

CURRICULUM VITAE



Dr. V. MAHAMMAD DADA
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Coordinator,
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Communications
Rayalaseema University
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PERSONAL PARTICULARS

Date of Birth : 15-March- 1983
Place of Birth : Madanapalli, A.P., India .

EDUCATION:

2013 : **Ph.D. in Electronics and Instrumentation Technology**(Design, development, construction and testing of PC based automated Liquid Crystal Properties Measurement system), Acharya Nagarjuna University, Guntur- A.P., India.

2006 : **M.Sc., in Instrumentation**, obtained First class with distinctions, Sri Krishnadevaraya University, Ananthpur-A.P., India.

2004 : **B.Sc., in Math, Physics, Computers**, obtained First Class from S.V. University Tirupati-A.P.,India

WORK EXPERIENCE : Total: 13 years

08/2015-Till date : **Assistant Professor & Head of the Department** of Electronics and Communication , Rayalaseema University, Kurnool, A.P., India (**4 years, & 3 years**)

2009 -2015 : **Teaching Assistant** in Dept. of Electronics and Instrumentation, in Acharya Nagarjuna University, Guntur-A.P., India. (**6 years**)

2006 -2009 : **UGC MRP Project Fellow** (Funded by Govt. of India), Acharya Nagarjuna University,Guntur-A.P., India (**3 years**)

12/2005-07/2006 : **Internship oject fellow in Dr. Reddy's Laboratories-** Hyderabad- India. Experienced in Analytical instruments like HPLC, Gas Chromatography, Spectrophotometers(**6 months**)



RESEARCH PROJECTS :

- **Real Time Soil parameters testing system.** Rayalaseema University funded Project-2017. (Principal investigator)
- Design an “ 3D printed and IoT based lamp for smart pooja ” (Principal investigator)

ACADEMIC CONTRIBUTION

- **Internet of Things (IoT) Lab established** and Course curriculum designed for PG Program- in Rayalaseema University-Kurnool-India.
- **3D (Scanning and Printing) Lab Established.** and Course curriculum designed for PG program in Rayalaseema University-Kurnool-India.
- **Mobile APP Lab** established in Rayalaseema University-Kurnool-India.
- **LabVIEW Lab** established and Course curriculum designed for PG program in Acharya Nagrjuna University-Guntur-India.
- **LINUX Lab** started and Lab Manual prepared for PG program in Rayalaseema University-Kurnool-India. .
- **Research Course curriculum** designed for Ph.D., Research programs (Electronics and Instrumentation Technologies) program in Acharya Nagrjuna University-Guntur-India.
- A **MOODLE** web site prepared for various Courses for PG students.
- Carrier opportunities and guidance cell started and acted as Placement member in in Rayalaseema University-Kurnool-India.
- Acted as resource person for **various workshop in field of 3D, IoT and Microcontroller,**
- **Novel** teaching methodologies are adopted (¹SPICES:Independent learning, Interactive learning, Student- centred learning, Problem based learning Vs. problem solving method, Integrated, Community-based, Elective and Systematic.) to make Universities as “Centre of Learning”.

SEMINARS ORGANIZED

- Three Day workshop organized on “ **Google android App development Phase-1**” in Rayaseema University- Kurnool-India. On 1-3 march- 2018
- Two Day National Seminar organized on “Recent Trends in Physics & Electronics” in Rayaseema University- Kurnool-India on 30th & 31st August, 2017.
- One Day Technical session conducted on “**MATLAB**” in Rayaseema University-Kurnool-India on 19-07-2016.
- One Day Technical session conducted on “**VLSI-Technology**” in Rayaseema



University- Kurnool-India on 28-03-2016.

- ▶ A One Day Orientation program Organised on **“Orientation program on career guidance”** in Rayaseema University- Kurnool-India on 26-11-2015
- ▶ Acted as resource person in two day workshop on “internet of things” and 3d Printing On 29-30-Nov-2017 & May-2018 in SilverJubilee college-Kurnool India.

ADMINISTRATIVE POSITIONS

Head/Coordinator of the Department of electronics &Communications,
Rayalaseema University, Kurnool, A.P., India (from 05/2016 - Till date)

UNIVERSITY COMMITTEES (separate list enclosed)

- ▶ Participated in Govt. meetings as **University Representative**
- ▶ Member in **Doctoral Committee Meetings-I** for Rayalaseema University-Kurnool-India.
- ▶ Member in **Doctoral Committee Meetings-II** for Rayalaseema University-Kurnool-India.
- ▶ Member in **Doctoral Committee Viva-voce** for Rayalaseema University-Kurnool-India.
- ▶ Member in **Inspection committee** for affiliation of Colleges-Rayalaseema University-Kurnool- India.
- ▶ Member in **flying squad** committee for UG exams -Rayalaseema University-Kurnool-India.
- ▶ Member in **anti-ragging, Cultural activities committee member** – Rayalaseema University-Kurnool.

RESEARCH GUIDED:

Guided for many M.Sc., students’ in their PG project. And mentorfor Junior Ph.D., and M.Phil., scholars.

SEMINARS/CONFERENCESS ATTENDED

- ▶ Participated in **Indian Science congress-104**, held at Tirupati- 01/2017, as University representative and presented project in Rayalaseema University Stall in Pride of India exhibition.

(**Note: Received great complements from Noble laureate his excellency Prof. Mahammad Yunus**)



- ▶ Participated in **One-week training Program on IoT** application development in cloud platform in MITS- Madanapalli, AP., India-2016.
- ▶ Participated in workshop on **Internet of Things (IoT)**, held in JNTUK- Kakinada as University representative-2016
- ▶ Participated in seminar on **Internet of Things (IoT)**, held in VR Sidhartha Engg College- Vijayawada as University representative-2016
- ▶ Participated in Exhibition (**Internet of Things (IoT)**) in Krishna Pushkaralu, held in Vijayawada as University representative organized by Govt. of Andra Pradesh-India -2017
- ▶ Participated in Seminar on Higher education road map for promotion of **Internet of Things (IoT)**, held in Vijayawada as University representative-2016
- ▶ Training completed on **LabVIEW** in NIT Warangal-2009.
- ▶ Training completed on **3D Printing technology** in 2018 at Added engineering Pvt ltd.

TECHNICAL SYNOPSIS:

- ▶ Strong Knowledge on Internet of Things (IoT).
- ▶ Strong Knowledge on 3D-Printing.
- ▶ Having strong Knowledge on **LabVIEW**
- ▶ Strong Knowledge on Microcontroller **Microprocessors** Based Circuits Design. like 8051 families.
- ▶ **Design and development of Internet of Things (IoT) for smart phone based Instruments.**
- ▶ Strong Knowledge on **Analog, Digital** Circuit Designing.
- ▶ Working knowledge in sensors like Temp, flow, humidity, Load, pH, Pressure, capacitance and strain gauges.
- ▶ Having Good Experience in Functional Prototype Building & Testing the individual Blocks.



- Designed and developed **embedded** applications using **Python, Embedded C, Assembly**.
- Instruments maintenance.

AREAS OF RESEARCH INTEREST:

- Instrumentation with Image processing,
- Artificial Intelligence.
- Internet of Things (IoT),
- 3D- Printing and Scanning. Embedded systems

INTERDISCIPLINARY AREA OF INTEREST:

- Dig data applications.

COURSES TAUGHT:

- Internet of Things (IoT)
- 3D-printing
- Laboratory Virtual Instrumentation Engineers Workbench (LabVIEW)
- Sensors and transducers
- ARM Processor
- Embedded systems ,
- Microprocessors and Microcontrollers 8086, 8051, PIC.
- Instrumentation and Measurement Technology.
- Analytical Instrumentation
- Electrical and Electronics Instrumentation.
- Electronics and Digital electronics.
- C & Python Languages

LABORATORIES HANDLED:

- Internet of Things lab
- 3D Printing and Scanning Lab
- Labview Lab
- Matlab Lab
- Microcontroller and Microprocessor lab (8086, 8051 and PIC16F)
- Embedded Lab (**Raspberry Pi, Arduino based boards**)
- Analog and Digital electronics Lab
- C & Python languages labs
- **Supervisory Skills**
 - Managed group lab sessions and trained undergraduate students.



- Monitored activity of students and ensured safety provisions were used.
- Ordered lab supplies and maintained general business of the lab.

JOURNAL ARTICLES:

- 1) **Mahammad D.V.**, M. Ratna Raju, and B.V.S.Goud. "Design of simple monochromator and its microcontroller based wavelength drive system." Bulletin of pure and applied Sciences Vol.31 D (Physics) Issue (No.1):P.25-36, ISSN-0970-6569, 2012
- 2) **Mahammad D.V.** and B.V.S.Goud. "PC based data acquisition system in LabVIEW platform." Bulletin of pure and applied Sciences Vol.29 D (Physics) Issue (No.1), P.25-36, ISSN-0970-6569,2010
- 3) K. JothiBabu, B. Rama Murthy, P. Thimmaiah, K. TanveerAlamL. Suresh1 and **Mahammad D.V.** "*LabVIEW based Real Time GUI System development for the studies of the Ionospheric irregularities over near Equatorial region at Anantapur using Satellite Radio Beacon signals*" IOSR Journal of Electronics and Communication Engineering (IOSR-JECE) e-ISSN: 2278-2834,p- ISSN: 2278-8735.Volume 9, Issue 4, Ver. III, PP 24-29, **Jul - Aug. 2014.**
- 4) K. TanveerAlam, **Mahammad D.V**, B. Rama Murthy, SujayDinakar "Design and Development of an embedded based Facial Recognition System using UDOO Android" in "IOSR Journal of Electronics and Communication Engineering" (IOSR-JECE) with e-ISSN: 2278-2834,p- ISSN: 2278-8735.Volume 10, Issue 4, Ver. II (**Jul - Aug .2015**), PP 49-54. (Impact factor: 1.398).
- 5) K.TanveerAlam, B.Rama Murthy, **Mahammad D.V**, U. Sunitha, P.Thimmaiah "*Low Cost Ethernet Based Data Acquisition System in Linux Platform*" International Journal of Engineering and Advanced Technology(IJEAT),Volume-2, Issue-4,ISSN: 2249 – 8958, **April -2013**
- 6) C. Srujana, B. Rama Murthy, K.TanveerAlam, U. Sunitha, **Mahammad D.V**, P.Thimmaiah "*Development of RFID Based Library ManagementSystem Using MATLAB*" International Journal of Engineering and Advanced Technology (IJEAT),Volume-2, Issue-5, ISSN: 2249 – 8958, **June 2013**
- 7) M. Hariprakash1, Y. Narasimha Murthy2, B. Rama Murthy3, K. Tanveer Alam4, P. Thimmaiah5, **V. Mahammad Dada4** "Boundary Detection Algorithm for Tracking Coloured Objects using Opencv" IJIREICE, (int) 2321Vol. 4, Issue 10, **October 2016**, ISSN (Online) 2321 – 2004,
- 8) **Mahammad Dada Vempali**, K. TanveerAlam, D. Punyasheshudu, B. Ramamurthy "Design and Development of Digital Proximity Type IR Thermometer Based on Arduino unoR3" (IJIRSET) with ISSN (Online): 2319-8753, ISSN (Print): 2347-6710, Vol. 5, Issue 2, **February 2016.** (Impact factor: 5.442).



- 9) K. TanveerAlam and **Mahammad Dada V** " ZigBee Based Real Time Weather Monitoring System Using Matlab GUI" International Journal of Advance Research, Ideas and Innovations in Technology (IJARIIT) , ISSN: 2454-132X, Vol. 3, Issue 3, **June-2017**.
- 10) **Mahammad D.V.**, and B.V.S. Goud, "*A simple laboratory demonstrate pacemaker*"CVR Journal of Science and Technology, Volume 4, ISSN 2277 – 3916, **June 2013**

RESEARCH PAPERS SUBMITTED AT SEMINARS

- 1) **Mahammad D.V.** and ThanveerAlam. K*, "Design and development of digital proximity type IR Thermometer based on Arduino unoR3". AP science congress-2015, Tirupati, India, 20th-22th Jan ,2016
- 2) **Mahammad D.V.** and ThanveerAlam. K*, "**Roll of instrumentation in IoT**". A National level seminar on Recent advancements in Electronics & communication Ananthapur (A.P.),India, 27th-28th,Nov,2015.
- 3) ThanveerAlam. K and **Mahammad D.V.** "ZigBee Based Real Time Weather Monitoring System Using MATLAB GUI." 6th Indian Youth Science Congress January, 2015
- 4) **Mahammad D.V.** and B.V.S.Goud. "Design of simple monochromator and its microcontroller based wavelength drive system." National Symposium on instrumentation (NSI-35), Belgaum (K.A.), India, 7th-9th January, 2011.
- 5) M. RatnaRaju,**Mahammad D.V.**, B. Chandra Mohan and B.V.S.Goud, "Image processing: a tool for phase transition studies in Liquid crystals", AP science congress-2011, Vishakapatnam, (A.P.), India, 14th-16thNovember, 2011.
- 6). **Mahammad D.V.**, M. Ratna Raju, and B.V.S.Goud, "**The design of electronic stethoscope Using Bluetooth technology**", AP science congress-2011, Vishakapatnam,(A.P.),India, 14th-16th November,2011.
- 7). **Mahammad D.V.**, M. Ratna Raju, and B.V.S.Goud, " Luminous intensity measurement system using atmel flash microconttroller",A National level seminar on Recent advancements in Embedded & communication networks systems(ECNS-12),Ananthapur (A.P.),India, 28th -29th, March,2012.
- 8) **Mahammad D.V.**, Venkatesh K., K. ThanveerAlam, B. Rama Murthy and B.V.S.Goud "**Development of embedded system based colorimeter**", AP science congress-2012,



Guntur

(A.P.), India, 14th-16th November, 2012.

9) **Mahammad D.V.**, Veronika, K. ThanveerAlam, B. Rama Murthy and B.V.S.Goud "Design and development of long range non-proximity type tachometer using stroboscopic effect", AP science congress-2012, Guntur(A.P.),India, 14th-16th November,2012.

10) **Mahammad D.V.**, Sk. Subhani, K. ThanveerAlam, B. Rama Murthy and B.V.S.Goud "Computer based low cost wave form monitoring system using LabVIEW", AP science congress-2012, Guntur(A.P.),India, 14th-16th November,2012.

11) **Mahammad D.V.**, I. Parveen, K. ThanveerAlam, B. Rama Murthy and B.V.S.Goud "A simple laboratory demonstrate pacemaker", AP science congress-2012, Guntur(A.P.),India, 14th-16th November,2012.

PERMANENT ADDRESS :

Door no : 1-73, Prasanth nagar, Kurabalakota, Chittoor (dt), Andhra Pradesh, India. Pin: 517350. PP No: Z2936150 , DOI : 20-08-2014 , DOE:19-08-2024. Issue Place: Hyderabad

REFERENCES:

1) Prof. B. Ramamurthy , Professor, Dept. of Instrumentation., S.K.University ,Ananthpuram-A.P. India. Cell: 9440780963, ramamurthy_ugc@yahoo.com

Administrative/Committee members list:



S.no.	Name of the institution /organisation	Designation	Nature of assignment	From date (DD/MM/YY)	To date (DD/MM/YY)
1	Rayalaseema University	Coordinator	Acted as head , dept of Electronics and Communication	05-05-2016	Till date
2	Rayalaseema University	NAAC member	Supporting member to prepare NAAC criteria report	17-10-2017	07-06-2018
3	Rayalaseema University	Placement member	Placement member in University committee	14-10-2015	23-10-2019
4	Rayalaseema University	Flying Squad member	Smooth running of examination	17-11-2016	17-11-2016
5	Rayalaseema University	College Inspection committee member	To inspection of affiliated colleges for grant of affiliation from the year 2016-2017	18-01-2017	23-01-2017
6	Rayalaseema University	College Inspection committee member	To inspection of affiliated colleges for grant of affiliation from the year 2016-2017	30-05-2017	03-06-2017
7	Rayalaseema University	Convocation organising member	To organize second convocation	06-10-2017	21-10-2017
8	Rayalaseema University	University representative	To present a real time soil parameter project in Indian science congress pride of Indian expo- SV University-Tirupati-2017	02-01-17	07-01-17
9	Rayalaseema University	University representative	To participate as university representative in IOT workshop in JNTU Kakinada -2016	02-08-2016	04-08-2016
10	Rayalaseema University	University representative	To participate as university representative in IOT Expo in Krishna Pushkaralu –2016, Vijayawada	23-08-2016	24-08-2016
11	Rayalaseema University	University representative	To participate as university representative in IOT and embedded system workshop –VR siddartha college – Vijayawada -2016	25-07-2016	26-07-2016
12	Rayalaseema University	University representative	To participate as university representative in CM program in	16-12-2016	18-12-2016

			Vishakapatnam		
13	Rayalaseema University	University representative	To participate as university representative in creating road map for innovation and incubation center in Vijayawada	18-10-2016	20-10-2016
14	Rayalaseema University	Doctoral Committee member	To act as member in DCM-I & II, for ECE PHD scholars	06-01-2018	06-01-2018
15	Rayalaseema University	Doctoral Committee member	To act as member in DCM-I & II, for EEE PHD scholars -	18-12-2017	18-12-2017
16	Rayalaseema University	Doctoral Committee member	To act as member in DCM-I & II, for EEE PHD scholars -	10-08-2017	10-08-2017
17	Rayalaseema University	Doctoral Committee member	To act as member in DCM-I & II, for ECE PHD scholars -	03-08-2017	03-08-2017
18	Rayalaseema University	Doctoral Committee member	To act as member in DCM-I & II, for EEE PHD scholars -	04-03-2017	04-03-2017
19	Rayalaseema University	Doctoral Committee member	To act as member in DCM-I & II, for EEE PHD scholars -	25-02-2017	25-02-2017
20	Rayalaseema University	Doctoral Committee member	To act as member in DCM-I & II, for ECE & EIE PHD scholars -	23-02-2017	23-02-2017
21	Rayalaseema University	Doctoral Committee member	To act as member in DCM-I, for EEE PHD scholars -	27-10-2017	27-10-2017
22	Rayalaseema University	Doctoral Committee member	To act as member in DCM-I & II, for EEE /MEPHD scholars -	27-19-2017	27-19-2017
23	Rayalaseema University	PHD VIVA-VOCE committee member	To act as member in PHD VIVA-VOCE for ECE PHD scholar -	07-09-2017	07-09-2017
24	Rayalaseema University	PHD VIVA-VOCE committee member	To act as member in PHD VIVA-VOCE for EEE PHD scholar -	15-07-2017	15-07-2017
25	Rayalaseema University	PHD VIVA-VOCE committee member	To act as member in PHD VIVA-VOCE for EEE PHD scholar -	10-07-2017	10-07-2017
26	Rayalaseema University	PHD VIVA-VOCE committee member	To acted as member in PHD VIVA-VOCE for EEE PHD scholar -	15-07-2017	15-07-2017
27	Rayalaseema	PHD VIVA-	To act as member in	10-07-2017	10-07-2017



	University	VOCE committee member	PHD VIVA-VOCE for EEE PHD scholar -		
28	Rayalaseema University	PHD VIVA-VOCE committee member	To acted as member in PHD VIVA-VOCE for EEE PHD scholar -	16-06-2017	16-06-2017
29	Rayalaseema University	PHD VIVA-VOCE committee member	To acted as member in PHD VIVA-VOCE for EEE PHD scholar -	16-06-2017	16-06-2017
30	Rayalaseema University	PHD VIVA-VOCE committee member	To acted as member in PHD VIVA-VOCE for ECE PHD scholar -	25-02-2017	25-02-2017
31	Acharya Nagarjuna University	Observe for PG/UG of CDE -ANU	To acted as observer for ANU-CDE exams - DEC-2017 for smooth conduction of exams	05-12-2017	26-12-2017
32	Acharya Nagarjuna University	Observe for PG/UG of CDE -ANU	To acted as observer for ANU-CDE exams - MAY-2017 for smooth conduction of exams	25-05-2017	12-06-2017
33	Acharya Nagarjuna University	Observe for PG/UG of CDE -ANU	To acted as observer for ANU-CDE exams - DEC-2016 for smooth conduction of exams	05-12-2016	23-12-2016
34	Acharya Nagarjuna University	Observe for PG/UG of CDE -ANU	To acted as observer for ANU-CDE exams - MAY-2016 for smooth conduction of exams	18-05-2016	11-06-2016
35	VR Siddartha Engineering college- vijayawada	External examiner	To acted as external examiner for 2sem m.tech CSE –IOT-LAB	18-09-2016	19-09-2016
36	VR Siddartha Engineering college- vijayawada	External examiner	To acted as external examiner for 2sem B.tech CSE –IOT-LAB	12-05-2019	16-05-2019
37	Rayalaseema University	Anti ragging squad	To act as anti ragging squad for men's hotel, RU campus	10-08-2016	09-09-2016
38	Rayalaseema University	Anti ragging squad	To act as anti ragging squad for men's hotel, RU campus	10-08-2018	09-09-2018
39	Rayalaseema University	Anti ragging squad	To act as anti ragging squad for men's hotel, RU campus	28-07-2019	30-09-2019
40	Rayalaseema University	Observer for PG exams	To act as observer for 2 nd sem PG exams May -2016 in RU-Campus.	20-04-2016	13-05-2016
41	Rayalaseema	Cultural	To act as cultural	13-03-2017	22-03-2017



	University	activity member	activity member for college day- 2017		
42	Rayalaseema University	Cultural activity member	To act as cultural activity member for college day- 2019	10-03-2019	20-03-2019
43	Rayalaseema University	Examiner	To conduct pre-phd examination	08-07-2017	09-07-2017
44	Rayalaseema University	Doctoral Committee member	To act as member in DCM-I , for EEE PHD scholars -	18-08-2019	18-08-2019
45	Rayalaseema University	Doctoral Committee member	To act as member in DCM-I , for ECE PHD scholars -	27-08-2019	27-08-2019

