

# NANDHA ENGINEERING COLLEGE

(AUTONOMOUS)

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

ERODE – 638052, TAMILNADU



## Department of Mechanical Engineering

### Consultancy Details (2018 – 2019)

PROJECT TITLE	DURATION	FUNDING AGENCY	AMOUNT (Rs.)
Valve Design for irrigation system	6 Months	JK System and Irrigator Industry, Chennimalai.	9,000/-
Valve bonnet - Radiography Test (NDT)	6 Months	VJ NDT Services, Coimbatore	11,000/-
Testing of Mechanical properties	6 Months	Agni Steels Private Limited, Erode	1,000/-
Compression test	6 Months	Agni Steels Private Limited, Erode	600/-
Hardness test	6 Months	Sanmathi constructions, Erode	500/-
Torsion test	6 Months	Agni Steels Private Limited, Erode	500/-
Performance test of biodiesel in diesel engine	6 Months	Jai ShriRam Engineering College, Tirupur	3,000/-
Cutting parameter optimization	6 Months	Subavalar industries, Perundurai	2,500/-
Productivity improvement in steering knuckle machining line	6 Months	Sakthi Auto Components Pvt. Ltd, Pallagoundanpalayam	900/-
Design of multipurpose jigs and fixtures for crankcase	6 Months	Diesel Machinery Works, Perundurai	9,600/-
Testing of materials	6 Months	Annai Infra Developers Private Limited, Erode	19,000/-
Testing of materials	6 Months	Annai Infra Developers Private Limited, Erode	21,150/-
Design of machining plant layout	6 Months	Vembro Polymers, Erode	7,000/-
Design of fixtures for radiating finned bonnet	6 Months	Diesel Machinery Works, Perundurai	18,000/-
Design of waste heat collection systems	6 Months	Sindhu Gangai Modern Rice mill, Kangayam	5,000/-
Testing of water samples	6 Months	Floflex Industries,	1,000/-
<b>Total Amount (Rs.)</b>			<b>1,09,750/-</b>

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### Consultancy Details (2019– 2020)

PROJECT TITLE	DURATION	FUNDING AGENCY	AMOUNT (Rs.)
Fabrication of Trencher wheel attachment for mini tractor	6 Months	Mr. Natraj, Salem	10,000/-
Design and fabrication of waste heat recovery systems	6 Months	Sindhu Gangai Modern Rice mill, Kangayam	23,000/-
Machining and drilling of automatic thread control system for power loom	6 Months	Mass Electronics, Perundurai	27,030/-
Material Testing	6 Months	Trineva Infra Projects Pvt. Ltd,	8,950/-
Material handling system	12 Months	Shanmathi Constructions Pvt. Ltd, Erode	1,91,760
Material handling system	12 Months	Shanmathi Constructions Pvt. Ltd, Erode	88,540
<b>Total Amount (Rs.)</b>			<b>3,49,280/-</b>

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### Consultancy Details (2020– 2021)

PROJECT TITLE	DURATION	FUNDING AGENCY	AMOUNT (Rs.)
Fabrication of manual and electric operated tricycle	6 Months	M/S, ABV Industries, Perundurai	10,000/-
Fabrication of Automatic road and floor Sweeper machine	6 Months	M/S, ABV Industries, Perundurai	5,000/-
<b>Total Amount (Rs.)</b>			<b>15,000/-</b>

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### Consultancy Details (2021– 2022)

PROJECT TITLE	DURATION	FUNDING AGENCY	AMOUNT (Rs.)
Design and analysis of Catalytic converter	6 Months	M/S, SAN Engineering Solutions, Perundurai	85,932/-
<b>Total Amount (Rs.)</b>			<b>85,932/-</b>

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### Consultancy Details (2022– 2023)

PROJECT TITLE	DURATION	FUNDING AGENCY	AMOUNT (Rs.)
Design and Fabrication of Construction mini Lift.	6 Months	M/S, Shamathi Constructions Pvt. Ltd., Erode	1,02,550
Design and Fabrication of Brick Crushing Machine	6 Months	M/S, Shamathi Constructions Pvt. Ltd., Erode	96,350
Fabrication of Manual and Electric operated Tricycle	6 Months	M/S, A B V Industries, Erode	31,000
Trencher Wheel Attachment for Tractor attachments	6 Months	M/S, A B V Industries, Erode	29,000
Experiment of Fuel Cell Lab	6 Months	Bannari Amman Institute of Technology, Sathyamangam	5,000
Design and Fabrication of Material handling Transporter	6 Months	M/S, SRS Industries, Perundurai	30,000
Design and Fabrication of Paver Demoulding Machine	6 Months	M/S, Sri Kannan Enterprises, Coimbatore	30,000
Design and Fabrication Cooling Tower	6 Months	M/S, Linkra Wires & Cables Pvt. Ltd, Nasiyanut	40,000
Design, development and fabrication of oil expeller for groundnut seeds	6 Months	Devi Industries, Coimbatore	40,000
<b>Total Amount (Rs.)</b>			<b>4,03,900/-</b>

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### Consultancy Details (2023– 2024)

PROJECT TITLE	DURATION	FUNDING AGENCY	AMOUNT (Rs.)
Design and fabrication of vibrating table for paver block	6 Months	Sri Kandan Enterprises, Coimbatore	60,000
Design and analysis of jigs and fixtures	6 Months	M/S, Vertex Research Centre Pvt. Ltd, Tirupur	60,000
Design and fabrication of bolt together radius conveyor	6 Months	Krishna Garments, Tiruppur.	40,137
Mold design optimization of pump impeller	6 Months	M/S, SRS Industries, Erode	30,000
Design of low cost jaw stone crushing machine	6 Months	A.N.S Mines & Minerals, Erode	25,000
Design of Material handling system	6 Months	Geethanjali Interiors and Designers, Erode	20,565
Design and Fabrication of Automatic Track Guided Vehicle	6 Months	Ananthakumar Electrical Contract Work, Erode	50,000
<b>Total Amount (Rs.)</b>			<b>2,85,702/-</b>

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### Consultancy Details (2024– 2025)

PROJECT TITLE	DURATION	FUNDING AGENCY	AMOUNT (Rs.)
Design and Analysis of fuel cell	6 Months	JKK Munirajah College of Technology	10,000
Design and analysis of Fork lift	6 Months	M/S. Vertex Research Centre Pvt. Ltd, Tirupur	46,240
Manual brick making machine	6 Months	M/S. Sri Kandan Enterprises, Coimbatore	59,000
Design and optimization of conveyor systems for efficient coal handling equipment	6 Months	M/S, Cherraan Services, Perundurai	70,800
Design and Analysis of Material Handling system	6 Months	Geethanjali Interiors and Designers, Erode	23,440
<b>Total Amount (Rs.)</b>			<b>2,09,480/-</b>