

**JNTUA COLLEGE OF ENGINEERING (Autonomous),  
Ananthapuramu**  
**Department of Computer Science and Engineering**  
**Self-Assessment Report (SAR)**  
**(2016-17 to Till date)**

**1. Personal Details**

- a. Name of the faculty : R. RAJA SEKHAR
- b. Father Name : R. VEERAAIAH
- c. Mother Name : D. LAKSHMI KANTHAMMA
- d. Gender : MALE
- e. Date of Birth : 25/05/1978
- f. Category (OC/BC/SC/ST) : BC-D  
(Mention sub category)
- g. Joining Date : 16-11-2006
- h. Current Designation : ASSOCIATE PROFESSOR
- i. Aadhaar No : 464064060414
- j. PAN No : AFUPR8315Q
- k. Residential Address : Flat. No. 208, Anandam Residency, Near Hari Hara  
Devalayam Hari Hara Nagar, Anantapuramu - 515001
- l. Email-id (P) : --
- m. Email-id (O) : drasharaj2002@gmail.com
- n. Mobile : 9966660226
- o.

**2. Qualifications:**

Course	Name of the Institution studied	Name of the University	Year of graduation	% of marks obtained	Division
SSC	Municipal High School, Kurnool	Board of Secondary School Education, Hyderabad, A.P	1993	87	First Class with distinction
Intermediate /Diploma	Government Junior College(town), Kurnool	Board of Intermediate Education, Hyderabad, A.P.	1995	88	First Class with distinction
B. Tech/B.E.	Sri Venkateswra University	Sri Venkateswra University, Tirupati, Chittoor(dt), A.P.	1999	65	First Class

<b>M. Tech/M.E</b>	JNTUH	JNTUH, Hyderabad, A.P. (Erstwhile JNTU, Hyderabad)	2006	73.44%	First Class with distinction
<b>Ph.D.</b>	JNTUA	JNTUA	2017	--	--

### 3. Experience:

Organization	Designation	Duration of Employment		Duration	Nature of Duties
		From	To		
JNTUACE, Anantapuramu	Assistant Professor	01-05-2015	till date	5Years 9months	Teaching
JNTUACE, Kalikiri, Chittoor(Dt)	Assistant Professor	27-10-2013	30-04-2015	18 Months	Teaching
JNTUACE, Anantapuramu	Assistant Professor	02-07-2008	26 – 10 - 2013	39 Months	Teaching
JNTUACE, Anantapuramu	Assistant Professor	16-11-2006	01-07-2008	20Months	Teaching
G. Pulla Reddy Engg. College, Kurnool	Assistant Professor	02-07-2003	15-11-2006	39Months	Teaching
A.I.T.S., Rajampet, Kadapa (Dt)	Assistant Professor	01-09-2001	11-06-2003	21 Months	Teaching
Lucid software Ltd., Chennai	Software Engineer Trainee	01-03-2001	31-10-2001	8 Months	Software
G. Pulla Reddy College of Engineering, Kurnool.	Assistant Professor	03-07-2000	28-02-2001	8 Months	Teaching
NBKRIST, Vidyanagar (po), Vakadu(Md), Nellore (Dt)	Lecturer	23-08-1999	30-04-2000	8 Months	Teaching

### 4. Patents and research projects

#### a. Sponsored Research:

Sl. No	Name / purpose of the project	Sanctioned form DST/UGC/AICTE	Total Sanctioned amount	Status of the project	Total amount spent	Total amount left over	Utilization Certificate (if any)
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#### b. Consultancy:

### c. Patents

SI.No	Name / purpose of the project	Sanctioned form DST/UGC/AICTE	Total Sanctioned amount	Status of the project	Total amount spent	Total amount left over	Utilization Certificate (if any)
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S.no	Name of stream	Department	Obtained / filed	patent registered (National / International )	patent title	patent type (Product/ Process )	Patent Number	Patent Grant Year	Amount (Rs)	Whether (institutional /joint)
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### 5. List of publications: (NC/IC/NJ/IJ)

#### a. International/ National Journals

S. N O	Details of the Publication
1	“Geographical Routing in Intermittently Connected MANETs with Guaranteed Delivery at Void Locations” International Journal of Advanced Research in Computer Engineering & Technology (IJARCET) Vol. 1, Issue 4 On June 2012.
2	“D-LAROD: A Density Based LAROD for Geographical Routing in Intermittently Connected MANETs” International Journal of Electronics and Communication Technology (IJECT) Vol. 3, Issue-1 on Jan – Mar2012.
3	“Improvement of the SARA strategies for MANET model” International Journal of Advanced Research in Computer Engineering & Technology (IJARCET) Vol. 1, Issue 6 on Aug 2012.
4	“ODRS: Optimal data Replication Scheme for Time Efficiency In MANETs” IOSR Journal of Computer Engineering (IOSRJCE) Vol. 5, Issue-1on Sep-Oct 2012.
5	“Evaluating QoSmos Using Markov Decision Process Model” International journal of Advanced research in Computer Engineering & Technology(IJARCET) Vol. 1, Issue – 7 on Sep 2012.
6	“Performance comparison of TCP, UDP and TFRC in static wireless environment” International Journal of Information and Computer Security(Inderscience Publications) Vol: 8 No: 2, ISSN online:171773, ISSN print: 1744-1765 on Aug 2016.
7	“An Efficient Multipath Routing Protocol with Replication for On-demand Video Streaming in MANETs” International Journal of Computer Science and Networks Vol: 5 Issue 3,ISSN: 2277-5420 on June 2016.

8	“An Approach of Handling Packet Loss for Delay Sensitive Video Streaming in MANETs” International Journal Of Engineering And Computer Science Vol: 5 Issue 11, ISSN:2319-7242 on Nov 2016.
9	“Group Based Replica Relocation for On Demand Video Streaming in Manets” IRACST – International Journal of Computer Networks and Wireless Communications Vol: 6 Iss: 4, ISSN: 2250-3501 on Jul-Aug, 2016.
10	“Combined Cross Layer Design for Video Streaming over Mobile Adhoc Networks” International Journal of Advanced Research in Computer Science and Software Engineering Vol: 6 Issue: 10, ISSN: 2277 128X on October 2016.
11	“Adaptive Video Streaming Through Server Driven Rate Control In Manets” International Journal Of Engineering And Computer Science Vol: 5 Issue: 11, ISSN:2319-7242 on Nov 2016.
12	“Generating Correlations among Different Modalities by Using Parallel Processing For Cross- Media Retrieval” International Journal of Scientific Research in Computer Science, Engineering and Information Technology Vol: 2 Issue 4, ISSN : 2456-3307 on Jul-Aug, 2017.
13	“Multipath Routing with Multiple Replica Nodes for On Demand Video Streaming in MANETs” International Journal of Computer Science and Mobile Computing Vol: 6 Issue: 1, ISSN: 2320– 088X on Jan 2017.
14	“Approximate Top-k Queries Monitoring on Document Streams” International Journal of Computer Sciences and Engineering Vol: 6 Issue: 6,E-ISSN: 2347-2693on June 2018.
15	“Investigating The Properties Of Image Falsification Detention Surround Replica And Comparing Various Fusion Schemes” International Journal of Creative Research Thoughts Vol: 6 Issue: 2, ISSN: 2320-2882 on May 2018.
16	“Knowledge Based Keyword-Aware Representative Travel Route Recommendations” Journal of Emerging Technologies and Innovative Research Volume 5, Issue 6, ISSN-2349-5162 on June 2018.
17	“Pruning and Ranking Based Classifier for Efficient Detection of Android Malware”International Journal of Computer Sciences and Engineering Vol.-6, Issue-6, E-ISSN: 2347-2693 on June 2018.

**b. International/ National Conferences:**

S.NO	Details of the Publication
1	“Global Information System Using Pragmatic Number System for habitats” National Conference on Wireless and Mobile Communications, Vardhaman Engg College, Hyderabad on 10 – 11 Mar 06.

2	“QOS Provisioning in IEEE 802.11 WLans Analyzing and Identifying Suitable Priority Scheme” National Conference on Research opportunities and Challenges in IT, Sai Ram Engg, College, Chennai.04 <sup>th</sup> Apr 07.
3	“MIB Object Browser for a Telecom Switch Through SNMP” National Conference on Research opportunities and Challenges in IT, Sai Ram Engg, College, Chennai 04 <sup>th</sup> Apr 07.
4	“Performance Evaluation of IEEE 802.11E” National Conference at Lakshmi Narayana College of Technology, Bhopal on 15 <sup>th</sup> – 16 <sup>th</sup> Apr 07
5	“Landmark Routing In Manets Using Hop Ids” National Conference on Frontiers of computer & Engineering July 1-2, 2009.
6	“Seclusion Location Based Queries in Mobile Environments” International Conference on Electrical Engineering and Computer Science (ICEECS-2012) 12 <sup>th</sup> May, 2012.
7	“Detection and Prevention Of Wormhole Attack In Stateless Multicasting” 1 <sup>st</sup> International Conference on Networks and Cyber Security on Jan 2012.
8	“Efficient Power Aware Communication in Wans to Support Intelligent Transport system” International Conference on Information, Computing and Telecommunications(ICICT) on Apr 2012.
9	“Dynamic Routing Protocol for Guaranteed Data Delivery in Wireless Sensor Networks” ICACT-2013, International Conference on 21 <sup>st</sup> & 22 <sup>nd</sup> Sep 2013.
10	“Allocation of Resource through Online Mobile-Edge Cloud Computing” International Journal of Scientific Research and review vol-07, Issue 09 on 6 <sup>th</sup> -7 <sup>th</sup> September 2019 .
11	“Resource augmentation in Mobile Cloud Computing by deliberating both Energy and economy” International Journal of Scientific Research and review vol-07, Issue 09 on 6 <sup>th</sup> -7 <sup>th</sup> September 2019

**c. Book/Book Chapters:**

S.NO	Title of Book/Chapter	Name of the Publication, edition and year	Book / Book Chapter
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**6. Workshops/Training Programs/FDPs attended and Organized (for the last three years):**

**a. Workshops Organized**

S.No	Workshops	Place	Duration
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## b. Workshops Attended

S.No	Workshops	Place	Duration
1	Awareness and Sensitization workshop on UMANG & DigiLocker	Vijayawada 11 <sup>th</sup> -12 <sup>th</sup> February 2020	2 days
2	21 <sup>st</sup> Century Teaching Strategies	JNTUA, Anantapuramu 16 <sup>th</sup> September 2017.	1 day
3	NKN at the core of Cyber Space (NKN Annual Workshop 2015)	JNTUH, Hyderabad and National Informatics Center, India. 21-22 January 2016.	2 days
4	Innovations in Technology One day workshop	JNTUA, Anantapuramu. 9 <sup>th</sup> Dec 2015	1 day
5	Cyber Security	JNTUACE, Anantapuramu 8 <sup>th</sup> Oct 2015.	1 day
6	Awareness on IT/ITES Job Roles & Big Data Analytics	JNTUACE, Anantapuramu 20 <sup>th</sup> Aug 2015.	1 day
7	Awareness on Creating Centers of Excellence.	JNTUA, Anantapuramu 26 <sup>th</sup> June 2015.	1 day
8	Bharat Operating System Solutions (BOSS) – Minimalistic Object Oriented Linux (MOOL).	CDAC & JNTUA, Anantapuramu 16-17 Oct 2014.	2 day
9	Technology Enhanced Learning through NMEICT-Implementation of spoken Tutorial Project.	(JNTUA & IIT Bombay) At JNTUACE, Anantapuramu 10 <sup>th</sup> July 2014.	1 day
10	Network Simulation for MANETs, VANETs and Sensor Networks using NS2.	Vellore Institute of Technology, Chennai, T.N. 8 <sup>th</sup> – 9 <sup>th</sup> Mar 2014.	2 day
11	Recent Trends in Networking and Security.	JNTUACE, Anantapuramu 15-16 Nov 2013.	2 day
12	Developing Ns-2 for Network Simulation	Held at VIT University, Vellore 27-29, Jan 2012	3 days
13	Market-Oriented Cloud Computing And The Aneka Platform	Held at JNTUA College Of Engineering, Anantapuramu 27 <sup>th</sup> Dec 2011	1 day

14	MISSION 10X	Intell College of Engineering, Anantapuramu 27 <sup>TH</sup> APR TO 1 <sup>ST</sup> MAY-09	5 days
15	Embedded Systems And Technology	JNTUACE, Anantapuramu 29 <sup>TH</sup> TO 30 <sup>TH</sup> DEC 2008	2 days
16	Pedagogical Training in Engineering Education	Engineering Staff College of India, Hyderabad 22 <sup>nd</sup> Sep to 04 <sup>th</sup> Oct 2008	2 Weeks
17	Computer Network Simulation	Basaveshwar Engineering College, Bagalkot, Karnataka 21 <sup>st</sup> Feb to 23 <sup>rd</sup> Feb, 2008	3 Days
18	OOAD using UML with fundamentals of Rational Rose	JNTU College of Engineering, Anantapur 02 <sup>nd</sup> Apr to 04 <sup>th</sup> Apr , 2007	3 Days
19	Methods of Improving Teaching Skills By NITTR, Chennai.	G.P.R.E.C, Kurnool. 22 <sup>nd</sup> – 24 <sup>th</sup> March 2006	3 days
20	Soft Ware Testing Tools	G.N.I.T.S, Hyderabad. 25 <sup>th</sup> - 26 <sup>th</sup> March 05	2 days
21	Guidance to Faculty aspiring to do doctorate in Computer Science	G.N.I.T.S, Hyderabad. 16 <sup>th</sup> July 2005	1 day
22	National Workshop on Wireless Technologies	G.P.R.E.C., Kurnool 15 <sup>th</sup> & 16 <sup>th</sup> Dec 05	2 days
23	Improving Teaching Skills organized by TTTI, Chennai.	G.P.R.E.C, Kurnool 16 <sup>th</sup> – 18 <sup>th</sup> March 2004	3 days

### c. Training Programs/FDPs Organized

S.No	Training Programs/FDPs	Place	Duration
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### d. Training Programs/FDPs Attended

S.No	Training Programs/FDPs	Place	Duration
1	AICTE ATAL Academy “Developing consciousness”( Transcendental Meditation)	Online JNTUA, Anantapuramu	22-9-2020 to 26-9- 2020
2	AICTE ATAL Academy “Stress Management”	Online Urdu University Hyderabad	2-11-2020 to 6-11- 2020
3	Soft Skills and Personality Development	JNTUA Anantapur	10-14 December 2018
4	Data Analytics using R	IIT Kharagpur	20-26 November 2017

5	Big Data Analytics	JNTU Anantapur	20-2-2017 to 22-2-2017
6	Embedded Real Time Systems	NIT Warangal, Department of ECE & JNTU Anantapur	1-2-2017 to 10-2-2017
7	Faculty Development Programme on Entrepreneurship	DST-NIMAT Entrepreneurship Development Cell, JNTUHCEH & JNTUACEA	2 weeks 6 <sup>th</sup> Jul 2015 to 18 <sup>th</sup> Jul 2015
8	Advanced Wireless and Mobile Network Technologies	National Institute of Technology, Warangal, A.P	1 week 3 <sup>rd</sup> – 7 <sup>th</sup> Oct 2013
9	Advanced Topics In Data Warehousing And Data Mining	JNTUH College Of Engineering, Hyderabad	3 <sup>rd</sup> Dec To 23 <sup>rd</sup> Dec 2009(20 Days)
10	Pedagogical Training In Engineering Education	Engineering Staff College Of India, Hyderabad	22 <sup>nd</sup> Sep To 04 <sup>th</sup> Oct 2008(12 Days)

**e. Keynotes/ Session Chairs/ Seminars: --**

**7. Academic Details**

**a. Subjects courses taken/Labs**

Academic year	I Sem	II Sem
2016-17	M.Tech –Computer Algorithms. M.C.A II year- Design and Analysis of Algorithm. M.C.A II year- AA Lab.	M.C.A I year- Automata Theory. M.C.A II year- DBMS Lab.
2017-18	M.Tech Data Structures and Data Bases Lab.	M.C.A I year- Automata Theory.
2018-19	M.C.A II Year- MOOC	M.C.A I year II sem Automata Theory
2019-20	M.C.A III Year- I sem MOOC- Introduction to Internet of Things	M.C.A I year II sem Automata Theory

**b. B. Tech Projects Guided**

S.No	Admission No	Title of the Project	Year



### c. M.Tech Projects Guided

S.No	Admission No/Name	Title of the Project	Year Completed
1	M. Rohit	A Novel Approach for Attribute Revocation to Achieve Information Confidentiality in Cloud Services	2019
2	K. Deepa	A Novel Sentimental based Semantic Search of Cloud Encrypted Data	2019
3	P. Sirisha	Resource Augmentation in Mobile Cloud Computing by Deliberating both Energy and Economy	2019
4	M. Yuvaraj Naik	Allocation of Resources Through Online Mobile-Edge Cloud Computing	2019
5	G. Kavitha	Knowledge Based Keyword Aware Representative Travel Route Recommendations	2018
6	B. Mounika	Approximate Top K Queries Monitoring on Document Streams	2018
7	R. Uma Maheshwari	Pruning and Ranking based Classifier for Efficient Detection of Android Malware	2018
8	T. Manohar Reddy	Algorithm for 2-Vertex connectivity in Directed Graphs	2017
9	R. Srikanth Reddy	Generating Correlations among Different Modalities by using Parallel Processing for Cross Media Retrieval	2017
10	C. Kodaiah	Clustering of High Dimensional Data Streams by implementing HPStream Method	2017
11	C. Jaya Prakash	Secure Digital Cash Payment through Coin Management	2017
12	Y. Vijay Babu	Adaptive Video Streaming Through Server Driven Rate Control in Manets	2016
13	N. Kiran Kumar	Load Balancing for Video Streaming in Multiple Access Networks	2016
14	Y. Mahanandi	Improving Performance of Video Streaming by Reducing Routing Overhead in Mobile Ad-hoc Networks	2016
15	R. Ruhina	Identity Based Secure and Flexible Data Sharing in Cloud based Smart Grid	2016
16	G. Nirmala	Combined Cross Layer Design for Video Streaming over Mobile Adhoc Networks	2016
17	Y.Md. Inayathulla	An Approach of Handling Packet Loss for Delay Sensitive Video Streaming in MANETs	2016
18	15001D5316	Data Reduction Using A Deduplication Aware resemblance Detection & Elimination Scheme	2016
19	15001D5114	Domain Sensitive Recommendation Using Both User Item Subgroup Analysis & Social Trust Network	2016
20	15001D5122	Modeling Reformulation Queries into Snippets For Improving Automatic Query Expansion	2016
21	15001D5224	Analysis of Scalable Entity Preserving Data Exchange	2016
22	15001D5308	Redundant & Irrelevant Feature Detection System Using Online Feature Selection Algorithm	2016
23	15001D5110	An Embedding Model for Mining Human Trajectory Data with Image Sharing	2016

24	14001D5210	Database Over HTTP: Towards A Generalized Query Approach Using Rest API	2015
25	14001D5319	Extending the CrowdOp (Query Optimization) For Advanced SQL Operators	2015
26	14001D5127	Combining Decision Tree Classifiers Based on Small Subsamples for Big Data Analytics	2015
27	14001D5130	Enhanced Adaptive Metric Learning For Saliency Detection	2015
28	14001D5224	Multi Item Recommendation System Using Re-rank Technique	2015
29	14001D5317	A Framework to Extract Accurate Opinion Phrases from Online Product Reviews using Topical Sentiment Analysis	2015
30	14001D5228	Optimized Balanced Scheduling Based Data Anonymization on Cloud	2015
31	14001D5222	Enhancement of Cure Algorithm Using Map-Reduce Technique With Parallelism	2015
32	14001F0058	Online Library Management System	2015
33	14001F0019	Mobile Application For An Educational Institution	2015
34	14001F0017	Faculty Activities Information System	2015
35	14001F0025	UCS Fee Tracking System	2015
36	13001F0053	University Exam Registration & Hall Ticket Generation	2014
37	13001F0028	Marketing Management System for Silk Products	2014
38	13001F0023	Online Comprehensive Examination System	2014
39	13001F0027	Online E – Farming	2014
40	12001F0036	Efficient Verification of Location-based Skyline Queries	2013
41	12001F0006	Automation of Ration Shop	2013
42	12001F0021	E – Agriculture Management System	2013

#### d. MCA Projects Guided

S.No	Admission No\Name	Title of the Project	Year
1	U. Anil Kumar	Project Monitoring System	2018
2	P. Ramesh	Online Auction Management System	2018
3	T. Siva Sankar	File Management System	2018
4	P. Sireesha	Online Provisional Store	2018
5	B. Omprakash	Online Job Fair System	2017
6	C. Madhava	Transportation Portal	2017
7	V. Dhanunjaya	Online Course Portal for a Campus	2017
8	B. Mohan	Campus Placement Portal for Students	2017
9	P. Manasa	JNTUACEA Sports & Cultural Club	2016
10	P. Vani	Online College Magazine	2016
11	B. Yasoda	Yatra Ananthapur	2016

#### e. PhD scholars

S.No	Admission No	Title of the research work	Research Status
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## **8. Development activities**

### **a. Product Development/ Research laboratories:**

- Established DBMS Lab (Mar 2015) at JNTUACEA, Kalikiri, Chittoor(Dt).

## **9. Administrative works supported:**

- Worked as Head i/c, Dept. of CSE, JNTUACE, Kalikiri, Chittoor (Dt) from Nov 2013 to Apr 2015.
- Worked as in charge for Central Computer Center, JNTUACEA.
- Worked as in charge of UG Lab for CSE Dept., JNTUACEA.
- Working as Officer-in-charge of College Website Maintenance JNTUACE, Anantapuramu from Nov 2015 to 2019.
- Worked as Programming Lab in charge at JNTACE, Kalikiri, Chittoor (dt) from Oct 2013 to Apr 2015.
- Assistant Placement Officer in JNTUACE, Anantapuramu from Sep 2008 to Apr 2012
- Deputy warden for Ellora hostel, in JNTUACE, Anantapuramu from Jul 2007 to Mar 2012
- Worked as UG Lab in charge in JNTUACE, Anantapuramu, in the CSE department from Jun 2007 to May 2012
- Has attended the confidential work for APEAMCET-2016 results processing at JNTUK, Kakinada.
- Acted as Assistant Training and Placement officer during 2008
- Acted as a Deputy Warden for Boys during 2007

## **10. Awards and Rewards: --**

## **11. Social activities (NSS/NCC/Any other):**

- Accompanied in industrial tour of 3<sup>rd</sup>B.Tech CSE Students of JNTUACE, Anantapuramu in 2011
- Accompanied in industrial tour of 3<sup>rd</sup>B.Tech CSE Students of JNTUACE, Anantapuramu in 2009
- Accompanied in industrial tour of 3<sup>rd</sup>B.Tech CSE Students of JNTUACE, Anantapuramu in 2008
- Worked as Coordinator for ICON (students association of CSE students of JNTUACEA) from 2008 to 2013
- Acted as Screening committee member for Cultural activities of students for the college day celebrations of JNTUACE, Anantapuramu from 2008 to 2012