

SHRI DHARMASTHALA MANJUNATHESWARA COLLEGE

(AUTONOMOUS) UJIRE - 574240

Re-Accredited at A++ Grade by NAAC

A Project Report on

NATURE AND PROPERTIES OF GELL-MANN MATRICES AND SOME APPLICATIONS

Submitted for the partial fulfilment for the award of degree in

Master of Science in Physics

Submitted by

Mr. Ametar Abhinandan (P05SY22S103033)

Ms. PR Gowri Priya (P05SY22S103038)

Mr. Gowda Sohan Vishnu Radha (P05SY22S103052)

Under the guidance of

Dr. RAGHAVENDRA S

Associate Professor and Head

Department of Post Graduate Studies and Research in Physics

JULY 2024



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A Project Report on

THE SEE-SAW MECHANISM FOR NEUTRINO OSCILLATION PROBLEM AND THE PMNS MATRIX

Submitted for the partial fulfilment for the award of degree in Master of Science in Physics

Submitted by

Mr. Pavankumar Hegde (P05SY22S103041)

Ms. Saminaz (P05SY22S103037)

Mr. Sunath Kumar M (P05SY22S103043)

Under the guidance of

Dr. RAGHAVENDRA S

Associate Professor and Head

Department of Post Graduate Studies and Research in Physics



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A Project Report on

"DESIGN AND ANALYSIS OF A MICROSTRIP PATCH ANTENNA AS A SOIL MOISTURE SENSOR"

Submitted for the part ial fulfilment for the award of degree in

Master of Science in Physics

Submitted by

Mr. ASWIN BABU N P (P05SY22S103032)

Mr. JISHNU K (P05SY22S103039)

Under the guidance of

Dr. Sahana K

Associate Professor

Department of Post Graduate Studies and Research in Physics



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A Project Report on
STUDY OF MICROSTRIP ANTENNA ARRAYS

Submitted for the partial fullment for the award of degree in Master of Science in Physics

Submitted by

Ms. Anagha K V (P05SY22S103030)

Ms. Anuvarnika M A (P05SY22S103031)

Ms. Prajisha P (P05SY22S103034)

Under the guidance of

Dr. SAHANA K

Associate Professor

Department of Post Graduate Studies and Research in Physics



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A Project Report on

STUDY OF FRACTAL ANTENNA FOR MULTIBAND

APPLICATIONS

Submitted for the partial fulfilment for the award of degree in

Master of Science in Physics

Submitted by

Ms. Sharika P (P05SY22S103029)

Ms. Sreeshna K V (P05SY22S103036)

Under the guidance of

Dr. SAHANA K

Associate Professor

Department of Post Graduate Studies and Research in Physics



SHRI DHARMASTHALA MANJUNATHESHWARA COLLEGE (AUTONOMOUS) Ujire - 574240 Re-Accredited by NAAC with A⁺⁺ Grade

Department of Postgraduate Studies and Research in Physics
(Afliated to Mangalore University)

A Project Report on

Comparative study of Microstrip Patch Antenna with different substrate materials for wireless applications

Submitted for the partial fulllment for the award of degree in Master of Science in Physics

Submitted by

Ms. Shree Vidhya P05SY22S103035

Under the guidance of Ms. Sowmya K. Assistant Professor

Department of Post Graduate Studies and Research in Physics



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A Project Report On

"Vehicle Fuel Theft Detection and Leakage Indicator System"

Submitted for the partial fulfilment for the award of a degree in

Master of Science in Physics

Submitted by

Mr. Parikshith (P05SY22S103028)

Under the guidance of

Ms. Sowmya K

Assistant Professor

Department of PG Studies and Research in physics



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A Project Report on

Comparative study of Microstrip Patch Antenna with different patch shapes for wireless applications

Submitted for the partial fullment for the award of degree in Master of Science in Physics

Submitted by

Ms. Soujanya Ramesh Patgar P05SY22S103051

Under the guidance of Ms. Sowmya K.
Assistant Professor

Department of Post Graduate Studies and Research in Physics



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Department of Postgraduate Studies and Research in Physics

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A Project Report on

STRUCTURAL AND NON-LINEAR OPTICAL INVESTIGATION ON A CENTROSYMMETRIC ORGANIC CHALCONE"

Submitted for the partial fulfilment for theyard of Degree in

Master of Science in Physics Submitted by Ms. Deepika P R (P05SY22S103042)

Ms. Prakrathi (P05SY22S103040)

Ms. Sushmitha B (P05SY22S103045)

Ms. Kaveri N P (P05SY22S103044)

Ms. Mandara S B (P05SY22S103050)

Under the Guidance of
Dr. D. Haleshappa
Assistant Professor
Department of Post Graduate Studies and Research in Physics
July-2024



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Department of Postgraduate Studies and Research in Physics

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A Project Report on

"STRUCTURE - PROPERTY ANALYSIS OF NOVEL ORGANIC HETERO-PHENYL DERIVATIVES FOR PHOTONIC APPLICATION S"

Submitted for the partial fulfilment for the Award of a Degree in

Master of Science in Physics

Submitted by

Ms. Geetanjali (P05SY22S103047)

Ms. Rashmitha (P05SY22S103049)

Ms. Nisha M Naik (P05SY22S103046)

Ms. Sindhu M (P05SY22S103048)

Mr. Manoj K N (P05SY22S103027)

Under the Guidance of

Dr. D. Haleshappa

Assistant Professor

Department of Post Graduate Studies and Research in Physics

July - 2024