

Mahatma Education Society's

PILLAI HOC COLLEGE OF ARCHITECTURE

Pillai HOCL Educational Campus, HOC Colony, Rasayani, Via Panvel, Dist- Raigad, Pin: 410207

Tel: 02192- 252005 / 250066

Fax: 02192- 252062

Web: www.phcoa.ac.in

mail: phcarch@gmail.com

Approved by COA, Government of Maharashtra and Affiliated to University of Mumbai

Inst. Code- AR3427

rhino architecture.
parametric modeling workshop
Training using Licensed Rhino software

STUDENT DEVELOPMENT PROGRAM
Learning | Growth | Projections

For Registration: 

For further enquiry:
+91 8788268651
+91 8292858882

Faculty co ordinator
Prof. Shivaji Sarvade
02 nd to 06 th May, 2023
10 am Onwards
Pillai HOC college of
Architecture
Pillai HOCL Educational
Campus, Rasayani

Eligibility for the course: 3rd, 4th & 5th year B.Arch students
3rd & 4th year B.E Civil students
(Max 30 Students)
course fees : ₹ 500/- (For PHCOA) ₹ 2000/- (For Others)

  **PHCOA**
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OF ARCHITECTURE



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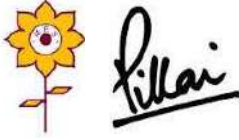
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Rhino Architecture: Introduction to Parametric Modelling

Academic year: 2022-23

Organised by	Pillai HOC College of Architecture, Rasayani
Objectives	Following are the outcomes of the SDP <ol style="list-style-type: none">1. Participants will be able to compare static design (2D and 3D) with parametric design using visual programming.2. Participants will be able to implement visual programming through Grasshopper in Rhino for parametric design.3. Participants will be able to recommend Grasshopper components to create parametric designs.4. Participants will be able to generate algorithms using Grasshopper for parametric designs.
Name of resource person(s)	Shivaji Madhukar Sarvade
Introduction about the resource person	Structural Engineer and Assistant Professor at Pillai HOC College of Architecture, Rasayani.
Date and time	2nd May, 2023 to 6th May, 2023 – 10.00 am to 4:30 pm
Venue	Computer Lab
Faculty coordinator	Shivaji Madhukar Sarvade
Supporting staff	NA
No. of students present	24
Program approved by	Prof. Suchita Sayaji, Principal, PHCOA
Brief about the activity/event	The construction industry has grown at a very rapid pace and the designs are becoming complex. Challenging geometrical shapes are being routinely proposed in the field of architecture. These challenging forms are a blend of generative design through complex mathematical calculations. With the advent of visual programming tools such as Grasshopper, designers are relieved from the hard work of learning the syntax of programming and focus on the design. The skill of visual programming to create a parametric design can efficiently produce more than one design alternatives within fraction of second. The visual programming skill is one of the most in demand skills in the industry. Moreover, thinking, sketching and formalizing an



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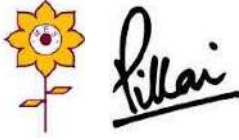
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	<p>algorithm for a parametric design leads to crystal clear understanding of proposed structure along with its phases of construction. Generating multiple design options for choosing the best possible solution considering client's need and the environment around needs a systematic approach which can easily be accomplished by creating good algorithm. The SDP is planned considering all the aspects and it is a beginner level program in which the participants will be introduced to the limitless possibilities with visual programming.</p>
Remarks	<p>SDP was successful and all participants achieved desired outcomes.</p>

Photographs





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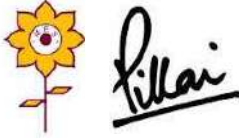
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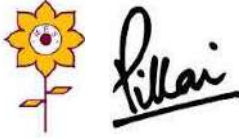
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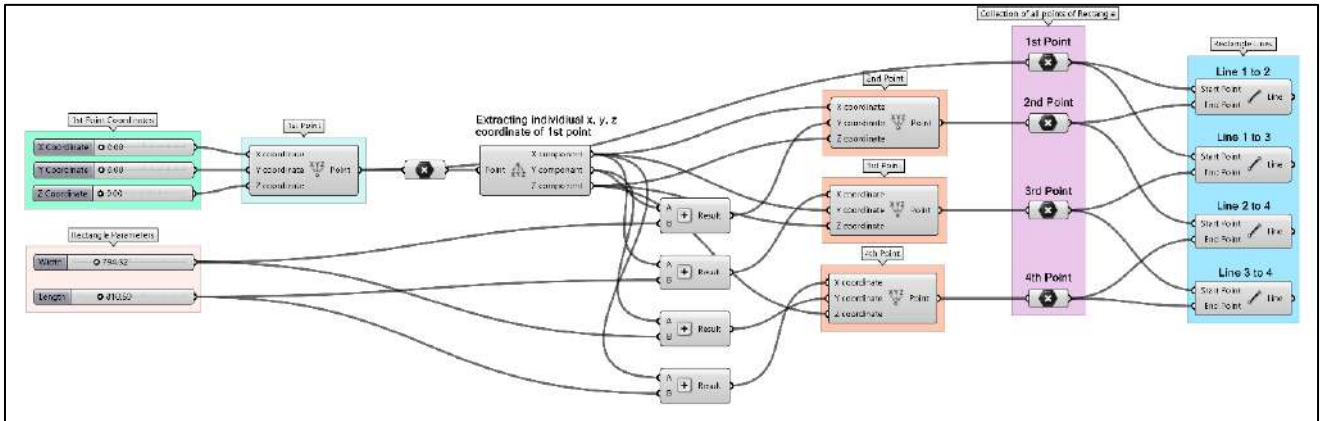
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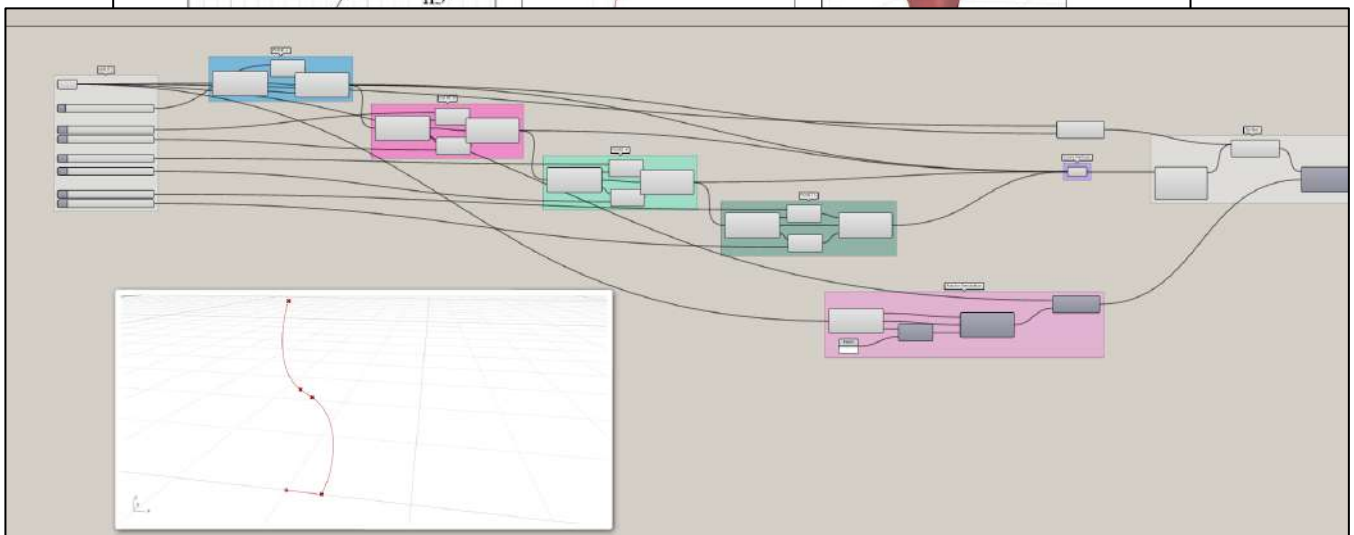
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Exercise





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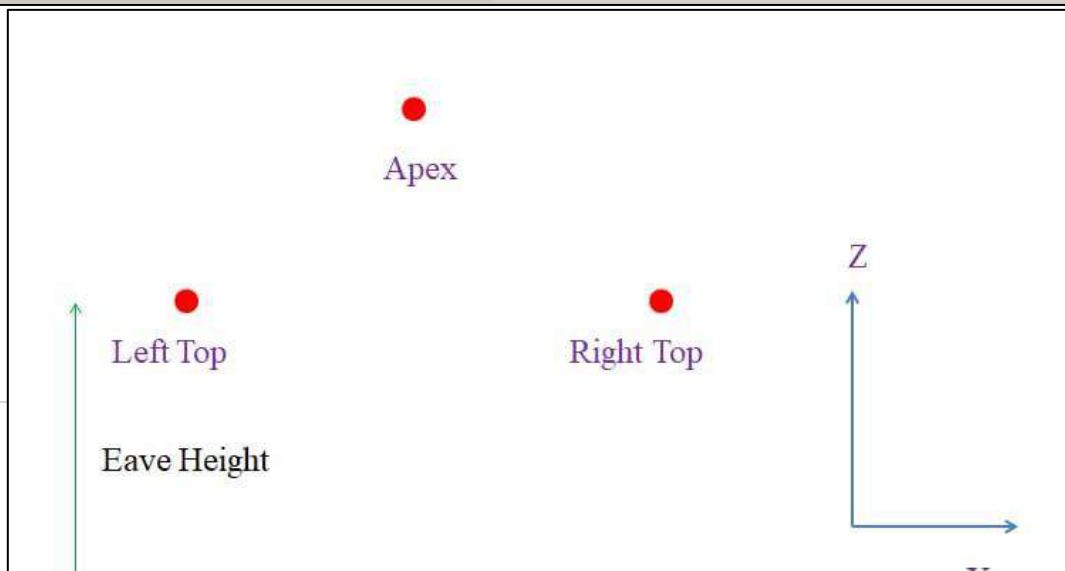
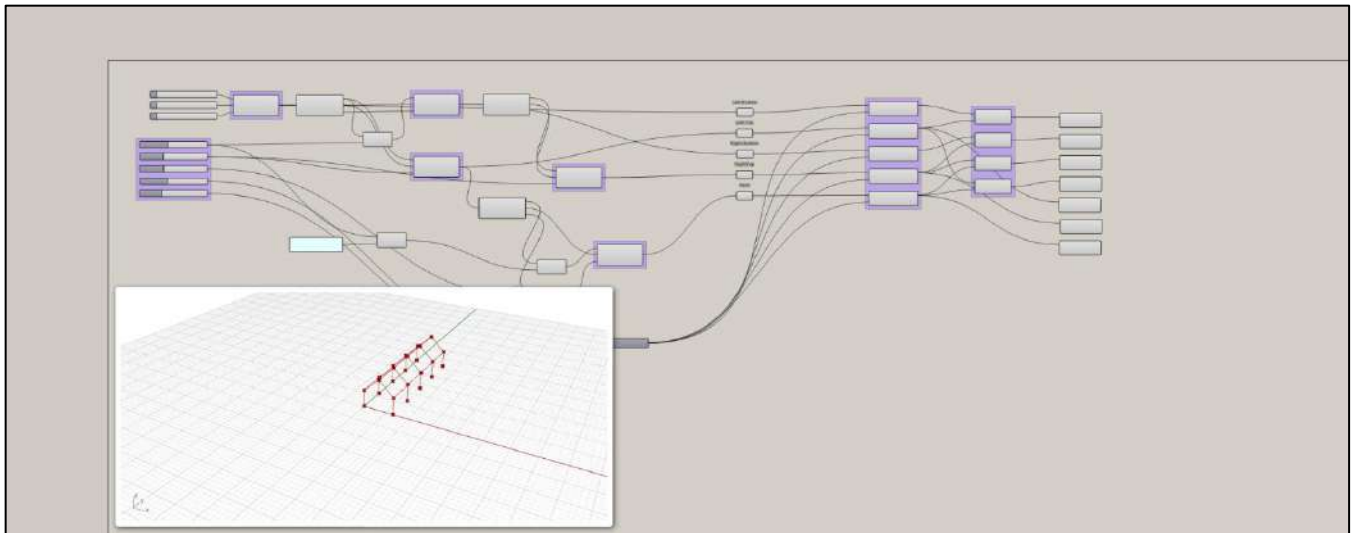
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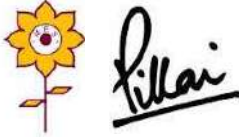
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Attendance –

UNIVERSITY OF MUMBAI PILLAI HOC COLLEGE OF ARCHITECTURE, RASAYANI Pillai HOCL Educational Campus, Via Panvel, Dist. Raigad - 410207												
ACADEMIC YEAR (2022-23)												
STUDENT DEVELOPMENT PROGRAM												
Course Name	Rhino Architecture											
Course Co-ordinator	Prof. Shivaji Sarvade											
Classroom	Computer Lab											
ATTENDANCE												
Name of the student	Semester	Division	02/05/2023	SIGN	03/05/2023	SIGN	04/05/2023	SIGN	05/05/2023	SIGN	06/05/2023	SIGN
Aarya Shinde	Semester 6	B		<i>Aarya</i>		<i>Aarya</i>		<i>Aarya</i>		<i>Aarya</i>		
Abdul Rahim Abdul Hafiz Mapka	Semester 5	B		<i>Abdul</i>		<i>Abdul</i>		<i>Abdul</i>		<i>Abdul</i>		
Ashutosh Patil	Semester 5	A		<i>Ashu</i>		<i>Ashu</i>		<i>Ashu</i>		<i>Ashu</i>		
Lokeshwari Kishor Mahale	Semester 5	A		<i>Lokesh</i>		<i>Lokesh</i>		<i>Lokesh</i>		<i>Lokesh</i>		
Parash Vinay Thakur	Semester 6	A		<i>Parash</i>		<i>Parash</i>		<i>Parash</i>		<i>Parash</i>		
Pragati Pawar	Semester 6	A										
Purva Atmarom Thakur	Semester 6	B		<i>Purva</i>		<i>Purva</i>		<i>Purva</i>		<i>Purva</i>		
Saike Paranjape	Semester 5	B		<i>Saike</i>		<i>Saike</i>		<i>Saike</i>		<i>Saike</i>		
Somruddhi Dinesh Naik	Semester 5	A		<i>Somru</i>		<i>Somru</i>		<i>Somru</i>		<i>Somru</i>		
Vinay Parshuram Patil	Semester 5	B		<i>Vinay</i>		<i>Vinay</i>		<i>Vinay</i>		<i>Vinay</i>		
Aishwarya Kala	Semester 6	A		<i>Aishw</i>		<i>Aishw</i>		<i>Aishw</i>		<i>Aishw</i>		
Kiran Patil	Semester 7	B		<i>Kiran</i>		<i>Kiran</i>		<i>Kiran</i>		<i>Kiran</i>		
Patil sayali pandurang	Semester 7	B		<i>Patil</i>		<i>Patil</i>		<i>Patil</i>		<i>Patil</i>		
Pooja Ashokkumar Varma	Semester 7	B		<i>Pooja</i>		<i>Pooja</i>		<i>Pooja</i>		<i>Pooja</i>		

Total no. of participants:

Signature of Faculty Incharge: *Shivaji Sarvade.*



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ACADEMIC YEAR (2022-23)												
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Name of the student	Semester	Division	02/05/2023	SIGN	03/05/2023	SIGN	04/05/2023	SIGN	05/05/2023	SIGN	06/05/2023	SIGN
Poomima	Semester 7	A		<i>Poomima</i>		<i>Poomima</i>		<i>Poomima</i>				
Sakshi Ashok Ghavate	Semester 7	B		<i>Ashok</i>		<i>Ashok</i>		<i>Ashok</i>		<i>Ashok</i>		
Samriddha Tambe	Semester 7	B		<i>Tambe</i>		<i>Tambe</i>		<i>Tambe</i>	<i>Tambe</i>	<i>Tambe</i>		
SHRADDHA BHAGWAT ATPAL	Semester 7	B		<i>ATPAL</i>		<i>ATPAL</i>		<i>ATPAL</i>		<i>ATPAL</i>		
Shravani Dhawale	Semester 7	B		<i>Dhawale</i>		<i>Dhawale</i>		<i>Dhawale</i>		<i>Dhawale</i>		
Sneha Rajiv Powar	Semester 7	B		<i>Powar</i>		<i>Powar</i>		<i>Powar</i>	<i>Powar</i>	<i>Powar</i>		
SWARAJ RAJENDRA THOMBA	Semester 7	B		<i>THOMBA</i>		<i>THOMBA</i>		<i>THOMBA</i>	<i>THOMBA</i>	<i>THOMBA</i>		
Aanya Alankar Thakur	Semester 7	B		<i>Thakur</i>		<i>Thakur</i>		<i>Thakur</i>		<i>Thakur</i>		
Samarth Zunjarrao	Semester 7	B		<i>Zunjarrao</i>		<i>Zunjarrao</i>		<i>Zunjarrao</i>	<i>Zunjarrao</i>	<i>Zunjarrao</i>		
Saranya Prakash A	Semester 8	B		<i>Saranya</i>		<i>Saranya</i>		<i>Saranya</i>	<i>Saranya</i>	<i>Saranya</i>		

Total no. of participants: 24

Signature of Faculty Incharge: *Shivaji Sarvade*