F. Format for information **on students undertaking internships/Field Projects/Research projects** (for the latest batch of students)

List of students undertaking field projects /Research Projects			
Program Code	**Programme name**	**Name of students undertaking field/research projects**	**e-copy of certificates to be provided**
PG85PJ406	**Project in Nuclear and Particle Physics (**Neutron irradition effect on pencil tracers shaded on paper and their sensing applications**)**	Paragouda Patil	Enclosed
PG85PJ406	**Project in Nuclear and Particle Physics (**Neutron irradition effect on pencil tracers shaded on paper and their sensing applications**)**	Renuka P.	Enclosed
PG85PJ406	**Project in Nuclear and Particle Physics (**Neutron irradition effect on pencil tracers shaded on paper and their sensing applications**)**	Pooja Magadum	Enclosed
PG85PJ406	**Project in Nuclear and Particle Physics (**Synthesis and characterization of cdse doped pmma nanocomposites)	Sandhya Rathod	Enclosed
PG85PJ406	**Project in Nuclear and Particle Physics (**Synthesis and characterization of cdse doped pmma nanocomposites)	Saniya Mulla	Enclosed
PG85PJ406	**Project in Nuclear and Particle Physics (**Synthesis and characterization of cdse doped pmma nanocomposites)	Saqlain Dawalbhai	Enclosed
PG85PJ406	**Project in Nuclear and Particle Physics (**Determination of gamma ray buildup factors for some topological materials)	Anusha S. Kandakur	Enclosed

PG85PJ406	**Project in Nuclear and Particle Physics (**Determination of gamma ray buildup factors for some topological materials)	Guruprasad Hegde	Enclosed
PG85PJ406	**Project in Nuclear and Particle Physics (**Determination of gamma ray buildup factors for some topological materials)	Jeevan Ager	Enclosed
PG85PJ406	**Project in Nuclear and Particle Physics (**Determination of gamma ray buildup factors for some topological materials)	Keerthi Shivalli	Enclosed
PG85PJ406	**Project in Nuclear and Particle Physics (**Determination of gamma ray buildup factors for some topological materials)	P. V. Ranjitha	Enclosed
PG85PJ406	**Project in Nuclear and Particle Physics (**Elemental analysis of medicinal plants)	Shilpa Doddamani	Enclosed
PG85PJ406	**Project in Nuclear and Particle Physics (**Elemental analysis of medicinal plants)	Sindhu Korishettar	Enclosed
PG85PJ406	**Project in Nuclear and Particle Physics (**Elemental analysis of medicinal plants)	Vijayalaxmi Devagiri	Enclosed
PG85PJ406	**Project in Nuclear and Particle Physics (**Elemental analysis of medicinal plants)	Siddu Patil	Enclosed
PG85PJ406	**Project in Nuclear and Particle Physics (**Elemental analysis of medicinal plants)	Suman Kwati	Enclosed
PG85PJ406	**Project in Nuclear and Particle Physics (**Elemental analysis of	Suprada Chouinishi	Enclosed

	medicinal plants)		
PG85PJ406	**Project in Atomic & Molecular Physics** (Infrared and Raman Spectroscopic study of Indene)	Renukaradhya S. G.	Enclosed
PG85PJ406	**Project in Atomic & Molecular Physics** (Infrared and Raman Spectroscopic study of Indene)	Vijayalakshmi	Enclosed
PG85PJ406	**Project in Atomic & Molecular Physics** (Infrared and Raman Spectroscopic study of Indene)	Virupaksha sorabad	Enclosed
PG85PJ406	**Project in Atomic & Molecular Physics** (Infrared spectroscopy of 5-fluoro-2-methylbenzoic acid)	S. C. Chinmayi	Enclosed
PG85PJ406	**Project in Atomic & Molecular Physics** (Infrared spectroscopy of 5-fluoro-2-methylbenzoic acid)	Soumya Metrani	Enclosed
PG85PJ406	**Project in Atomic & Molecular Physics** (Infrared spectroscopy of 5-fluoro-2-methylbenzoic acid)	Sukhesh Kulkarni	Enclosed
PG85PJ406	**Project in Atomic & Molecular Physics** (Infrared spectroscopic study of 4-hydroxybenzaldehyde)	Apeksha U. S.	Enclosed
PG85PJ406	**Project in Atomic & Molecular Physics** (Infrared spectroscopic study of 4-hydroxybenzaldehyde)	Gayatri	Enclosed
PG85PJ406	**Project in Atomic & Molecular Physics** (Vibrational Spectroscopic study of Chelidonic acid)	Anupama V. Manglennavar	Enclosed
PG85PJ406	**Project in Atomic & Molecular Physics** (Vibrational Spectroscopic study of Chelidonic acid)	Amruta Dambal	Enclosed

PG85PJ406	**Project in Atomic & Molecular Physics** (Infrared spectroscopic study of alyal alcohol and acrolein)	Maruti Prasad T.	Enclosed
PG85PJ406	**Project in Atomic & Molecular Physics** (Infrared spectroscopic study of alyal alcohol and acrolein)	Neha Rathod	Enclosed
PG85PJ406	**Project in Atomic & Molecular Physics** (Infrared spectroscopic study of alyal alcohol and acrolein)	Nikhil V R	Enclosed
PG85PJ406	**Project in Electronics & Communication** (Portable function generator sing icl8038 and its applications)	Tasleem S. Nadaf	Enclosed
PG85PJ406	**Project in Electronics & Communication** (Portable function generator sing icl8038 and its applications)	Vachan S. Bandi	Enclosed
PG85PJ406	**Project in Electronics & Communication** (Portable function generator sing icl8038 and its applications)	Vasavi Bhat	Enclosed
PG85PJ406	**Project in Electronics & Communication** (Portable function generator sing icl8038 and its applications)	Venugopal Nayak	Enclosed
PG85PJ406	**Project in Electronics & Communication** (boolean algebra calulator using C++ programming)	Nirmala S. Dhangi	Enclosed
PG85PJ406	**Project in Electronics & Communication** (boolean algebra calulator using C++ programming)	Puspha Lamani	Enclosed
PG85PJ406	**Project in Electronics & Communication** (boolean algebra	Rakesh S. Kandgal	Enclosed

	calulator using C++ programming)		
PG85PJ406	**Project in Electronics & Communication** (boolean algebra calulator using C++ programming)	Shafina Naaz Bilagi	Enclosed
PG85PJ406	**Project in Electronics & Communication** (DC motor speed control using pwm generator by NE-555 timer : as a stirrer)	Akshay A. Bhat	Enclosed
PG85PJ406	**Project in Electronics & Communication** (DC motor speed control using pwm generator by NE-555 timer : as a stirrer)	Koushik Pandit	Enclosed
PG85PJ406	**Project in Electronics & Communication** (DC motor speed control using pwm generator by NE-555 timer : as a stirrer)	Megha Turaidar	Enclosed
PG85PJ406	**Project in Electronics & Communication** (DC motor speed control using pwm generator by NE-555 timer : as a stirrer)	Meghana B.	Enclosed
PG85PJ406	**Project in Electronics & Communication** (Bessel function generation, its properties and realization by electronic circular simulator)	Shiny Horta	Enclosed
PG85PJ406	**Project in Electronics & Communication** (Bessel function generation, its properties and realization by electronic circular simulator)	Shreenavya Bhatt	Enclosed
PG85PJ406	**Project in Electronics & Communication** (Bessel function generation, its properties and realization by electronic circular	Shwetha Marjedi	Enclosed

	simulator)		
PG85PJ406	**Project in Electronics & Communication** (Bessel function generation, its properties and realization by electronic circular simulator)	Swetha Rayar	Enclosed
PG85PJ406	**Project in Solid State Physics** (Dielectric Properties of Different Solvents)	Akshta M. Algeri	Enclosed
PG85PJ406	**Project in Solid State Physics** (Dielectric Properties of Different Solvents)	Chandrika Bhosge	Enclosed
PG85PJ406	**Project in Solid State Physics** (Dielectric Properties of Different Solvents)	Kasimsab K	Enclosed
PG85PJ406	**Project in Solid State Physics** (Dielectric Properties of Different Solvents)	Parvati S. Kamble	Enclosed
PG85PJ406	**Project in Solid State Physics** (Synthesis and Extraction of Sodium Silicate from Sand)	Ameer Sohail Nadaf	Enclosed
PG85PJ406	**Project in Solid State Physics** (Synthesis and Extraction of Sodium Silicate from Sand)	Sahana G. Gaonkar	Enclosed
PG85PJ406	**Project in Solid State Physics** (Synthesis and Extraction of Sodium Silicate from Sand)	Shahana A. Sayed	Enclosed
PG85PJ406	**Project in Solid State Physics** (Solution Based Arc Deposition by Nanparticles)	Anjana S. Buradekatti	Enclosed
PG85PJ406	**Project in Solid State Physics** (Solution Based Arc Deposition by	Sheetal S. Naik	Enclosed

	Nanparticles)		
PG85PJ406	**Project in Solid State Physics** (Solution Based Arc Deposition by Nanparticles)	Usha M. Rangannavar	Enclosed
PG85PJ406	**Project in Solid State Physics** (Stretchable Graphite-resin Sensor)	Keerthi R. B.	Enclosed
PG85PJ406	**Project in Solid State Physics** (Stretchable Graphite-resin Sensor)	Shreenidhi V. Hegde	Enclosed
PG85PJ406	**Project in Solid State Physics** (Stretchable Graphite-resin Sensor)	Sudha Bhat	Enclosed
PG85PJ406	**Project in Solid State Physics** (Literature Review on Solar Desalination)	Rakeshkumar Kavalagi	Enclosed
PG85PJ406	**Project in Solid State Physics** (Literature Review on Solar Desalination)	Ramesh S. Gouda	Enclosed
PG85PJ406	**Project in Solid State Physics** (Literature Review on Solar Desalination)	Shambhuling H. Chakrasali	Enclosed

KARNATAK UNIVERSITY, DHARWAD

DEPARTME[illegible] HYSICS

CERTIFICATE

This is to certify that **Mr.Paragouda Patil, Ms.Renuka P.** and **Ms.Pooja Magadum** have satisfactory completed project course PHSPJ 4.6 in Nuclear Physics entitled **"NEUTRON IRRADIATION EFFECT ON PENCIL TRACES SHADED ON PAPER AND THEIR SENSING APPLICATIONS"** in partial fulfilment of the M.sc degree in Physics.

31/8/2021

Prof . R. F. Bhajantri
Project supervisor

Chairman
Department of Physics

Place: Dharwad
Date : 31-8-2021

Examiners
1)
2)

KARNATAK UNIVERSITY, DHARWAD

Re-accredited by NAAC 'A' Grade
"University with potential for Excellence"

A PROJECT REPORT ON

"Synthesis and Characterization of CdSe doped PMMA Nanocomposites"

Master of Science in Physics

Submitted by

Sandhya Rathod **Reg no: 19S16060**
Saniya Mulla **Reg no: 19S16061**
Saqlain Husain Dawalbhai **Reg no: 19S16062**

Under the guidance of

Prof. R.F. Bhajantri
Department of Studies in Physics
Karnatak University, Dharwad

2020-21

KARNATAK UNIVERSITY DHARWAD

CERTIFICATE

This is to certify that the project report entitled **"Synthesis and Characterization of CdSe doped PMMA Nanocomposites"** submitted by **Sandhya Rathod , Saniya Mulla** and **Saqlain Husain Dawalbhai** to the Department Of Studies in Physics, Karnatak University Dharwad, for the award of degree of Master of Science in Physics is the result of project work carried out by our team at Post Graduate Department studies in Physics, Karnatak University Dharwad under my supervision during the academic year 2020-21.

31/8/2021

Prof. R.F. Bhajantri
Project Supervisor

Chairman
Department of Physics,
K. U, Dharwad

Place: Dharwad

Date:

Examiners

1)

2)

Project Report On

ELEMENTAL ANALYSIS OF MEDICINAL PLANTS

Re-Accredited by NAAC with 'A' Grade

University with Potential for Excellence.

DISSERTATION SUBMITTED TO

THE KARNATAKA UNIVERSITY, DHARWAD

FOR THE PARTIAL FULFILMENT OF DEGREE OF

Master of Science

In

Physics

Submitted By

SHILPA P DODDAMANI	19S16066
SINDHU KORISHETTAR	19S16073
VIJAYALAXMI DEVAGIRI	19S16086

DEPARTMENT OF PHYSICS

KARNATAK UNIVERSITY, DHARWAD

Under The Guidance of

Dr. A. S. Bennal

Department of Physics

Karnatak University, Dharwad-580003

2020-2021

Certificate

This is to certify that the dissertation entitled ELEMENTAL ANALYSIS OF MEDICINAL PLANTS Submitted to Department Of Physics Karnataka University, Dharwad by Miss.Shilpa P Doddamani, Miss.Sindhu Korishettar, Miss.Vijayalaxmi Devagiri as the partial fulfillment for the award of Degree Of Master Of Science in Physics represents their project work. They have carried out this project work at the Nuclear and Particle Physics research lab, Department of Studies In Physics, Karnataka University, Dharwad under my supervision and guidance.

DR.A.S. BENNAL
Project Guide
Department of Physics
Karnatak University, Dharwad

DR. L. R. NAIK
Chairman
Department of Physics
Karnatak University, Dharwad

Place: Dharwad

Date: 30.08.2021

Examiners:

1) 30.08.21

2)

DECLARATION

We hereby declare that this project work entitled "ELEMENTAL ANALYSIS OF MEDICINAL PLANTS" submitted to Department Of Physics Karnataka University, Dharwad for partial fulfillment of academic curriculum and also for the award of Master's Degree In Physics, the result of benefited work carried out by us in the Nuclear and Particle Physics research lab, Department Of Physics, Karnataka University, Dharwad under the constant support and immense guidance of Dr.A.S. Bennal during academic year 2020-21.

Candidate Name:	Register No.	Signature.
SHILPA P DODDAMANI	19S16066	S. P. Doddamani.
SINDHU KORISHETTAR	19S16073	
VIJAYLAXMI DEVAGIRI	19S16086	

ELEMENTAL ANALYSIS OF MEDICINAL PLANTS

Re - Accredited by NAAC with 'A' Grade
University with potential for excellence

DEPARTMENT OF PHYSICS

Dissertation submitted to the Karnatak University, Dharwad
for the partial fulfillment of degree of

Master of Science
In
Physics

SUBMITTED BY

Siddu Patil	(19S16072)
Suman Kwati	(19S16077)
Suprada Choukinishi	(19S16078)

Under the Guidance of

DR. A. S. BENNAL

Assistant Professor
P.G. Department of Physics
Karnatak University, Dharwad

2020-2021

KARNATAK UNIVERSITY, DHARWAD

CERTIFICATE

This is to certify that the dissertation entitled **"ELEMENTAL ANALYSIS OF MEDICINAL PLANTS"** submitted to Department of Physics, Karnatak University, Dharwad by **Ms.Suprada Choukinishi, Ms.Suman Kwati, Mr.Siddu Patil,** as the partial fulfillment for the award of Degree of Master of Science in Physics represents their project work. They have carried out this project work at the Nuclear and Particle Physics research lab, Department of Physics and USIC (University Scientific and Instruments Center), Karnatak University Dharwad under my supervision and guidance.

(Project Guide)

DR.A. S. BENNAL

Department of Physics

Karnatak University, Dharwad.

Chairman

Department of Physics

Place : Dharwad

Date : 30-08-2021

Examiners:

30-08-21

DECLARATION

We hereby declare that this project work entitled **"ELEMENTAL ANAYLISIS OF MEDICINAL PLANTS"** submitted to Department Of Physics, Karnatak University, Dharwad, for partial fulfilment of academic curriculum and also for the award of Master's Degree in Physics, the result of benefited work carried out by us in the Nuclear and Particle Physics research lab, Department Of Physics, Karnatak University, Dharwad, under the constant support and immense guidance of **Dr. A. S. Bennal** during academic year 2020 -2021.

Candidate Name:	**Register No**	**Signature**
Siddu Patil	19S16072	
Suman Kwati	19S16077	
Suprada Choukinishi	19S16078	

KARNATAK UNIVERSITY, DHARWAD

CERTIFICATE

DEPARTMENT OF PHYSICS

2020-2021

This is to certify that this dissertation entitled "Infrared Spectroscopy Of 5-Fluoro-2-Methylbenzoic acid" submitted by Ms.S.C.Chinmayi (Reg. No. 19S16057), Ms.Soumya Metrani (19S16074) and Mr.Sukesh Kulkarni (19S16076) in partial fulfilment of the requirements for the award of Master of Science in Physics, is a record of the work carried out under my supervision and guidance. It is further certified that no part of this dissertation is submitted for the award of any degree.

Prof. Jayashree Tonannavar
Project supervisor

Chairman
Department of Physics

Examiners:

1).....4/10/2021

2).....

KARNATAK UNIVERSITY, DHARWAD

DEPARTMENT OF PHYSICS

2020-2021

CERTIFICATE

This is to certify that this dissertation entitled **INFRARED AND RAMAN SPECTROSCOPIC STUDY OF INDENE** submitted by **Renukaradhya S G (19S16056) Vijayalakshmi (19S16085) Virupaksh Sobarad (19S16087)** in partial fulfilment of the requirements for the award of Master of Science in Physics, is a record of the work carried out under my supervision and guidance. It is further certified that no part or whole of this dissertation has been submitted previously to Karnatak University for the award of M.Sc. degree.

Dr. Jayashree J Tonannavar

Project supervisor

Chairman

Department of Physics

Examiners: 1) 4/10/2021

2) .....

KARNATAK UNIVERSITY, DHARWAD

DEPARTMENT OF PHYSICS

2020-2021

CERTIFICATE

This is to certify that this dissertation entitled **Infrared Spectroscopic study of Allyl Alcohol and Acrolein** submitted by **Maruthi Prasad T (19S16038) Neha M Rathod (19S16042) Nikhil V R (19S16043)** in partial fulfilment of the requirements for the award of Master of Science in Physics, is a record of the work carried out under my supervision and guidance. It is further certified that no part or whole of this dissertation has been submitted previously to Karnatak University for the award of M.Sc. degree.

Prof. Jagadish R Tonannavar
1/10/2021

Project supervisor

Chairman
01/10/2021

Department of Physics

Examiners: 1) 5/10/21

2) .....

KARNATAK UNIVERSITY, DHARWAD

ACCREDITED BY NAAC 'A'GRADE

DEPARTMENT OF PHYSICS

2020-2021

CERTIFICATE

This is to certify that this dissertation entitled "Vibrational Spectroscopic Study Of Chelidonic acid" submitted by Miss. Anupama V Manglenavar (Reg No:19S16026), Miss Amruta Dambal (Reg.No:19S16024). In partial fulfilment of the requirements for the award of Master of Science in Physics, is a record of the work carried out under my supervision and guidance. It is further certified that no part of this dissertation is submitted for the award of any degree.

1/10/2021

Dr S S Malaganvi / Prof J R Tonanavar

Project supervisor

5/10/2021

Chairman

Department of Physics

Examiners: 1) 5/10/2021

2) .....

KARNATAK UNIVERSITY DHARWAD

DEPARTMENT OF PHYSICS

2020 – 2021

Certificate

This is to certify that this dissertation entitled **"Infrared Spectroscopic Study Of 4-Hydroxybenzaldehyde"** submitted by **Ms.Apeksha U S** (Reg.No:19S16028) and **Ms. Gayathri H** (Reg.No:19S16030) in partial fulfilment of the requirements for the award of Master of Science in Physics is a record of the work carried out under my supervision and guidance. It is further certified that no part of this dissertation is submitted for the award of any degree.

Dr. S.S. Malaganvi/Prof. Jagadish Tonannavar
Project Supervisor

Chairman
Department of physics

Examiners: 1).....

2).....

KARNATAK UNIVERSITY DHARWAD
ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಧಾರವಾಡ
DEPARTMENT STUDIES OF PHYSICS

"BOOLEAN ALGEBRA CALCULATOR USING C++ PROGRAMMING"

A PROJECT REPORT SUBMITTED TO KARNATAK UNIVERSITY, DHARWAD

FOR THE AWARD OF DEGREE OF

Master of Science
IN
PHYSICS

SUBMITTED BY

Ms. NIRMALA.S.DHANGI (REG. NO: 19S16044)
Ms. PUSHPA LAMANI (REG. NO: 19S16050)
Mr. RAKHESH.S. KANDGAL (REG. NO: 19S16052)
Ms. SAFINA NAAZ BILAGI (REG. NO: 19S16058)

Project Supervisor

Dr. ASHOK.H.SIDARAI

PROFESSOR DEPARTMENT OF PHYSICS, KARNATAK UNIVERSITY DHARWAD – 580003

(2020-2021)

" DC MOTOR SPEED CONTROL USING PWM GENERATOR BY NE-555 TIMER : AS A STIRRER "

A Project report submitted to fulfillment of the requirements for the degree of

MASTER OF SCIENCE

In

PHYSICS

To

KARNATAK UNIVERSITY, DHARWAD.

By

Mr. AKSHAY ANANTA BHAT (19S16022)
Mr. KOUSHIK S. PANDIT (19S16037)
Ms. MEGHA TURAIDAR (19S16039)
Ms. MEGHANA B. (19S16040)

Under the supervision of

Dr. ASHOK H. SIDARAI
PROFESSOR
Department of Physics

2020-2021

DIELECTRIC PROPERTIES OF DIFFERENT SOLVENTS

Re- accredited by NAAC 'A' Grade

University with Potential for Excellence

DEPARTMENT OF PHYSICS

A DISSERTATION SUBMITTED TO KARNATAK UNIVERSITY

DHARWAD FOR THE PARTIAL FULFILLMENT OF DEGREE OF

MASTER OF SCIENCE

IN

PHYSICS

SUBMITTED BY

Miss. Akshata Manjunath Algeri (Reg.no. 19S16021)

Miss. Chandrika Bhosge (Reg.no. 19S16029)

Mr. Khasimsab (Reg.no. 19S16036)

Miss. Parvati S Kamble (Reg.no. 19S16047)

Under the guidance of

Prof. M.K. RABINAL

P.G. Department of Studies in Physics

Karnatak University, Dharwad

2020-2021

CERTIFICATE

KARNATAK UNIVERSITY, DHARWAD

DEPARTMENT OF PHYSICS

2020-2021

This is to certify that this dissertation entitled "Dielectric Properties of Solvents" submitted by Miss. Akshata Manjunath Algeri (Reg.No.19S16021), Miss. Chandrika Bhosge (Reg.No.19S16029), Mr. Khasimsab (Reg.No.19S16036) and Miss. Parvati S Kamble (Reg.No.19S16047) in partial fulfillment of the requirements for the award of Master of Science in Physics, is a record of the work carried out under my supervision and guidance. It is further certified that no part of this dissertation is submitted for the award of any degree.

Prof. M.K.RABINAL

Project supervisor

Place: Dharwad

Date:

Chairman

Department of Physics

Examiners: 1).....

05-10-21

2).....

KARNATAK UNIVERSITY, DHARWAD

Re-Accredited by NAAC with 'A' grade
University with potential for excellence

"LITERATURE REVIEW ON SOLAR DESALINATION"

DISSERTATION SUBMITTED TO
KARNATAK UNIVERSITY DHARWAD
FOR THE PARTIAL FULFILLMENT OF DEGREE OF

Master of Science

In

Physics

SUBMITTED BY

Mr. RAKESHKUMAR KAVALAGI [19S16051]

Mr. RAMESH S. GOUDA [19S16053]

Mr. SHAMBHULINGA H CHAKRASALI [19S16064]

PROJECT SUPERVISOR

Prof. M. K. RABINAL

DEPARTMENT OF PHYSICS

KARNATAK UNIVERSITY, DHARWAD - 580 003

2020-2021

KARNATAK UNIVERSITY, DHARWAD

DEPARTMENT OF PHYSICS

CERTIFICATE

This is to certify that this dissertation entitled **"LITERATURE REVIEW ON SOLAR DESALINATION"** submitted by **Mr. Rakeshkumar Kavalagi (Reg.No.19S16051), Mr. Ramesh S Gouda(Reg.No.19S16053)** and **Mr. Shambhulinga H Chakrasali (Reg.No.19S16064)** For the partial fulfilment of the requirements for the award of **Master of Science in Physics,** is a record of the work carried out under my supervision and guidance. It is further certified that no part of this dissertation is submitted for the award of any degree.

Prof. M. K. Rabinal

Project supervisor

Chairman

Department of Physics

Examiners: 1).....

2).....

KARNATAK UNIVERSITY, DHARWAD
DEPARTMENT OF STUDIES IN PHYSICS

"Solution based Arc Deposition by Nanoparticles"

A PROJECT REPORT SUBMITTED TO KARNATAK UNIVERSITY, DHARWADFOR THE AWARD OF DEGREE OF

Master of Science
IN
Physics

BY

Ms .Anjana .S. Buradikatti (19S16025)
Ms .Sheetal .S. Naik (19S16065)
Ms. Usha .M. Rangannavar (19S16081)

UNDER THE GUIDANCE OF

Prof. M. K. Rabinal
Professor Department of Physics
Karnatak University, Dharwad(2020-21)

KARNATAK UNIVERSITY, DHARWAD

DEPARTMENT OF STUDIES IN PHYSICS

CERTIFICATE

This is to certify that, the dissertation entitled **"Solution based Arc deposition by Nanoparticles"** submitted to Karnatak University, Dharwad by **Ms. Anjana . S. Buradikatti , Ms. Sheetal .S. Naik and Ms. Usha .M. Rangannavar** in partial fulfillment of requirements for the award of Master of Science in Physics.

Project Guide
Prof. M.K. Rabinal

Chairman
Prof. L.R. Naik

Examiners:

1._____

2._____

KARNATAK UNIVERSITY, DHARWAD

A DISSERTATION SUBMITTED TO

KARNATAK UNIVERSITY, DHARWAD

IN PARTIAL FULFILMENT FOR THE AWARD OF DEGREE OF

MASTER OF SCIENCE

IN

PHYSICS

By

Ms. Shahana A Sayed (reg no: 19S16063)

Ms. Sahana G Gaonkar (reg no: 19S16059)

Mr.Ameer Sohail Nadaf (reg no:19S16023)

Under the guidance of

Prof. M. K. Rabinal

Department of studies in Physics

KARNATAK UNIVERSITY

Pavate Nagar, Dharwad – 580004

KARNATAK UNIVERSITY, DHARWAD

A GRADE

NAAC ACCREDITED

CERTIFICATE

This is to certify that the dissertation work entitled "SYNTHESIS AND EXTRACTION OF SODIUM SILICATE FROM SAND" submitted by **SHAHANA SAYED, SAHANA G GAONKAR, AMEER SOHAIL NADAF** at Post Graduate Department of Studies in Physics, **KARNATAK UNIVERSITY Dharwad.** The project report is being submitted in partial fulfillment for the award of MASTER OF SCIENCE IN PHYSICS, During the year 2020-2021.

PROJECT SUPERVISOR

CHAIRMAN

PLACE: DHARWAD

DATE:

EXAMINERS

KARNATAK UNIVERSITY, DHARWAD

Re-Accredited by NAAC with 'A' grade
University with potential for excellence

DEPARTMENT OF PHYSICS

2020-2021

Stretchable graphite-resin sensor

Dissertation submitted to the Karnataka University, Dharwad
for the partial fulfilment of degree of

MASTER OF SCIENCE
IN
PHYSICS

SUBMITTED BY

Keerthi. B (19S16035)

Shreenidhi Hegde (19S16069)

Sudha Subraya Bhat (19S16075)

Under the Guidance Of

Prof. M. K. Rabinal

Department of Physics

KARNATAK UNIVERSITY, DHARWAD

2020-21

CERTIFICATE

This is to certify that the project entitled "**Stretchable graphite-resin sensor**" is submitted by the following final year students of degree of Master of Science in PHYSICS

Keerthi. B(19S16035)

Shreenidhi Hegde(19S16069)

Sudha Subraya Bhat (19S16075)

This report is a record of project work carried out by team at the department of Physics, Karnataka University, Dharwad during our period of study under my supervision. This work has not previously formed the basis for the award of any Degree or Diploma or Associate ship or Fellowship or other similar titles to any candidate of this or any other university.

Prof. M. K. Rabinal
Project supervisor
Department of Physics
Karnataka University, Dharwad

Prof. L. R.Naik
Chairman
Department of Physics

Place: Dharwad

Date:

Examiners:

1)

2)