboratories sponsored by / created by industry or corporate bodies : Not applicable
22. Publications:
 Details on research publications:

	International	National	Others
Peer Review Journals	25	7	5
Non-Peer Review Journals	0	0	0
e-Journals	0	0	0
Conference proceedings	20	1	0



Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

Research funds sanctioned and received from various funding agencies, industry and other organisations: Department will initiate the same soon.

Prof. Abdul Wahid

- * Number of papers published in peer reviewed journals: 27
- * Chapters in Books: 08
- * Edited Books : -
- * Books with ISBN with details of publishers: HTML Basics, Pub. Vikas Publications

Mr. Mohd Omar

Book chapters: 01

- * Impact Factor – range / average: 0-2

23. Details of patents and income generated : NIL
24. Areas of consultancy and income generated : NIL
25. Faculty selected nationally / internationally to visit other laboratories / institutions /industries in India and abroad :-
 - a) Professor Abdul Wahid
26. Faculty serving in
 - a) International/ National committees = 03
 - b) International/ National technical committees/ Societies = 14
 - c) Editorial Boards = 5

Faculty Name	National/International Technical Committees/Societies
Prof. Abdul Wahid	<ol style="list-style-type: none"> 1. Member of Scientific and Technical Committee & Editorial Review Board, World Academy of Science, Engineering and Technology (www.waset.org). 2. Membership of Society of Digital Information and Wireless Communications (SDIWC) Membership No: 4902 3. Membership of Institution of Electronics and Telecommunication Engineers (IETE), New Delhi 4. Lifetime Member of India Society for Technical Education (ISTE) Membership No: 75505
Dr. Pradeep Kumar	<ol style="list-style-type: none"> 1. Member of IEEE, USA. 2. Member of ACM, USA. 3. Life Membership of International Association Engineers (IAENG, Hong Kong). 4. Life Membership of International Association of Computer



	<p>Science and Information Technology (IACSIT), Singapore.</p> <p>5. Life Membership of Computer Science Teachers Association (CSTA), USA</p>
Dr.Khaleel Ahmad	<ol style="list-style-type: none"> 1. Life Membership of Indian Society for Technical Education (ISTE), India. Membership No: LM 71999 2. Life Membership of Cryptography Research Society of India (CRSI), India. Membership No: L/388 http://www.crsind.com/members.html 3. Life Membership of International Association Engineers (IAENG, Hong Kong). Membership No: 107176 4. Life Membership of International Association of Computer Science and Information Technology (IACSIT), Singapore. Membership No: 80339566 5. Global Member of Internet Society (H.O.: USA & Switzerland). Registration No: 270981 6. International Association of Online Engineering (IAOE), Austria. ID: 359 7. Life Membership of Universal Association of Computer and Electronics Engineers (UACEE). Membership ID: A7800631 8. Life Membership of Computer Science Teachers Association (CSTA), USA Membership No: 6663278
Mr. A. Talha Siddiqui	Membership of The Society of Digital Information and Wireless Communications, www.sdiwc.net .
Mr. Mohd. Omar	Membership of The Society of Digital Information and Wireless Communications, www.sdiwc.net .
Mrs. Afra Fathima.	Membership of The Society of Digital Information and Wireless Communications, www.sdiwc.net .
Dr. Muqeem Ahmed	Membership of The Society of Digital Information and Wireless Communications, www.sdiwc.net .
Mr. Mohammad Islam	<ol style="list-style-type: none"> 1. Life Membership of Universal Association of Computer and Electronics Engineers (UACEE). 2. Life Membership of Computer Science Teachers Association (CSTA), USA 3. Life Membership of International Association Engineers (IAENG, Hong Kong). 4. Life Membership of International Association of Computer Science and Information Technology (IACSIT), Singapore.



Mr. Jameel Ahamed	Membership of The Society of Digital Information and Wireless Communications, www.sdiwc.net .

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs) :

- a) Organised one day workshop on Information Security Education Awareness (ISEA).
- b) Conducted one day seminar on career guidance
- c) Organised one week FDP on rational rose software in collaboration with IBM.

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects : 95%
- percentage of students doing projects in collaboration with other universities /industry / institute : 5%

29. Awards / recognitions received at the national and international level by

- Faculty
 - a) AKGEC-Best Faculty Award for various courses : Prof Abdul Wahid
 - b) ABES-Director's award for significant contributions: Dr. Pradeep Kumar

30. Seminars/ Conferences/Workshops organized and the source of funding (national /international) with details of outstanding participants, if any:

- a) Workshop on Information Security was organized in collaboration with C-DAC Hyderabad wherein the number of participants was more than 200. The workshop was funded by C-DAC Hyderabad.
- b) Workshop on RSA (Rational Suite Architect) was organized in collaboration with IBM Hyderabad wherein more than 70 participants corresponding of faculty members, dignitaries and students were present.

31. Code of ethics for research followed by the departments :

The Department of CS&IT at MANUU is imbining the ethics and etiquettes by motivating the students as well as faculty to holistically follow the code of ethics for any research work carried out within the department. In order to carry forward the legacy of the department of CS&IT different tools for checking the plagiarism are used to ensure the quality of the research work. All the students and faculty members in Department of CS&IT are committed to carry out research for the betterment of society in general and development of nation in particular.



32. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.Tech-M.Tech (CS)	450	50	NIL	-	-
Lateral B.Tech-M.Tech (CS)	49	7	3		
MCA	90	29	01	100%	100%
Ph.D	76	01	01	-	-

33. Diversity of students:

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of Students From Other Countries
B.Tech-M.Tech	17%	0%	83%	0
PGDIT/MCA	0%	22%	78%	0
Ph.D	0%	34%	66%	0

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. :

MCA-2014 passed out students			
S.No	Name of the Student	Name of the Organization	Designation
1.	Saqib Ahsan	E-Life It Solutions Hyderabad	Programmer
2.	Yusuf Jamal	E-Life IT solutions	Programmer
3.	Abdul Aleem	Intex Services	Developer
4.	Shehrani Nazni	Bihar	IT Teacher
5.	Mohammed Khaled	Archino Delhi	SQL Programmer
6.	Mohd Fayaz	Tech Mahindra	Arabic Translator
MCA-2013 passed out students			
7.	Mohammed Wajid	Web Life Solutions	Programmer
8.	Mohd Ilyas	Munsif TV Channel	Network Administrator
9.	Pathan Mehra Jahan	MANUU	Assistant Professor (Contractual)



PGDIT passed out students			
10.	SMD. Riyaz	Al Jauf Univesity Saudi Arabia	Lecturer
11.	Abdul Rahman Majid	Ashraful Uloom	System Administrator

35. Student progression

Student progression	Percentage against enrolled
UG to PG	The M.Tech-B.Tech (6 years) course was started in 2012 and no batch has passed as on date. The department is a new department therefore the percentage will be improved in the near future.
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	
Campus selection-25%	Performance will improve in the near future as soon as the Ist Batch of integrated B.Tech-M.Tech) program pass-out.
Other than campus recruitment- 75%	
Entrepreneurs	The department will soon be submitting a detailed proposal for promotion of entrepreneurship

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	NIL
from other universities within the state	08
from other universities from other states	08
universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period :

Most of faculty members in the department have been appointed in 2014.

38. Present details of departmental infrastructural facilities with regard to

- a) Library: Establishment of Departmental Library is under process.
- b) Internet facilities for staff and students : 24X7 Wi-Fi enabled Campus with 1 GBPS.
- c) Total number of class rooms : 05
- d) Class rooms with ICT facility : 02
- e) Students' laboratories : 03
- f) Research laboratories : **01**



39. List of doctoral, post-doctoral students and Research Associates
- from the host institution/university : The department is a new department therefore the percentage will be improved in the near future.
 - from other institutions/universities : 03
40. Number of post graduate students getting financial assistance from the university. :
- 83 MCA students and 01 PhD student.
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. Yes
- Different meetings of faculty members were organized to deliberate on the possibility for new programs. After iterative meetings a proposal was prepared to introduce 06 years B.Tech-M.Tech (computer Science) program in Department of CS & IT.
 - The proposal was discussed at length in the meeting with members of the Board of Studies.
 - The proposal was further discussed and deliberated in different School Board meeting.
 - The proposal was finally approved by the Academic Council and incorporated in the academic programmes.
42. Does the department obtain feedback from
- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes
 - To enhance the teaching learning process through quality circle meeting by taking proper feedback of the corresponding theory and Lab courses.
 - students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes
 - The feedback from the students is used to improve the pedagogy for making the learning process innovative and effective.
 - To improve the quality of teaching learning process, both quantitative and qualitative measure is applied.
 - alumni and employers on the programmes offered and how does the department utilize the feedback? Yes
 - The feedback from alumni is used to improve the curriculum in order to make it effective to the demand of the Industry.
 - With the help of alumni association the students are provided with proper technical and other necessary training and placement benefits.



43. List the distinguished alumni of the department:-

MCA-2014 passed out students			
S.No	Name of the Student	Name of the Organization	Designation
1	Saqib Ahsan	E-Life It Solutions Hyderabad	Programmer
2	Yusuf Jamal	E-Life IT solutions	Programmer
3	Abdul Aleem	Intex Services	Developer
4	Shehrani Nazni	Bihar	IT Teacher
5	Mohammed Khaled	Archino Delhi	SQL Programmer
6	Mohd Fayaz	Tech Mahindra	Arabic Translator
MCA-2013 passed out students			
7	Mohammed Wajid	Web Life Solutions	Programmer
8	Mohd Ilyas	Munsif TV Channel	Network Administrator
9	Pathan Mehra Jahan	MANUU	Assistant Professor (Contractual)
PGDIT passed out students			
10	SMD. Riyaz	Al Jauf Univesity Saudi Arabia	Lecturer
11	Abdul Rahman Majid	Ashraful Uloom	System Administrator

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:
- By introducing personality development programmes enhancing soft and technical skills through institute-industry interaction initiatives.
 - Special lectures and guest lectures were organized by the department to enrich student professionally, technically and to equip them with good personality development techniques.
45. List the teaching methods adopted by the faculty for different programmes:
- Interactive teaching and learning using LCD projectors.
 - Introduce Web based learning.
 - Centralized System of Evaluation of Answer Scripts.
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored:
- Through meetings and random checks by Dean, HOD and established committees.
 - By interacting with students and faculty frequently to check the progress.



47. Highlight the participation of students and faculty in extension activities.
- Seminar : 02
 - Workshops : 28
 - FDP's: 03
48. Give details of “beyond syllabus scholarly activities” of the department.
- The faculty introduce value addition contents for the corresponding theory and lab courses.
 - The monitoring committee under the chairmanship of HOD monitors and access the value addition activities.
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. No
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- Through research and development activities
 - Introducing value addition courses.
 - Conducting In-house and industrial training activities.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department :
- Strengths:
- The core competence of the department is its adequate learned faculty members.
 - Sufficient number of laboratories and technical help.
- Weakness:
- To provide the training for diverse students with different backgrounds.
- Opportunities:
- To provide employable skilled manpower as per the local needs and the global standard.
- Challenges:
- To establish strong bondage between the department and Industry.
52. Future plans of the department.
- To promote Research and Development activities by developing various multi-disciplinary research groups such as Web Software Engineering, Soft Computing, Information Security and Human values ethics & etiquettes.
 - To Introduce Web based learning through online courses.



- c. To provide wider access to people for pursuing professional programmes to inculcate entrepreneurial skills through regular mode in the Department of Computer Science & Information Technology.
- d. To setup an **Industry Institute Interaction Cell (IIIC)** to facilitate the Campus placement.
- e. To organise workshops, symposiums, seminars, faculty development programs and conferences in the department to promote computer science based interdisciplinary research.
- f. To establish incubation centre for developing entrepreneurship and promoting start-up with innovative ideas.