

**Mr.P.RAJKUMAR B.E(Mech),MSc(IT),M.Sc(ENV), [Ph.D]**  
**Associate professor // Director i/c.,**  
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## 1. Personal Details

Date of Birth & Age : 14.02.1966  
 Gender & Marital Status : Male & Married  
 Community : SC  
 Nationality : Indian  
 Place of Birth : Dindigul

## 2. Educational Qualifications

### 2.1. Academic

Degree/ Examination	Name of the Exam	University/ Institute	Year of Passing	Grade/ (%)	Main Subject
Under Graduate	B.E(MECH). Degree	The Indian Engg. college/ MKU			Mechanical Engg. subjects
Post Graduate	1.MCA Degree	Madurai Kamaraj university	April- 2014	First/ 67.04%	Computer related subjects  IT-subjects
	2. M.Sc –IT	Annamalai University	Dec- 2017	First/ 67.80%	Environmental science subjects
	3. MSc-ENV	Bharathiar University	Dec- 2012	First/ 62.50%	
PG Diploma	1. PGDEM	Madurai Kamaraj University	May 1992	First/ 62.2%	Solar energy related subjects

	2. PGDPPIC	Annamalai University, Chidambaram	Dec 2007	First/ 67.8%	Power plant Instrumentation subject
	3. PGDCA	Evening College, Madurai Kamaraj University, Madurai	May 1995	Second/ 55.8%,	Computer application subjects

## 2.2. Research

Degree	Name of the University	Title of the Thesis	Date of Submission	Date of Award
PhD	Madurai kamaraj University	Environmental Science-	Doing Research work from 2018(6-10-2018)	-----

## 3. Post-Doctoral/ Research Associate / Industrial Experience

Name of the University / Institute / Industry	Period of Work	Nature of Work
CHEMFAB-pvt.Ltd, Chennai(sub-contractor)	1991-1996 (mechanical supervisor )	Fabrication/ Erection of tank, pipe line fitting for Refineries-Sakthi soya Pvt. Ltd. Near Palani town, Palani/TN
Indian Railway –Carriage and wagon works, perambur, Chennai	1996-1997	Apprentice training in Carriage and wagon works- Mechanical Engineer

## 4. Professional Experience

No	Name of the University / Institution	Position Held	From (Date)	To (Date)
1	Madurai kamaraj University	Associate professor	2000	2022
2	Madurai kamaraj university	Director i/c	2015	Till date
3	Madurai kamaraj university	MKU syndicate member	2017	2020

## 5. Teaching:

No	Year	Semester	Course Code	Course Title	Hours per Week
1	2022-23	I	USI 2216E	C,JAVA and PYTHON programming	4 hrs
2		I	USI2215C	Microprocessor lab	2 hrs
3		II	USI 2124C	Digital signal processing	1 hr
4	2022-23	III	USI2133C	-Industrial Instrumentation	4 hrs
5	2022-23	IV	USI2145E	Analytical Instrumentation	6 hrs
6		IV	USI2144P	Project	4 hrs
7	2022-23	I/SSS	USI22B3S USI22B6S	Introduction to Basic Industrial Instrumentation & Workshop Technology C, C++ and PYTHON programming	1 hr 1-hr
8	2022-23	II/SSS	USI22B5S	Advanced Industrial Instrumentation and workshop technology	1 hr

## 6. Design/Development of New Curricula and Courses

No	Description	Organization for which it was Developed	Level(PG/UG)
1	M.Sc Electronics Instrumentation- --- --syllabus framing committee -year 2018 (Director i/c)	Madurai Kamaraj university	PG
2	M.Sc Instrumentation (Syllabus framing committee - Member )- year 2002	Madurai kamaraj university	PG
3	MSc Electronics and Instrumentation (syllabus framing committee -member )- year 2005	Madurai kamaraj university	PG

## 7. Research Specialization / Field of Research

- Automobile Engineering
- Solar/Thermal power plant
- Environmental science – air pollution control

## 9. Research Publications

Type	International	National
Papers in Refereed Journals	4	0

Papers Published in Conference/Seminar Proceedings	1	5
Conference/Seminar/Workshop Attended	0	4

### 10. Research Guidance/Supervision

Degree / Programme	Completed	Submitted	Ongoing
MSc E&I Projects(IV Sem)- End semester project	15	0	0

### 11. Funded Research Projects: Ongoing

No	Title of the Project	Funding Agency	Period / Duration	Total Grants Sanctioned (Rs)
1	Glass Bowing Training and practice	RUSA	1-year (From June 2022-23)	1,80,000/=

### 12. Faculty Development Programs Organized

Name of the program	Place	Date
1. Western Regional instrument centre, University of Mumbai and USIC/MKU -- UGC sponsored Joint Training programme on “ Maintenance of Analytical Instruments”- (program co-ordinator)	USIC/MKU	21-05-2001 To 26-05-2001
2. Symposium conducted by USIC – TALENTRONIKA” -in the year 01-02-2013 (program Co-ordinator)	Dr.Mu.Va Hall/ MKU	01-02-2013

### 13. Professional Development Programs / Faculty Development Programs Attended

Name of the Program	Place	Date(s)	Sponsor
1. Refresher course in Instrumentation- University of Mumbai	Bombay/India	29-11-1999 to 22-12-1999	UGC
2. Refresher course in Recent Trends in Environmental studies	Madurai Kamaraj University, Madurai	09-03-2018 to 29-03-2018	MKU
3. Refresher course in Environmental studies	Madurai Kamaraj University, Madurai	18-02-2018 to 07-01-2019	MKU

#### 14. Administrative Experiences

Role Played	Responsibilities	Period (from ... to)
1. Director i/c	Administrative activities	From 2015- 2022(till date )

#### 14.a) Academic responsibilities

Role Played	Responsibilities	Period (from ... to)
1. Director i/c	Programme organizer for M.SC E&I	From 2015- 2022(till date )
2. chairman	Semester-Exam -Orangizer for M.SC E&I	From 2015- 2022(till date )
3. Chairman	Admission committee for M.Sc E&I	From 2015- 2022(till date)
4. Member/ Associate professor	Semester Exam -Coordinator-Msc E&I Semester examination	From 2002- 2014
5. Member / Associate professor	M.SC Electronics Instrumentation – syllabus framing committee member	2002,2005,2008,2015,2018
6. Associate professor	PG Diploma- Post BSC in Instrumentation	1999-2002

#### 15. Membership in Academic Bodies

Name of the University / Institute / College	Type of Membership	Duration / Period
Mk University , Madurai-21	BOS- chairman for M.Sc E&I course	2018

#### 16. Membership in Recognised Professional Bodies

Name of the Professional Body	International / National	Type of Membership
International Association of Engineers	International	Life time membership

#### 17. Languages Known

Languages	Read	Write	Speak
Tamil	Yes	yes	yes
English	yes	yes	yes

#### 18. Details 6 Research Publications :

##### I. International level journal: Refereed Journals:

1. Desuperheater temperature control system using distributed control system(DCS) - International journal on Recent innovation trends in computing communication : July 2013;Vol :1; issue :7: pages: 587-591

1. A study on saw dust waste natural fertilizer and pollution free Indian Railways- International journal of global resources: July 2020,volumes 6(2), page 64-71
2. A study on recycling of Timber waste and fertilizer production using solar powered forced air supply-shanlax International journal of Arts, Science and Humanities October 2020,Vol:8, issue: 2, pages 116-123
3. A Statistical approach of indoor air pollution detection in USIC by ANOVA method, International journal of Engineering Research and Applications(IJERA), Oct 2021, Vol: 11, Issue: 10, pages: 38-48

## II. National level conference:

1. Thermal performance of flat plate solar air collector with a multi-layer glass ICSSR-financial supported- National conference on Climate change, Environment an Agricultural Development, March 2014,pages:279-289
2. The Migration of people from rural-urban in India-ICSSR sponsored-National conference on, Migration in India: issues, challenges and strategies-,Feb 2017,pages: 129-135
3. Automated moisture sensor in water irrigation-a self developed mobile App- National conference on water Energy and Environment(WEECON19),21 March 2019
4. Automation of sewage Treatment plant-Using PLC and SCADA- National conference on water Energy and Environment(WEECON 19),21 March 2019
5. Lab View based wireless electric car battery charging system- National conference on water Energy and Environment(WEECON 19)21 March 2019

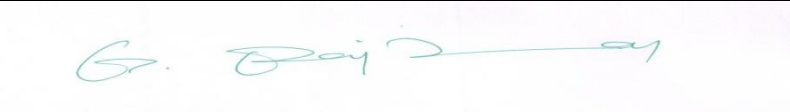
## III. International level conference:

1. Rural indoor air pollution control and its improvement-International conference on – Recent Trends in chemistry and Bioscience-16 May 2019, Madurai Kamaraj University, Madurai-21

## 19. Conferences / Seminars / Workshops attended

Name of the program	Place	Date
1. UGC sponsored-Interdisciplinary workshop on Biosensor and their applications	VHNSN college/ VirudhuNagar	20-12-2010
2. ICSSR&MKU sponsored National seminar on “Land use/Land cover changes and its impact: spatial challenges and geospatial technologies ”	Madurai kamaraj University	1-02-2015 To 20-02-2015
3. Internal quality assurance cell/MKU workshop on intellectual property rights and innovation management in knowledge era	Madurai kamaraj university	10-04-2017
4. International online workshop on “Academic writing-Ethical issues” by - Global Institute of	Anna University/ chennai	18-06-2022 To

statistical solutions(GISS)		20-06-2022
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**Signature of faculty:**

**Dated: 09-10-2022**