



**GOKARAJU RANGARAJU
INSTITUTE OF
ENGINEERING AND
TECHNOLOGY
(AUTONOMOUS)**

**Information Systems Audit and
Control Association**



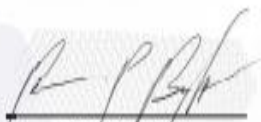
2020-21 ANNUALREPORT

Certificate of Recognition

ISACA OFFICIALLY RECOGNIZES

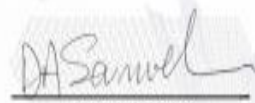
GRIET ISACA Student Group

whose purpose is student empowerment, to raise awareness of ISACA, and to expand recognition of the IT Audit and Assurance, Security and IT Governance disciplines, by extending education beyond the classroom on standards, practices and certification.



Brennan Baybeck
International President Chair,
Board of Directors

ACADEMIC YEAR
2019-2020



David Samuelson
ISACA Chief Executive Officer

ISACA
Student Group



ISACA Information Systems Audit and Control Association



ISACA Student Group Best Practices

Through a coordinated survey effort involving ISACA Student Group (ISG) leaders, Academic Advocates, Chapter leaders, and volunteer committee members, we are pleased to be able to share with you these 12 valuable insights that have allowed some of the most successful and active ISGs to thrive. Please note- some of these points of view are written with the student in mind while others are specific to the Academic Advocate.

If you have any questions about forming an ISACA Student Group or would just like more information about the program, please email students@isaca.org.

- Students should actively seek to hold an officer position within the ISG. Those students that have say it helped to enhance their networking and leadership skills, provided additional recognition for them in their chosen profession, and it also helped to build their resumes.
- If interest in starting or continuing an ISG is low, consider partnering with other on-campus professional student groups (IIA, ACFE, etc.) or other departments at the university (i.e. Depts. of Accounting, Business Admin., Engineering, Computer Science, etc.). This will help successfully create one large group that can collaborate on joint activities and host group events.
- Once your ISG is created and officially recognized, begin your succession planning right away. Informally discuss the upcoming school year, which students would benefit from participating, and which students would make good incoming leaders. Having these discussions early and often will help ensure successful continuation of the group long after the founding members have graduated.
- Some Academic Advocates may find that running the week-to-week, month-to-month operations of the ISG challenging at times (even if you have an active ISG president). Consider involving other university faculty members (even those from other departments) to help with the planning and managing of ISG activities.
- Have some fun business cards, ISG stickers, or pens printed up with your ISG logo. Use these as giveaways to promote your group on campus and encourage other students to participate.

- If finding funds to host ISG events and activities is a challenge, consider asking the local ISACA Chapter to make a donation to help cover costs.
 - If additional funding is needed to host ISG events and activities, consider charging the members annual dues to participate in the student group. Those groups that do this successfully will often times have food, meals and/or other refreshments at their meetings to help justify the cost of joining the group. ISGs can even secure sponsors (a local deli or pizza place) to help provide lunches for the meetings, so the actual cost for food would be marginal (or in some cases nothing at all).
 - ISG leaders should look to establish relationships with local ISACA Chapter members and see them as would-be “mentors”.
 - Be sure to work with the local Chapter to help schedule “mini- training events” or other similar events for students and members of the ISG once or twice throughout the year.
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- Work with the local Chapter to discuss the possibility of combining certain college or university events with on-going ISACA outreach events.
 - Students and ISG members are often welcome to attend local ISACA Chapter meetings. Contact the chapter ahead of time to discuss the possibility of attending their meetings.
 - Students and ISG members may also be invited to attend paid Chapter events at a reduced cost or no cost. Contact the Chapter to see what opportunities may be available.

ISACA SB EXECUTIVE COMMITTEE



SWETHA NAMBURU
ISACA FACULTY COORDINATOR



SHUBHAM KUMAR JENA
PRESIDENT



THELLA SAI KRISHNA
VICE-PRESIDENT



OJESVI C KANUMURI
SECRETARY



B.VYSHNAVI
EVENTMANAGER

INDEX

S.No	DATE	Category: Workshop, Seminars,Conference, Guest lectures, Motivational speech, Tech talks, Industrial visits, extra and co-curricular activities including professional body events etc.,	Title of event & venue		Total Participan ts	Department organized/ Professional Body Organized
1	19th-Dec- 2020	Webinar	Underwater Acoustic Channel Estimation And Equalization For Adaptive Modem	Online	45	ISACA

Underwater Acoustic Channel Estimation And Equalization For Adaptive Modem

Date : 19th Dec 2020 ,

Time : 10:00am to 11:00am.

Venue : Online

No. Of Attendees: 45

The motive of this event was to make the students understand the underwater environment is highly non-stationary and subjected to impulsive noise, we use adaptive filtering techniques based on minimization of a logarithmic cost function, which results in a better trade-off between the convergence rate and the steady state performance of the algorithm. To improve the convergence performance of the conventional first and second order linear estimation methods while mitigating the stability issues related to impulsive noise, we intrinsically combine different norms of the error in the cost function using a logarithmic term.



**Gokaraju Rangaraju Institute Of
Engineering & Technology**

**Underwater Acoustic Channel Estimation
And Equalization For Adaptive Modem**

Coordinator : N.Swetha, HOD ECE

Mr A. Sambasiva Rao
Scientist-E
Embedded System and Instrumentation Directorate
NSTL(V)
19-12-2020

EVENT SUMMARY REPORT

Griet/Other institutes/Organization Address:	GRIET				
Department	ECE	Professional Body		Institutional Body	
		ISACA		GRIET	
Nature of the Event (Workshop / Seminar / Guest Lecture / Tech Talk/ FDP/GD/ Training Program / Quiz / Presentation/Conference/ Industry Visit/Any Co & Extracurricular Activities)	Webinar				
Title / Theme of the Event	Underwater Acoustic Channel Estimation And Equalization For Adaptive Modem				
Details of the Coordinator& Designation	N.Swetha Professor, HOD,ECE Department.				
Event Dates/Days	From	To	No. of Days		
	19 th Dec,2020.		1		
Details of the Speaker / Guest	Mr A. Sambasiva Rao Scientist-E Embedded System and Instrumentation Directorate NSTL(V)				
Organization Address:	NSTL(V)				
Participants (Teaching Faculty / Non-Teaching Faculty / Students)	No. of Faculty	No. of UG students	No.of PG Students	No. of outside participants	Total Participants
	1	44	0	0	45

Faculty Names & Designation	N.Swetha Professor, HOD,ECE Department.
Summary of the Event	The motive of this event was to make the students understand the underwater environment is highly non-stationary and subjected to impulsive noise, we use adaptive filtering techniques based on minimization of a logarithmic cost function, which results in a better trade-off between the convergence rate and the steady state performance of the algorithm. To improve the convergence performance of the conventional first and second order linear estimation methods while mitigating the stability issues related to impulsive noise, we intrinsically combine different norms of the error in the cost function using a logarithmic term.
IRG (in rupees)	nil
Expenditure (in rupees)	nil
POs attained with this Event	<ol style="list-style-type: none"> 1.Ability to aquire knowledge on adaptive filtering techniques. 2. Ability to make the students understand the convergence performance of the conventional first and second order linear estimation methods while mitigating the stability issues related to impulsive noise 3. Ability to make the students understand the tracking and steady-state performances of our proposed methods in the presence of impulsive noise
Photographs of the event (Hard copy and Soft copy)	
Proofs: 1.Certificates copies 2.Profile of Speaker 3.PPT/Material as applicable. etc.,	

