

Sanctioned Internally Funded Student Projects (IFSP-2023)

**SRI SIVASUBRAMANIYA NADAR COLLEGE OF ENGINEERING  
KALAVAKKAM-603110**

**CIVIL - UG STUDENT PROJECTS**

S. No	Name and Year of the Student(s)	Project Guide(s)	Title of the Project	Duration	Budget & Items Approved
1	S. Dakshetha N. Jewison Jacob S. Kranisha II Year	Dr. S. Ramanagopal	Effect of sulphuric acid on the performance of concrete containing silicon carbide by measuring cover and carbonation depth	10 months	<b>Budget: Rs.28000</b>  <b>Items Approved:</b> 1. Wall and Concrete Floor Scanner 2. Carbonation Kit 3. Consumables 4. Miscellaneous
2	S. Archana A. Poorneshwaran K. Sanmati S. Santhosh Kumar II Year	Dr. R. Vijayalakshmi	Mechanical and durability properties of masonry mortar containing waste concrete powder as a supplementary cementitious material and fine aggregate	1 Year	<b>Budget: Rs.24000</b>  <b>Items Approved:</b> 1. Acids 2. Materials 3. Mould 4. Miscellaneous
3	Mallichetty Eka Vardhan Duruv S Pathangi S. Ravi Raam Gowda Bhuvaneshwar II Year	Dr. P. Sangeetha	Performance of mortar and concrete with nano silica – Mechanical and durability study	10 months	<b>Budget: Rs.24000</b>  <b>Items Approved:</b> 1. Nano Silica 2. Consumables 3. Miscellaneous

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4	M. Dhuvarakesh S. Harini R. Jeevitha J. Karthikeyan II Year	Dr. P. Sangeetha	Effect of stiffeners spacing on the flexural behaviour of cold-formed steel castellated beam	10 months	<b>Budget: Rs.28000</b> <b><u>Items Approved:</u></b> 1. Strain Gauges 2. Consumables 3. Miscellaneous
5	S. A. Magendra Kamalnath M. Nitesh III Year	Dr. Jijo James Dr. S.V. Sivapriya	Expansive soil slope protection using nano silica by deep soil mixing	1 year	<b>Budget: Rs.18000</b> <b><u>Items Approved:</u></b> 1. Loading Frame 2. Chemicals 3. Miscellaneous
6	M. Vignesh Govind Kashyap III Year	Dr. S.V. Sivapriya	Arachis hypogaea Shell ash and fibers as a tertiary soil stabilizing agent in expansive soil	1 Year	<b>Budget: Rs.10000</b> <b><u>Items Approved:</u></b> 1. Fabrication 2. Miscellaneous
7	S. Akshaikrishnaraj S. Balaji I. Karthick Vikraam II Year	Dr. S. Ramanagopal	Study the behaviour of cold formed steel tubular T-joints at intersection for various strengthening methods	10 months	<b>Budget: Rs.28000</b> <b><u>Items Approved:</u></b> 1. Strain Gauges 2. Consumables 3. Fabrication 4. Miscellaneous

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8	Kalaimagal Nitish Kanna Vanaja Yogesh III Year	Dr. R. Vijayalakshmi	Study on the properties of alkali activated fly ash aggregate light weight concrete	1 Year	<b>Budget: Rs.24000</b> <b><u>Items Approved:</u></b> 1. Consumables 2. Miscellaneous
9	M. N. Nishta G. Saarusha S. Srinidhi B. Thrufлга II Year	Dr. P. Sangeetha	Effect of chord length on the behaviour of cold-formed steel tubular T-joints	10 Months	<b>Budget: Rs.28000</b> <b><u>Items Approved:</u></b> 1. Strain Gauges 2. Consumables 3. Fabrication 4. Miscellaneous
10	N. Annamalai Hariharan Sai Akshara B.Suganeshwar	Dr. R. Srinath Dr. N. Sivakumar	Effect of terminalia chebula on the thermal performance of brick bat, lime concrete	1 Year	<b>Budget: Rs.26000</b> <b><u>Items Approved:</u></b> 1. Moulds 2. Material 3. Sensor 4. Miscellaneous