



# PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

(Approved by AICTE & Affiliated to Anna University, Chennai)

Madurai - Sivagangai Highway, Arasanoor, Thirumansolai Post, Sivagangai Dt. - 630 561, Tamilnadu

Mobile : 9842102628, 7373002628

Email: info@psyec.edu.in

Website : www.psyec.edu.in

City Office : 10, Pandian Saraswathi St, Sivagami Nagar, Narayanapuram, Madurai - 625 014. Telefax- 0452 2682338, Mobile : 98423-02628

## Academic year 2019-2020

**3.1 grants received from Government and non government agencies for research projects/endowments in the institution during the academic year 2019-2020 (INR in Lakhs) are listed below**

S.No	Name of the research project/ endowment	Name of the Principal Investigator/Co-investigator	Name of the Funding Agency	Amount Sanctioned
1.	Design Drawing and Estimation of Building	Mr.N.Thamarai Selvan	Harini Construction	4,50,000
	Total amount received from Grants			4,50,000 <b>(Four Lakhs &amp; Fifty Thousands only)</b>



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To

Er.J.Venkataraman M.E  
Harini Construction  
No 4022 TNHB colony  
Villapuram, Madurai = 625011.

Dear Sir / Madam

Sub: **Request for approval and support for funded project-reg**

We are in civil engineering Department of PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE is functioning effectively from 2000. We are ready to do the funded project on "DESIGN, DRAWING AND ESTIMATION OF BUILDINGS in association with your concern. This project will go to work out by our faculty investigator Mr. N. Thamraiselvan Assistant Professor, Civil Engineering Department it helps this is project to our faculty seems to be innovative and would be high social relevance. Kindly Accept the same.

Thanking you

PRINCIPAL

Dr.R.Palanichamy  
PRINCIPAL  
PANDIAN SARASWATHI YADAV  
ENGINEERING COLLEGE  
Arasanoor, Thirumansolai P.O-630 561.  
Sivagangai Dist, Tamil Nadu





**Er. J. Venkataraman**

M.E., M.Sc. (R.E. Valuation), M.I.E., F.I.V.

Chartered Engineer

Regd. Valuer in IT & Wealth Tax (No. 17/RV/19-20)

Regd. Valuer under Company Act (No. IBBI/RV/02/2020/12735)

Panel Valuer : Canara Bank, PNB, Union Bank, UCO Bank, LIC HFL & TNHB

To

Mr. N. Thamaraiselvan  
Assistant Professor / Civil,  
Department of Civil Engineering,  
Pandian Saraswathi Yadav Engineering College,  
Arasanoor, Sivagangai.

Dear Sir / Madam

Sub: Acceptance and Provision of Financial Assistance for funded project – Reg.

I am happy to inform that the proposal submitted by the Department of civil engineering under the work titled. "DESIGN, DRAWING AND ESTIMATION OF BUILDINGS" has selected and approved by our organization and sanctioned Rs 4,50,000/- (Four Lakh Fifty Thousand only) as the project seems to be innovative and would be high social relevance.

In this regard the principal investigation is requested to complete the work and submit the monthly report of the completion status along with the presentation file to the company address without fail.

Project Title	Principal Investigator	Project Duration	Possible Fund
Design Drawing and Estimation of Buildings	Mr..N.Thamaraiselvan Assistant Professor / Civil,	2 Years	4,50,000 / -

Thanking You  
Er.J.Venkataraman M.E  
Harini Construction  
Madurai.



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## DEPARTMENT OF CIVIL ENGINEERING PROJECT

### PROPOSAL FOR FUND

S.No	Items	Details
1.	Project Title	Design, Drawing and Estimation of Buildings
2.	Project Type	To prepare a structural Design based on Indian standard Code provision like Beam, Column, Slab, Stair Case and Footing etc. and also prepare the Estimation of the project as per specification.
3.	Objectives	We should able to understand the building design for framed structures and also, we get knowledge about designing software. To design a functional and aesthetically pleasing building. To ensure structural integrity and safety. To incorporate sustainable and energy-efficient solutions. To provide accurate cost and material estimations.
4.	Methodology	To Prepare a plan the methodology for this project involves Structural Design Estimation several stages:  <b>1. Preliminary Research:</b> Reviewing existing literature and case studies.

		<p>2. <b>Site Analysis:</b> Assessing the location for environmental, topographical, and regulatory factors.</p> <p>3. <b>Design Development:</b> Creating architectural, structural, and MEP designs.</p> <p>4. <b>Estimation:</b> Calculating material requirements, costs, and project timelines.</p>
5.	Total Cost Required	Rs 4,50,000 / -
6.	Summary	<p>From this proposal We got design experience in different types of buildings and we get more confident to make a design for larger areas. The design, drawing, and estimation of buildings are integral stages in the construction process, each playing a crucial role in turning architectural visions into reality. Design begins with conceptualizing the project's purpose and scope, progresses through schematic and design development phases, and culminates in detailed construction documents. These documents serve as blueprints for builders and legal records for contractual agreements. Drawing, encompassing architectural, structural, MEP (mechanical, electrical, and plumbing), and landscape plans, translates design concepts into precise visual instructions for construction. Estimation involves calculating costs and quantities of materials and labor, ensuring financial feasibility and guiding budget management throughout the project. Modern tools like CAD</p>

		and BIM software enhance accuracy and efficiency in these stages, fostering collaboration among architects, engineers, and contractors. Together, these processes ensure the creation of functional, aesthetically pleasing, and cost-effective buildings.
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Signature of the Investigator

Mr.N.Thamaraiselvan

Signature of the Principal

Dr.R. Palanichamy  
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To

Er.J.Venkataraman M.E  
Harini Construction  
No 4022 TNHB colony  
Villapuram, Madurai = 625011.

Dear Sir / Madam

Sub: Utilized fund from your company - Reg

Name of the guide : Mr. N. Thamaraiselvan

Title of the project : Design, Drawing and Estimation of Buildings

Sanctioned Order No : FP / DDE / 111.20

Sanctioned Date : 06.03.2020

It is certified that a sum of Rs 4,50,000/- (Rupees Four Lakh Fifty Thousand) sanctioned by your company for carrying out the above-mentioned student project has been utilized for the purpose for which it was sanctioned and sum of Rs.0(Nil) remaining unutilized is refunded

Signature of the Investigator

Mr.N.Thamaraiselvan

Signature of the Principal

Dr.R. Palanichamy

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