SENSOR NETWORKS RESEARCH GROUP

KL University, Guntur.

Group Head : Dr. K. Raghava Rao

Data to be obtained from the research groups

1	List of Research Groups and Group Heads along with their e-mail ID, Mobile number, Landline number, Extension number						
	Sl.No.	Research Group	Research Group Head	e-mail ID	Mobile No.	Land line no.	Intercom
	1	Sensor Networks	Dr.K.Raghava Rao	krr_cse@kluniversity.in	9848445052		196

2	Roles and responsibilities of the Research Group Heads :-
	1. Research Group head is administrative head of the concerned Group.
	2. To pursue research work in the area of the subject assigned and publish papers in indexed and high impact factor journals. Take up consultancy in the area of specialization.
	3. To guide Ph.D Scholars both full time and part time and monitor their progress.
	4. To establish Centre of Excellence in the area of specialization.
	5. To assign term papers to UG students, involve the students securing more than 70% of marks in the research activity of the group.
	6. To guide PG students in their project works and involve them in the research activity of the group.
	7. To take up class work teaching in the subjects of their specialization.
	8. To pursue writing of text books by taking guidance from Prof. A. Anand Kumar.
	9. To arrange faculty training for improving the teaching skills and research activity.
	10. To arrange teaching by industrial experts in the subjects taught by the group.
	11. To put up proposals for internal and external funded projects. Ph.D holders have to put up project proposals worth minimum of Rs.20-50 lakhs and others Rs.10-15 lakhs.
	12. To procure software tools required by the group.
	13. To prepare a road map clearly bringing out action plan with time schedules for a systematic progress of research activities.
	14. To monitor the progress of class work of M.Tech students.
	15. To plan for practice school for PG students of 1 year duration.

16. To finalize the list of high impact factor journals for publication of research work carried out by the group.

17. Research Group meetings have to be held every week to review and discuss new plans and record the minutes with action plans for implementation.

18. Research Groups activities to be displayed at the place of their labs.

19. Research Group heads to look after the administration of all sections of students of a particular year like 2nd year, 3rd year, 4th year and PG.

20. All files connected with the groups will be transferred to the Research Group concerned.

21. Women's Scientists also will be transferred to the concerned research group.

Names of all the Faculty members, attached to the Research Groups :

S.NO	Name	Dept.	Qual	Mail ID	Contact
1.	Dr.K.Raghava Rao	MCA	Ph.D	krr_cse@kluniversity.in	
2.	Sridhar Babu	ECE	M.Tech	Seva.sreedhar@kluniversity.in	
3.	G.Kalyan Mohan	ECM	(Ph.D)	kalyanmohan@kluniversity.in	
4.	Dr.K.S.Rajesh	ECM	Ph.D	ksatyarajesh@kluniversity.in	
5.	Bulli Babu	ECM	M.Tech		
6.	P.Vikram	ECM	M.Tech	Pv2555@kluniversity.in	
7.	Dr.Syed Umar	ECM	Ph.D	drsyedumar@ kluniversity.in	
8.	Abdul Ahad	ECM	(Ph.D)	abdulahad@kluniversity.in	
9.	Dr.T.V.Surya Narayana	ECM	Ph.D	drsuryanarayana@kluniversity.in	
10.	RajaShekhar	ECE	M.Tech	rajasekhar.jasti@kluniversity.in	

4. Research Scholars attached to each Research Group; and their Research problems

1) Nazeer Shaik –sensor networks – OGC-Sensor web enablement standards implementation.

	2) Sangeetha –Sensor Networks-OGC-Sensor Web Enablement standards Implementation 3) Surya Kiran –Sensor Nework-Sensor Web Mining 4) Raja Ramesh-Neural Networks-Fuzzy logic-Data Mining
5	Conferences / Workshops proposed to be conducted 1 National workshop applied to AICTE and waiting for approval.
6	Bio-Data of every member of the Research Group (Format enclosed) All bio-data of members enclosed. i. All members subjects handled, conf/journals and Lab handled.

Member Name	Subject Taught	No. of Conf./Journals	Labs Handled

1).Dr. K.Raghava Rao
 	
(Research Group Head)
	1).Data Mining
	2).DiscreteMathematics
	3).Discrete Structures&
	  Graph Theory
	4)Design & Analysis of
	  Algorithms.
	5)JAVA
	6)WirelessSensor Networks
	7)WebTechnologies&
	  Services.
	(SemanticWeb &SOA)
		15/14	1) Java
			2) Data Mining
			  (Weka Tool).
			3)Discrete
			  Structures&
			  Graph Theory.
			4) Design &
			Analysis of
			Algorithms.
			5) Wireless
			Sensor Networks.
			6) Web
			Technologies &
			Services(Semantic
			Web &SOA

2).Sridhar Babu	1)Micro Processors and MicroControllers. 2)Digital Communications. 3) STLD 4)Embeded Systems. 5)Radars. 6)Digital Signal Processing 7).Pulse Digital Circuits.	2/2	1)MPMC. 2).MicroWaves 3)EDC. 4)PDC. 5)DC
3). Dr.K.S.Rajesh	1)DBMS 2)Data Mining 3)DAA 4)Java 5)Web Tecnologies	5/6	1)Java 2)Web Services

4).Dr.R. Bulli Babu	1).SPM 2).Computer Graphics 3).Software Engg 4).DBMS 5).DMDW	2/4	1).DBMS 2).CPDS 3).DMW (Weka) 4).C++	
5). Dr.Syed Umar	1).DBMS 2).Java	2/5	1)Java	
6). Dr.T.V.Surya Narayana	1).OOPS 2).DBMS 3).DS 4).UNIX 5).SE 6).Software Testing	2/9	1).Java 2).RDBMS 3).Web Technologies 4).UNIX 5).DS 6).C	
7).Md. Abdul Ahad	1) DBMS 2) OS 3) SE 4) OOPs 5) RTOS 6) CO	4/5	1)DBMS 2)OS 3)OOPs	
8).P.Vikram	1).Telematics 2).ACN 3).Wireless Communications &Networks	Nil	1).DBMS 2).DS 3).CN 4).OOAD	

ii.Classes handled : above all subjects for B.Tech, M.Tech

iii.Projects being handled – Internal & External funding

DST-NRDMS Project-1 external funding is going on

iv.Projects envisaged to be taken up

Internal project applied waiting for approval(5 Lakhs)

External projects applied to different agencies worth of 1 Crore 5 Lakhs

All project in the area of wireless sensor networks –sensor web

enablement.

7	Paper Publications made - In the above table given

8	Infrastructure required 1)Good Space required to carry out research work by students, research scholars and faculty. 2) Another 2 to 3 wsn kits required with more 3 systems. 3) Latest software required to run the experiments.
9	Any other facilities required

Research Out Come
Sensor Networks Research Group , KL University
Project ongoing and Applied

S.NO	Name	Dept.	Qualification	Mail ID	Paper(last 1 year Published
1.	Dr.K.Raghava Rao	MCA	Ph.D	krr_cse@kluniversity.in	5
2.	Sridhar Babu	ECE	M.Tech	Seva.sreedhar@kluniversity.in	3
3.	G.Kalyan Mohan	ECM	(Ph.D)	kalyanmohan@kluniversity.in	3
4.	Mohan Rao	ECM	Ph.D	Mohanrao5423@kluniversity.in	8
5.	Bulli Babu	ECM	Ph.D	Babuklu23@kluniversity.in	4
6.	P.Vikram	ECM	M.Tech	Pv2555@kluniversity.in	3
7.	Dr.Syed Umar	ECM	Ph.D	drsyedumar@ kluniversity.in	5
8.	Abdul Ahad	ECM	(Ph.D)	abdulahad@kluniversity.in	5
9.	Dr.T.V.S Narayana	ECM	Ph.D	drsuryanarayana@kluniversity.in	3
10	RajaShekhar	ECE	M.Tech	rajasekhar.jasti@kluniversity.in	1

Objectives

The objective of this Club will be to make the budding technocrats, involve in one or many such technological developments, by making them learn the basic concepts, giving them the

needful assistance to Practice the learnt technology, Provide needful assistance in making them build their desired Prototypes, and at a later stage make them compete in various World renowned competitions like SENCON, SENCUP, etc and thus bring KLU into Lime light of the SENSORS R&D Practitioners, and give a strong footage to the members of this Club in commercializing and Techovating their innovations.

S.NO	PROJECTS	APPLIED AGENCY WITH DATE	ACK/REF NO	BUDGET (IN RS.LAKHS)
1	WEB DESCRIPTION AND BUILDING MODELS TO DISCOVER KNOWLEDGE FOR FOR PREDICTION AND DECISION MAKING (SANCTIONED)	NRDMSDST NOV-2011	NRDMS/11/1653/PROJ NO.16 DATED 09-09-2011. Dr. Murali Mohan	15.54 LAKHS
2	DEVELOPMENT OF E-CONTENT ON ADVANCED DATA MINING	MHRD 28-5-2010	RE-28051010886	10 LAKHS
3	A SENSOR WEB NOTIFICATION SERVICE MODEL FOR EMERGENCY DECISION MAKING	DST-WOS-A-JAN-2012	SENT SPEED POST, DATED 04/02/2012	21 LAKHS
4	A SENSOR WEB FOR MEASUREMENT OF DOMESTIC POWER CONSUMPTION AND BILLING PAYMENT	DSIR-TePP MARCH2012	ACK RECIEPT RECEIVED FROM ANU ON 18/09/2012.	15.54 LAKHS
5	DESIGN AND DEVELOPMENT OF SOFTWARE MODULES FOR A MULTISENSOR SMART PHONE ENABLING BLIND PEOPLE NAVIGATION AND PERFORMING DAILY TASKS	DST-JULY 2012	SR/CSI/203/2012	21.73 LAKHS
6	A SENSOR WEB MODEL AND WEB SERVICE FOR DRINKING WATER DISTRIBUTION MANAGEMENT	NCSTC	ACK MAIL RECVD FROM DST DATED 9/11/2012.	21.73 LAKHS
7(PATENT FILED)	SYSTEM AND METHOD FOR REAL TIME MANAGEMENT OF ELECTRIC POWER CONSUMPTION ACTIVITIES	GOVT OF INDIA	2844/CHE/2012	--
8	AICTE grant offered For 3 days workshop	AICTE	22/aicte/rifd/sem/2012-13	65 thousands

Activities conducted

-A one day national workshop conducted on sensor networks
-A National workshop of AICTE sponsored will be conducted in May 2013
for 3 days on Sensor Networs Vs SWE.

Activities planned

-Plan to conduct a national student project competition and exhibition on
sensor networks by the end of Dec 2013 .
-National Conference in 2014 at convenient time will be initiated

Future Plans

1) **M.Tech programme in sensor networks systems**
2) **Expansion sensor networks research lab**
3) **Collaboration with other institutes or industry**
4) **A journal on sensor networks will be started in 2014 beginning.**

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