Department of Civil Engineering
ASSOCIATE DEAN DIARY OF EVENTS

GRIET/ADSAO/13/G/22-23

EVENT SUMMARY REPORT

GRIET / Other institutes / Organization address	**GRIET, Bachupally**		
Department	**CE**	Professional Body	Institutional Body
		IEI	
Nature of the Event (Workshop / Seminar / Guest Lecture / Tech Talk/ GD/ Training Program / Quiz / Presentation/Conference/ Industry Visit/Co & Extra Curricular Activities	**Guest Lecture**		
Title / Theme of the Event	**Green and Blue Infrastructure towards the Urban Environment and thus Developing Sustainable Climate – Resilient Cities**		
Details of the Coordinator(s) & Designation	C Vanadeep, Assistant Professor, CE		
Event Dates/Days	From	To	No. of Days
	21-09-2022	21-09-2022	1

<table>
<tr><td>Details of the Speaker / Guest
Organization Address:</td><td colspan="5">Dr. Nitin Muttil,
Sr Lecturer & Leader of Water Resources Research Group, College of Engineering & Science, Victoria University, Australia</td></tr>
<tr><td rowspan="2">Participants
(Teaching Faculty / Non-Teaching Faculty / Students)</td><td>No.of Faculty</td><td>No. of UG students</td><td>No.of PG Students</td><td>No.of outside participants</td><td>Total Participants</td></tr>
<tr><td>4</td><td>51</td><td>-</td><td>-</td><td>55</td></tr>
<tr><td>Faculty Names & Designation</td><td colspan="5">Dr. C Lavanya, HoD, CE
Dr. Dr. Mohd. Hussain, Professor, CE
Mrs. G Swetha, Asst. Professor, CE
Mr. A Vittalaiah, Asst. Professor, CE</td></tr>
<tr><td>Summary of the Event</td><td colspan="5">Lecture topic was divided into brief introduction, discussion on causes of natural disasters,development of Green and Blue Infrastructure(with an effective case study conducted in the Victoria University) andlastlyconcluded with suggestions.
As Introduction,Dr. Nitin Muttil has discussed about the terms related to present Environmental situations and crisis.He had quoted"In the present day, natural disasters are increasing compared with past 10 years back."In current generation natural disasters like floods, high temperatures are drastically showing impact on mankind.These are mainly caused due to improper handling of nature by humans.He has played some of the videos of how Floods flashed vigorously in hyderabad and australia and displayed images of area before and after flood flash.He said,“This is the resultof poor development infrastructure”. As the part of remidical process Green and Blue Infrastructure came in force.In implementation of Green Infrastructure Dr. NitinMuttil and his university colleagues with the help of local community planted 5000 plants of different species.And as part of Blue Infrastructure Dr. NitinMuttil came up with a case study about how his team was successful in making dry lands in watersheds.He also discussed about how municipal authorities engaged in proper usage of treatment of sewage water for household usage in Australia and also about the Roof Gardening in university premises. Later, he interacted with students and solved the questions raised by students and faculty.At last He added "If a community asks the government would definitely solve that</td></tr>
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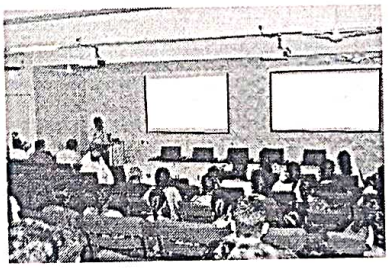
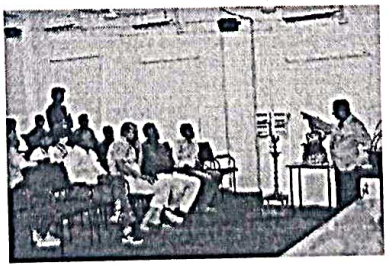
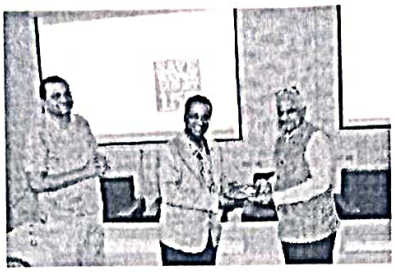
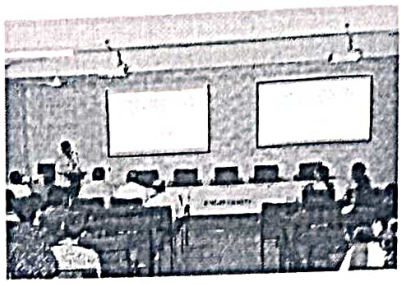
	issue. Andno country can bear either high temperatures or heavy floods.It is future engineers' duty to make development with sustainable goals and ensure safe Environmental conditions.
Expenditure (in rupees) **(enclose proof bills)**	--
IRG(in rupees)	--
POs attained with this Event (number and description)	**PO4:** Use modern engineering tools such as CAD and GIS for the Civil Engineering practice. **PO6:** Understand the impact of engineering solutions in a global, economic and societal context. **PO7.** Understand the effect of Civil Engineering solutions on the environment and to demonstrate the need for sustainable development. **PO10:**Communicate effectively with engineering community and society. **PO12:** Recognize the need for and an ability to engage in life-long learning.
Photographs of the event (Hard copy and Soft copy)	   





Proofs:
1.Certificates copies
2.Profile of Speaker
3.PPT/Material as applicable.etc.,

Profile of Speaker:

Dr Nitin Muttil is a senior lecturer and leader of the Water Resources research group in the College of Engineering & Science at Victoria University (VU), Australia.

Prior to joining VU in 2007, Nitin worked as a research fellow at the National University of Singapore and at the University of Hong Kong. During this time, he worked on various projects including developing a hydrologic model for the Marina Bay in Singapore and a data-driven model to predict algal blooms at Tolo Harbour in Hong Kong. The results of these projects have been published and well cited in highly ranked journals and international conferences.

At VU, Nitin has further developed his research expertise in the areas of urban drainage modelling and flood control, water sensitive urban design (WSUD) and impacts of climate change on water resources.

Along with colleagues from the Water Resources research group, Nitin has been extensively involved in collaborative research projects (with various local councils, water utility companies and so on) and supervision of postgraduate students.

Nitin has organised sessions on WSUD and climate change impact studies in conferences (MODSIM 2013 and MODSIM 2015) and his students regularly present their research at reputed conferences.

In recognition of his research efforts, Nitin was awarded the Vice Chancellor's Peak Award and Citation For Excellence In Research & Research Training (Research Team Category)

Signature of Coordinator

Signature of HOD