SELF ASSESSMENT REPORT

Name in Full   :Rathaiah. Meram

Father's Name   :M.Jangamaiah

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Qualifications   :

S.No.	Qualification	Year of Passing	Board/University	Division
1	**SSC**	2002	State board of secondary education A.P	First class with distinction
2	**Intermediate/Diploma**	2004	State Board of Intermediate A.P.	First class with distinction
3	**B. Tech/B.E.**	2009	S.V.University, Tirupati.	First class
4	**M. Tech/M.E (Control systems)**	2012	J.N.T.U. Ananthapuramu.	First class with distinction
5	**Ph.D.**	Pursuing	J.N.T.U. Ananthapuramu.	--------

Work Experience :

S.No.	Name of the Organization	Position held	Years of Experience	Nature of work done
1	JNTUACEA	Adhoc Lecturer	7	Teaching

Publications   :

a) International Journals :

1. M.Rathaiah, P.Ram Kishore Kumar Reddy & P.Sujatha"Adaptive Fuzzy Controller Design for Solar And Wind Based Hybrid System " International Journal of Engineering & Technology(IJET), 7 (2.24) (2018) 283-290.

2. M.Rathaiah, P.Ram Kishore Kumar Reddy & P.Sujatha"Adaptive fuzzy controller design for DFIG based wind energy Conversion system" International Journal of Pure and Applied Mathematics (IJPAM),Volume 118 No. 20 2018, 441-448.

3. M.Rathaiah, P.Ram Kishore Kumar Reddy & P.Sujatha "Performance of solar system with incremental conductance MPPT based adaptive fuzzy controller" Journal of Advanced Research in Dynamical and Control Systems,2017 ,pp 1374-1387.

4. M. Rathaiah, P. Ram Kishore Kumar Reddy & K.S.R. Anjaneyulu – "Design of Optimum Adaptive Control for DC Motor" International Journal of Electrical Engineering. ISSN 0974-2158 Volume 7, Number 2 (2014), pp. 353-366.

5. Yarrapu Reddy Krishnaveni & M.Rathaiah"An enhanced MPPT method combining fractional-order and ANFIS control" International Journal of Pure and Applied Mathematics (IJPAM), Volume 118 No. 20 2018, 1773-1779.

6. M.Showriteja & M Rathaiah "Weighted model predictive control for reducing the circulating current in modular multilevel converter" Journal of Advanced Research in Dynamical and Control Systems,2017,pp 1509-1524.

7. D.Haritha & M Rathaiah " MPPT control for improving learning efficiency of PMSG WECS based on ANFIS method" Journal of Advanced Research in Dynamical and control systems,2017,Pp 1509-1524.

8. B.Chinnamoulali & M Rathaiah "An improved fuzzy based cascade control structure for process with time delay" Journal of Advanced Research in Dynamical and Control Systems,2017,pp 1442-1457.

9. Sugali Shankar Naik, R.Kiranmayi & M.Rathaiah "Model Predictive Control of Back-to-Back Converter in PMSG Based Wind Energy System" International Research Journal of Engineering and Technology (IRJET), Volume: 03 Issue: 11 | Nov -2016.

10. P.Likitha, R.Kiranmayi & M.Rathaiah "Enhancement of Power system transient stability using Fuzzy logic controlled bridge type fault current limiter" International Journal of Science, Engineering and Technology Research (IJSETR), Volume 5, Issue 11, November 2016.

b) Conferences/Workshops :

1. Participated in the One day faculty development programme on "**AGILE METHODOLOGIES"** held at JNTUA College of engineering Anantapur on 25-Feb-2015.

2. Participated in UGC sponsored one day workshop on "**Robot Dynamics and control"** held at JNTUA College of Engineering, Anantapur on 04-02-2012.

3. Attended one day workshop on "**Smart grid"** organized by the department of Electrical Engineering JNTU Ananthapuramu.

4. Attended One day workshop ''**Awareness on Power Systems Simulation Analysis using Mi Power Software"** held on 22.09.2015 at JNTUA College of Engineering.

5. Attended One day workshop on **"Solar Power Technologies"** held on 20.04.2016 at JNTUA College of Engineering.

6. Attended One day workshop on **"Wind Energy Conversion Systems"** held on 13.04.2016 at JNTUA College of Engineering.

7. Attended One day Didactical programme on "**Crafting Powerful Questions**" held on 16th July, 2016 at JNTUA CEA.

8. Attended One day workshop on "**21st Centuary Teaching Strategies**" held on 16th September, 2017 at JNTUA CEA.

9. Attended One day workshop on "**Awareness on IT/ITES Job Roles & Big Data Analytics**" held on 20th August, 2015 at JNTUA CEA.

10. Attended One day complimentary training/orientation on "**MATLAB, Simulink & Related Tool Boxes for Engineering Education**" held on 07th October, 2015 at JNTUC CEA.

11. Participated in the One day faculty development programme on "**Big Data Analytics**" held from 20-02-2017 to 22-02-2017 at JNTUA CEA.

12. Participated and Presented in the "**1st International Conference on Advanced Technologies in Engineering, Management and Sciences (ICATEMS'17)**" held on 16th and 17th November, Organized by Golden Valley Integrated Campus (GVIC) at Madanapalle.

13. Participated in the "**2 Days International Conference on Contemporary topics in Electrical & Electronics Engineering**" held from 27-02-2018 to 28-02-2018 organized by Department of Electrical & Electronics Engineering at Karpagam College of Engineering Coimbatore.

M.Tech/B.Tech

Subjects Courses taken/labs/Projects guided

Academic Year/Sem	I Semester*	II Semester*
2013-14	• Electrical and Electronics measurements(B.Tech) • Modern control theory (M.Tech) • Electrical and Electronics Measurements lab(B.Tech) • Control systems lab (M.Tech)	• Network theory(B.Tech) • Estimation of signals and systems (M.Tech) • Control systems and simulation lab (B.Tech) • Control systems simulation lab (M.Tech)

Year		
2014-15	- Control Systems Engineering (B.Tech) - Modern control theory (M.Tech) - Estimation of signals and systems (M.Tech) - Electrical and Electronics Measurements lab(B.Tech)	- Nonlinear Control Theory (M.Tech) - Control systems and simulation lab (B.Tech) - Control systems simulation lab (M.Tech)
2015-16	- Electrical circuits-II (B.Tech) - Nonlinear Control Theory (M.Tech) - Electrical circuits and simulation lab(B.Tech) - Electrical and Electronics Measurements lab(B.Tech)	- Modern control theory (B.Tech) - Estimation of signals and systems (M.Tech) - Control systems and simulation lab (B.Tech)
2016-17	- TEP (B.Tech) - ADSP (M.Tech) - Electrical and Electronics Measurements lab(B.Tech)	- Estimation of signals and systems (M.Tech) - DSP (B.Tech) - ET lab (B.Tech)
2017-18	- Electrical circuits-II (B.Tech) - ADSP (M.Tech) - Electrical and Electronics Measurements lab(B.Tech) - Basic Electrial Engineering Lab(B.Tech)	Control systems Engineering (B.Tech) - Estimation of signals and systems (M.Tech) - Control systems simulation lab (M.Tech) - Control systems and simulation lab (B.Tech)
2018-19	- Linear control system(B.Tech) - ADSP(M.Tech) - Electrical and Electronics Measurements lab(B.Tech) - Control systems lab (M.Tech)	- Electrical circuits-1(B.Tech) - Control systems and simulation lab (B.Tech)

Academic Projects Guided/Guiding: 07/03

Administrative Works Supported:

Academic Year	Work Supported
2013-14	I had done Invigilation duties for different exams (End semester examinations & CET examinations),
2014-15	I had done Invigilation duties for different exams (End semester examinations & CET examinations), Member in invitation committee for college day and sports day celebrations.
2015-16	I had done Invigilation duties for different exams (End semester examinations & CET examinations),

	Member in invitation committee for college day and sports day celebrations. Supported for getting data for NBA application.
2016-17	I had done Invigilation duties for different exams (End semester examinations & CET examinations),
2017-18	I had done Invigilation duties for different exams (End semester examinations & CET examinations),
2018-19	I had done Invigilation duties for different exams

Assignments given to the Students (2018-19)(copies):

- Two Assignments given on Linear control systems for – B.Tech II Year – I Sem.
- Two Assignments given on ADSP for M.Tech I Year