



**Karnatak University's,
KARNATAK SCIENCE COLLEGE, DHARWAD**



NAAC Accredited

Phone No: 0836-2215410 & 2215400 Fax: 0836-2744334

Email: principal.kscd@gmail.com Web: www.kscd.ac.in

3.5.1: Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.

Sl. No.	Name of the MoU / Collaboration / linkage	Name of the collaborating agency / institution / industry / corporate house with whom the MoU / collaboration / linkage is made, with contact details	Year of signing MoU / collaboration / linkage	Duration of MoU / collaboration / linkage
FUNCTIONAL MOUS				
1	Apponix Technologies Pvt. Ltd.	Karnatak Science College, Dharwad	2022	Three years
2	Nichrome Testing Laboratory and Research Pvt. Ltd., Dharwad	Karnatak Science College, Dharwad	2019	Three years
3	Edu-Easy India Pvt. Ltd., Belagavi	Karnatak Science College, Dharwad	2021	Three years
4	KLE's PC Jabin Science College, Huballi	Karnatak Science College, Dharwad	2022	Three years
5	V. K. F. Agri Farms Pvt. Ltd, Dharwad	Karnatak Science College, Dharwad	2022	Five years
RESEARCH ACTIVITIES				
1	Research Collaboration	Dr. Blaise Lobo, Department of Physics. KSCD with Dr. Saraswati Masti , Chemistry Department. KSCD	2020-21	One year
2	Research Collaboration	Dr. Blaise Lobo, Department of Physics. KSCD with Dr. Saraswati Masti, Chemistry Department. KSCD	2017	Till Date
3	Research Collaboration	Prof. Mahaveer Kurkuri, Associate Director, Centre for research in functional materials(CRFM), Jain University, Ramanagara, Karnataka, India with Dr. R. G. Kalkhambkar, Asst. Professor of Chemistry, Karnatak Science College, Dharwad	June 2022 onwards	one year

4	Research Collaboration	Prof. R. F. Bhajantri , Department of Physics, Karnatak University Dharwad with Dr. Blaise Lobo, Department of Physics. Karnatak Science Colleg,Dharwad	2020 - date	Eight years
5	Research Collaboration	Dr. Ismayil, Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal with Dr. Saraswati Masti, Chemistry Department. Karnatak Science Colleg,Dharwad	2019-2022	Three years
6	Research Collaboration	Dr. Deepak R Kasai, Asst. Prof., Basic Science Department, Jain University, Bommasandra, Bangalore with Dr. Saraswati Masti, Chemistry Department. KKarnatak Science Colleg,Dharwad	2019-2022	Three years
7	Research Collaboration	Prof. V. Shyam Kumar, Department of Microbiology and Biotechnology, Karnatak University, Dharwad with Dr. Saraswati Masti, Chemistry Department. Karnatak Science Colleg,Dharwad	2019-2022	Three years
8	Research Collaboration	Dr. Praveen Kumar S. K, Assistant Professor, Department of Biochemistry, Karnatak University, Dharwad with Dr. Saraswati Masti, Chemistry Department. Karnatak Science Colleg,Dharwad	2021-22 onwards	two years
9	Research Collaboration	Dr. Ravindra Chougale, Associate Professor, Department of Chemistry, Karnatak University, Dharwad with Dr. Saraswati Masti, Chemistry Department. Karnatak Science Colleg,Dharwad	2019 till date	Till Date
10	Research Collaboration	Dr. G. H. Malimath, Associate Professor, Department of Physics, Karnatak Scienc College, Dharwad with Dr. S. K. Rajappa, Department of Chemistry, Karnatak Science College, Dharwad	2020-21	One year

11	Research Collaboration	Prof. R. F. Bhajantri , Department of Physics, Karnatak University Dharwad with Dr. Blaise Lobo, Department of Physics. KSCD	2020	till date
12	Research Collaboration	Dr. Saraswati Masti, Chemistry Department. KSCD With Dr. Blaise Lobo, Department of Physics. KSCD	2020	Till Date
13	Research Collaboration	Dr. Nirupama J M, Assistant Professor, Department of Physics, Karnatak Scienc College, Dharwad with Dr. R. G. Kalkhambkar, Asst. Professor of Chemistry, Karnatak Science College, Dharwad	2021-22 onwards	two years
14	Research Collaboration	College of Science (Biomedical and materialScience) ,Tunghai University Taichung, Taiwan with Karnatak Science College ,Dharwad	2023-date	Five years
15	Research Collaboration	Centre for Research in Functional Materials(CRFM) ,Jain University, Bangalore with Karnatak Science College	2023-date	Ten Years
16	Research Collaboration	Prof. R. F. Bhajantri , Department of Physics, Karnatak University Dharwad with Dr. Sarswati B Masti, Department of Physics. KSCD	2008	Till Date
17	Research Collaboration	Prof. V. Shyam Kumar, Department of Microbiology and Biotechnology, Karnatak University, Dharwad with Dr. Saraswati Masti, Chemistry Department. KSCD	2019	till date

2022-23



KARNATAK UNIVERSITY, DHARWAD

DEPARTMENT OF STUDIES IN PHYSICS

ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಧಾರವಾಡ
ಭೌತಶಾಸ್ತ್ರ ಅಧ್ಯಯನ ವಿಭಾಗ

"NAAC Accredited with
"A" Grade 2014"
Dr. Rajashekhar F. Bhajantri
Professor



Phone: +91-836-2215316(0)
Cell: 9448623319
E-mail: rfbhajantri@gmail.com
rfbhajantri@kud.ac.in

KUD/PHY/2022-23/

Date: 10-10-2022

To,

Dr. Blaise Lobo
Associate Professor
Department of Physics
Karnatak Science College, Dharwad-580001

This is to certify that, my research group is carrying out the collaborative research work with the research group headed by Dr. Blaise Lobo, Associate Professor, Department of Physics, Karnatak Science College, Dharwad for the years 2021-22 and 2022-23. We are working on positron annihilation studies of polymer-based nanocomposites and other materials under this collaborative research activity. His research students are using the facilities in our research laboratory at Department of Physics, K.U. Dharwad and presently we are working on synthesis of nanoparticles and studies on polymer nanocomposites for energy storage devices using positron annihilation spectroscopy.

Thanking you.

Yours sincerely,

Dr. RAJASHEKHAR F. BHAJANTRI
Professor
Department of Studies in Physics
Karnatak University, Dharwad-580 003 India



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD



Dr. Saraswati P. Masti
Associate Professor
Department of Chemistry

E-mail: dr.sarsawtimasti@yahoo.com
Mobile No.: 998055629


Date: 28/09/2022

TO WHOMSOEVER CONCERNED

LETTER REGARDING RESEARCH COLLABORATION

I hereby state that the research group headed by me in the Department of Chemistry, Karnatak University's Karnatak Science College, Dharwad has a fruitful collaboration with the research group of Dr. Blaise Lobo, Associate Professor, Karnatak Science College, Dharwad. The collaboration work, which started in the year 2017 and is continuing to date, involves analysis of thermal analysis data, electrical characterization and tensile mechanical studies on polymeric blends and composites, including nano-composites. I am happy to state that a few research papers in reputed journals (with joint authorship) has resulted from this collaborative work, and it is expected to continue in the future days as well.

Yours sincerely,


Dr. SARASWATI P. MASTI
Associate Professor
Department of Chemistry
Karnatak Science College
Dharwad-580 001

Dr. RAJESH G. KALKHAMBKAR
Asst. Professor of Chemistry
Email: rgkalkhambkar@gmail.com
Cell No: +91-9902831760



Department of Chemistry
Karnatak Science College,
Dharwad 580001, Karnataka
Web: www.kcd.org.in

Date: 31/05/2022

To,

Prof Mahaveer Kurkuri

Associate Director

Centre for Research in Functional Materials (CRFM)

JAIN University

Jain Global Campus, 45th km, NH-209, Jakkasandra Post

Kanakapura Tq, Ramanagara District-562 112, Karnataka

India

Subject: Regarding MOU for research collaboration

Dear Prof Mahaveer Kurkuri,

I am happy to inform you that Principal Karnatak Science College Dharwad agreed to have MOU for research collaboration between Centre for Research in Functional Materials (CRFM) Jain University and Research laboratory of Dr. R. G. Kalkhambkar effective from June 2022. I hope this MOU of research collaboration will flourish into more research outputs in the form of high scientific research publications or patents for broad readership of scientific community. Hence I request you to kindly send one letter of MOU to principal Karnatak Science College Dharwad for further information and needful action.

With warm regards,

Dharwad

Dr. Rajesh G. Kalkhambkar



"A" Grade
NAAC Accredited 2014

Dr. Rajashekhar F. Bhajantri
Professor

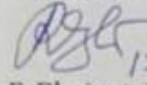
ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಧಾರವಾಡ
KARNATAK UNIVERSITY, DHARWAD

Department of Physics
Pavate Nagar, Dharwad-580 003
Karnataka, India
Phone: 0836-2215316
Mobile: 9448623319
E-mail: rfbhajantri@gmail.com
rfbhajantri@kud.ac.in

To whomsoever it may concern

I am happy to state that, we are doing collaborative research work with Dr. Saraswati P. Masti, Associate Professor of Chemistry, Karnatak Science College, Dharwad from 2008 to till date. We are using different experimental facilities of Dr. Saraswati P Masti's laboratory and her research group are using the facilities in our research laboratory at Department of Physics, K.U. Dharwad. Our research collaboration has yielded many publications in highly reputed international journals on materials science and chemical science. Our research collaboration is continuous and presently we are working on synthesis of nanoparticles and studies on polymer nanocomposites for optical applications and polymer electrolytes for energy storage devices.

Yours sincerely


17/9/2021
Dr. RAJASHEKHAR F. BHAJANTRI
Professor
Department of Studies in Physics
Karnatak University, Dharwad-580 003 India



MANIPAL INSTITUTE OF TECHNOLOGY

MANIPAL

(A constituent institution of MAHE, Manipal)

DEPARTMENT OF PHYSICS

21-09-2022

To whomsoever it may concern

This is to declare that our research group has been carrying out research collaboration with Dr. Saraswati P. Masti, Associate Professor, Department of Chemistry, Karnatak Science College, Dharwad - 580 001, India from 2019 onwards. The following research publications are resulted in the collaborations till now.

- 1) Ionic conductivity enhancement of PVA: Carboxymethyl cellulose poly- blend electrolyte films through the doping of NaI salt
Vipin Cyriac, Ismayil, I. M. Noor, Kuldeep Mishra, Chetan Chavan, Rajashekhar F. Bhajantri, Saraswati P. Masti
Cellulose 29 (2022) 3271–3291.
- 2) Dielectric relaxations and ion transport study of NaCMC:NaNO₃ solid polymer electrolyte films
Supriya K Shetty, Ismayil, Shreedatta Hegde, V Ravindrachary, Ganesh Sanjeev, Rajashekhar F Bhajantri, Saraswati P Masti
Ionics 27 (2021) 2509-2525.

Dr. Ismayil
Assistant Professor- Selection Grade
Department of Physics,
Manipal Institute of Technology,
Manipal Academy of Higher Education,
Manipal - 576 104, Karnataka, India
Mob: +91 98454 97546
E-Mail : ismayil.mit@manipal.edu



JAIN
DEEMED-TO-BE UNIVERSITY

FACULTY OF
ENGINEERING
AND TECHNOLOGY

Department of Basic Science Department

From,

Dr. Deepak R. Kasai
Assistant Professor
Basic Science Department
Faculty of Engineering and Technology
Jain (Deemed-To-Be University), Jakkasandra,
Bangalore-562112

Subject: Research collaboration Reg.

With reference to the above mentioned subject, I am Dr. Deepak Kasai, assistant Professor Happy to declare that, Dr. Saraswati Masti, Associate Professor, Karnataka Science College, Dharwad, doing collaboration work from 2019 till the present with Faculty of Engineering and Technology, Jain (Deemed-To-Be University). Both the institutions using reasonable endeavours to carry out the research work to high standards and in accordance with the mutual agreement.

Sincerely

Dr. Deepak Kasai

KARNATAK UNIVERSITY

Pavate Nagar, Dharwad-580003,

Karnataka, India



Accredited Grade 'A'

by NAAC

Prof.V. Shyam Kumar

D.Sc (China), Post DOC (SNU, Korea, QMUL, U.K)

Professor

Principal Investigator UKIERI, SERB, DBT, DST & UGC

Projects

Department of Biotechnology and Microbiology

Ph:91-836-2215356

(R)91-836-2770366

Fax:(O)91-836-2747884

91-836-2771275

E-mail: vootlashvam@kud.ac.in

To whomsoever it may concern

I am happy to state that I am collaborating with Dr. Saraswati Masti, Department of Chemistry, Karnatak Science College, Dharwad. Our lab has been collaborating with Dr. Saraswati Masti on various aspects of Polymer blend films for active food packing applications from 2019 till the present. Our collaboration has yielded publications in International Journal of Biological Macromolecules, Food Hydrocolloids and our collaboration is continuous and currently working on Smart biodegradable films.

Yours sincerely,

Dr. V. Shyam Kumar

Professor

Dept. of Biotechnology and Microbiology
Karnatak University, Dharwad-580 003



ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಧಾರವಾಡ
KARNATAK UNIVERSITY, DHARWAD

Accredited by NAAC with 'A' Grade
University with Potential for Excellence

ದೂರವಾಣಿ : (೦೮೩೬) ೨೨೦೫೨೯೨

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Fax : +91 836 2747884

E-mail : praveenkumarsk@gmail.com

Call : +91-9480374716

ಜೀವರಸಾಯನಶಾಸ್ತ್ರ ವಿಭಾಗ

DEPARTMENT OF BIOCHEMISTRY

Dr. PRAVEEN KUMAR S K M.Sc., M.Phil., Ph.D.

Assistant Professor

ಪಾವಟೆನಗರ, ಧಾರವಾಡ-580 003

ಕರ್ನಾಟಕ, ಭಾರತ

Pavate Nagar, Dharwad-580 003

Karnataka, India

Ref. No. :

Date : 3/10/2021

Subject: Research collaboration Reg.

With reference to above cited subject, I, **Dr. Praveen Kumar S. K.**, Assistant Professor, Protein Biology lab, Department of Biochemistry, Karnatak University Dharwad-03, **delighted to declare the research collaboration** with, **Dr. Saraswati Masti**, Associate Professor, Department of Chemistry, Karnataka Science College, Dharwad, **from 2021-22 onwards**. I strongly believe that the relationship sought is one of true collaboration, with the sole aim of carrying out the research work to greater extents in compliance with the mutual consent.

Sincerely,

Dr. Praveen Kumar S.K.

Assistant Professor,

Department of Biochemistry,

Karnatak University Dharwad-03.

Dr. PRAVEEN KUMAR S K

M.Sc., M.Phil., Ph.D.

Assistant Professor

Department of Biochemistry

Karnatak University,

DHARWAD-580003

University with Potential for Excellence

KARNATAK



UNIVERSITY

Dr. Ravindra B. Chougale

Associate Professor

PG Department of Studies in Chemistry

Phone (off): 0836-2215286

chougaleravindra@yahoo.com

Pavate Nagar

Dharwad-580003

Karnataka, INDIA

Fax (off): 0836-2747884

Mobile No: + 91-9611287943

Dear Sir/Madam,

I, Dr. Ravindra B. Chougale, Associate Professor, Department of Chemistry, K U Dharwad, confirm my interest and collaboration of research work in polymer chemistry from 2019 till the present with Dr. Saraswati Masti, Associate Professor, Department of Chemistry, Karnatak, Science College (K U Constituent College), Dharwad, with us the last five years to carry out good quality research with our mutual understanding and agreement.

Yours sincerely,

DR. RAVINDRA CHOUGALE
ASSOCIATE PROFESSOR
DEPARTMENT OF CHEMISTRY
KARNATAK UNIVERSITY,
DHARWAD-580 003



Karnatak University's
Karnatak Science College, Dharwad
Department of Chemistry



Dr. RAJAPPA.S.K
Assistant Professorr
Karnatak Science College
Dharwad-580 001

Mobile No: +919620626968
Phone No: 0836-2215400
Fax: 0836-2744334
Email: drrajappask@gmail.com

Date: 02-01-2022

RESEARCH COLLABORATION LETTER

I am Dr. Rajappa S K, presently working as an Assistant Professor in the Department of Chemistry, Karnatak Science College, Dharwad (since March -2012) and recognized as a Research guide by the Karnatak University, Dharwad (since 2015). Presently 05 research students and 04 M. Sc project students are working under my research supervision. Our research group is carrying out some significant research work in the area of electrochemistry and materials Science.

I have a **Research Collaboration with Dr. G H Malimath**, Associate Professor, Department of Physics, Karnatak Science College, Dharwad in order to **utilize the instruments and other research facilities** available in his research laboratory to carry out joint research work in the area of electrochemistry & materials science.

(RAJAPPA S K)
DR. RAJAPPA. S. K.
M.Sc.,Ph.D.
Assistant Professor
Department of Chemistry,
Karnatak Science College,
DHARWAD-580001



"A" Grade
NAAC Accredited 2014

Dr. Rajashekhar F. Bhajantri
Professor

ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಧಾರವಾಡ
KARNATAK UNIVERSITY, DHARWAD

Department of Physics
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Phone: 0836-2215316
Mobile: 9448623319
E-mail: rfbhajantri@gmail.com
rfbhajantri@kud.ac.in

Date: 23-12-2021

To whomsoever it may concern

This is to certify that, my research group is carrying out the collaborative research work with the research group headed by Dr. Blaise Lobo, Associate Professor, Department of Physics, Karnatak Science College, Dharwad for the year 2020-21 and till date. We are working on positron annihilation studies of polymer-based nanocomposites and other materials under this collaborative research activity. His research group are using the facilities in our research laboratory at Department of Physics, K.U. Dharwad and presently we are working on synthesis of nanoparticles and studies on polymer nanocomposites for energy storage devices.


(R. F. Bhajantri)
Dr. RAJASHEKHAR F. BHAJANTRI
Professor
Department of Studies in Physics
Karnatak University, Dharwad-580 003 India



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD
DEPARTMENT OF PHYSICS



Dr. Blaise Lobo

Associate Professor & Research Guide

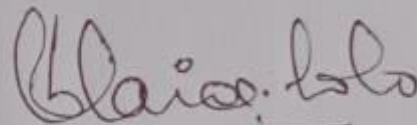
Dharwad

24th September 2022

TO WHOMSOEVER CONCERNED

LETTER REGARDING RESEARCH COLLABORATION

I hereby state that the research group headed by me in the Department of Physics, Karnatak University's Karnatak Science College, Dharwad has a fruitful collaboration with the research group of Dr. (Smt.) Saraswati P Masti, Associate Professor, Karnatak Science College, Dharwad. The collaboration work, which started in the year 2017 and is continuing to date, involves analysis of thermal analysis data, electrical characterization and tensile mechanical studies on polymeric blends and composites, including nano-composites. I am happy to state that a few research papers in reputed journals (with joint authorship) has resulted from this collaborative work, and it is expected to continue in the future days as well.


Dr. BLAISE LOBO
ASSOCIATE PROFESSOR
& RESEARCH GUIDE



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD



Dr. Saraswati P. Masti
Associate Professor
Department of Chemistry

E-mail: dr.sarsawtimasti@yahoo.com
Mobile No.:998055629


Date: 28/09/2022

TO WHOMSOEVER CONCERNED

LETTER REGARDING RESEARCH COLLABORATION

I hereby state that the research group headed by me in the Department of Chemistry, Karnatak University's Karnatak Science College, Dharwad has a fruitful collaboration with the research group of Dr. Blaise Lobo, Associate Professor, Karnatak Science College, Dharwad. The collaboration work, which started in the year 2017 and is continuing to date, involves analysis of thermal analysis data, electrical characterization and tensile mechanical studies on polymeric blends and composites, including nano-composites. I am happy to state that a few research papers in reputed journals (with joint authorship) has resulted from this collaborative work, and it is expected to continue in the future days as well.

Yours sincerely,


Dr. SARASWATI P. MASTI
Associate Professor
Department of Chemistry
Karnatak Science College
Dharwad-580 001



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF PHYSICS

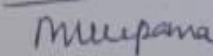


Phone: 0836-2215402
Fax : 0836-2744334

Website : www.kscd.ac.in

Date: 22-02-2023

I am Dr. (Smt.) Nirupama J.M., Assistant Professor of Physics, Karnatak Science College, Dharwad, worked on Research Project entitled "*Interaction of substituted chalcones with metal/semiconductor nanoparticles for their possible sensor applications*" in collaboration with Dr. Rajesh G. Kalkhambkar, Associate Professor of Chemistry, Karnatak Science College, Dharwad. The project was sanctioned by Karnatak University, Dharwad under University Research Seed Grant Policy for the academic year 2021-2022.


Dr. (Smt.) Nirupama J.M.



सत्यमेव जयते

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Government of Karnataka

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सत्यमेव जयते



RS. 100

Please write or type below this line

**Memorandum of Understanding (MOU) for Academic Cooperation
Between**

Karnatak Science College, Dharwad.

And

**College of Science (Biomedical & Material Science), Tunghai University-
Taichung, Taiwan**



Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at 'www.shcilestamp.com' or using e-Stamp Mobile App of Stock Holding. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

This Memorandum of Understanding (MOU) is entered into on **23/02/2023** by and between Karnatak Science College Dharwad and College of Science (Biomedical & Material Science), Tunghai University-Taichung, Taiwan, agrees that cooperation in student and faculty exchanges would be mutually beneficial. The areas of cooperation may include, subject to mutual consent, any desirable and feasible activity that would further the goals of each institute. Such interaction may include cooperation in a variety of joint academic and education activities such as:

1. Joint research projects and publications, including work by undergraduate, graduate and research scholars at the partner institutions.
2. Faculty and student visit and inhand experience based on reciprocity.
3. Joint workshops, lectures and extension programmes.
4. Team taught classes and programmes.
5. Visits by faculty, professional staff and students.
6. Guest lecture.

Objectives

The goal is to foster collaboration provides opportunity for global experience, and to facilitate advancement of knowledge on the basis of reciprocity best effort mutual benefit in terms of service experience and knowledge, and frequent interactions. The Karnatak Science college Dharwad and College of Science (Biomedical & Material Science), Tunghai University-Taichung, Taiwan agree

- a) To exchange the students to expand their research and knowledge,
- b) To exchange information on current advances in the field of science.

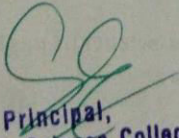
Karnatak Science College Dharwad and College of Science (Biomedical & Material Science), Tunghai University-Taichung, Taiwan further agree that detailed terms and conditions that guide each activity identified above will be separately determined and agreed upon by the two organists. These terms shall include a technical description of the proposed activity.

Tenure and Termination

For agreed upon activities, both institutions will make available their facilities and staffs. This MOU will take effect on the will be valid for 10 years from the date noted in the first line of this documents unless terminated by one of the parties. Either party may withdraw from this MOU provided written notification of the withdrawal is given to other party at least three (3) months prior to the desired withdrawal date. This MOU may be renewed for another period of 5 years upon mutual written consent of the parties before the expiration date. Each institution will have copies of this agreement.

The following authorized individuals have signed the present MOU on behalf of their respective institutions.




Principal,
Karnatak Science College
Dharwad.



सत्यमेव जयते

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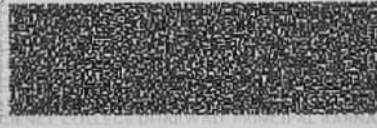
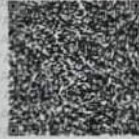
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सत्यमेव जयते



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Memorandum of Understanding (MOU) for Academic Cooperation
Between

Karnatak Science College, Dharwad.
And

CRFM, Jain Global Campus, Jakkasandr Pos



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2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority

This Memorandum of Understanding (MOU) is entered into on 01/03/2023 by and between Karnatak Science College Dharwad and CRFM, Jain Global Campus, Jakkasandr Post, agrees that cooperation in student and faculty exchanges would be mutually beneficial. The areas of cooperation may include, subject to mutual consent, any desirable and feasible activity that would further the goals of each institute. Such interaction may include cooperation in a variety of joint academic and education activities such as:

1. Joint research projects and publications, including work by undergraduate, graduate and research scholars at the partner institutions.
2. Faculty and student visit and inhand experience based on reciprocity.
3. Joint workshops, lectures and extension programmes.
4. Team taught classes and programmes.
5. Visits by faculty, professional staff and students.
6. Guest lecture.

Objectives

The goal is to foster collaboration provides opportunity for global experience, and to facilitate advancement of knowledge on the basis of reciprocity best effort mutual benefit in terms of service experience and knowledge, and frequent interactions. The Karnatak Science collegeDharwad and CRFM, Jain Global Campus, Jakkasandr Post agree

- a) To exchange the students to expand their research and knowledge,
- b) To exchange information on current advances in the field of science.

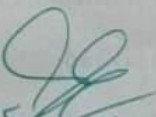
Karnatak Science College Dharwad and CRFM, Jain Global Campus, Jakkasandr Post, further agree that detailed terms and conditions that guide each activity identified above will be separately determined and agreed upon by the two organists. These terms shall include a technical description of the proposed activity.

Tenure and Termination

For agreed upon activities, both institutions will make available their facilities and staffs. This MOU will take effect on the will be valid for 10 years from the date noted in the first line of this documents unless terminated by one of the parties. Either party may withdraw from this MOU provided written notification of the withdrawal is given to other party at least three (3) months prior to the desired withdrawal date. This MOU may be renewed for another period of 5 years upon mutual written consent of the parties before the expiration date. Each institution will have copies of this agreement.

The following authorized individuals have signed the present MOU on behalf of their respective institutions.




Principal,
Karnatak Science College
Dharwad.



MEMORANDUM OF UNDERSTANDING

THIS MEMORANDUM OF UNDERSTANDING (the "Document") made as of 10-05-2022,
BETWEEN:

Apponix Technologies Pvt Ltd, 1st Party

AND

Karnataka Science College Dharwad (Department of Computer Science) as 2nd Party

BACKGROUND:

This Document will establish the basic terms to be used in a future agreement between the Parties. The terms contained in this Document are not comprehensive and it is expected that additional terms may be added, and existing terms may be changed or deleted based on mutual understanding of both parties. The basic terms are as follows:

What is Apponix?

Apponix Technologies Private Limited is a Bangalore based Training & Recruitment Company delivering classroom and online trainings in India, USA and UK.

Providing high quality training at affordable fees is our core value. We offer classroom and online training on niche technologies which are in high demand. All our trainers are IT professionals with rich experience.

Excellent Trainers and Fabulous Lab this is what you can expect from us.

Free training materials, Free Career consulting, Career guidance by experienced IT professionals, Pleasant and modern training rooms.

Goals and Objectives:

1. Apponix aims to provide best possible service to the 2nd Party.
2. The 2nd Party agrees to use Apponix Platform to go digital.
3. To train students on recent trends in corporate industry
4. To train students on preparing for interviews
5. Organizing campus interviews in Collaboration with KCD Computer science Dept.

Roles and Responsibilities:

- 2nd Party should coordinate with Apponix team in facilitating classroom for the Students on usage of Apponix platform.
- 2nd Party to coordinate and follow Apponix platform guidelines.

Duration of the MOU:

This is a non-binding Memorandum of Understanding (MOU) between 1st Party and 2nd Party.

- The MOU will apply from 10-05-2022 and will continue to apply until 10-05-2025
- Withdrawal of usage of Apponix is only applicable when 2nd party notifying the end of the usage of Apponix to 1st party.

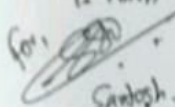
Data Security and Backup

1st Party agrees to secure data of 2nd Party i.e., Confidentiality and Data Protection. 1st and 2nd Parties undertakes that it shall not at any time disclose to any person any confidential information concerning

1. The business, Soft Data, affairs, customers, clients or suppliers of Seller or any of its affiliates
2. The operations, processes, product information, receipts and formula, know-how, Designs, trade secrets of seller or any of its affiliates
3. Every Year the Students Project Document Back up will be given to 2nd Party via Mail.
4. After providing backup for one year, it will be the responsibility of college to maintain the backup for all future needs; Apponix won't be responsible if there is a loss of data due to any unexpected circumstances after providing the backup to colleges.

This Document accurately reflects the understanding between the Parties, signed on 10-05-2022

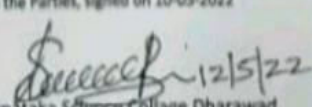
Apponix Technologies Pvt Ltd
(1st Party)

for: 

Sanjosh Hale
12/5/22

Ph no - 9886618221




Karnataka Science Collage Dharwad
(Dept of Computer Science)
(2nd Party)

2001 - 201/79/02/2019

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MOU) is between Karnatak Science College having its office at Dharwad
(Here in after referred to as KSCD)

And

Nichrome Testing Laboratory and Research Pvt. Ltd, having its office at Narayanpur, Judges Bungalow Road, Dasankoppa Circle Dharwad
(Here in after referred to as Nichrome Testing Laboratory and Research, Jundges Bungalow Road, Narayanpur, Dharwad)

Terms and Conditions:

1. Nature of collaboration.

- 1.1 This "MOU" is for collaboration between the parties for mutual benefits for the purpose set out in **Annexure-1** (purpose) to enhance the quality of educational and industrial experience for the students of both Laboratory and College.
- 1.2 The primary purpose of this MOU is to enhance the personality traits of the students studying in college and with NTLR.
- 1.3 This MOU shall be valid for **3 years** from the date of execution by both the parties.
- 1.4 Both the parties shall take all reasonable steps to ensure the successful completion of the collaboration and shall cooperate with each other in performance of their respective obligations.
- 1.5 The KSCD and NTLR will work in executing in various initiatives including those set out in **Annexure-1** to enhance the quality of graduates.
- 1.6 The consenting parties shall provide each other with the agreed upon materials and these shall be used as per guidelines and policies of either party. One shall extend to other all reasonable support including resources that may be required for the purpose and shall also provide platform for research, hands on training, research projects, conferences, seminars, workshops infrastructure and other facilities.

2. Mutual obligations.

- 2.1 This collaboration shall not be exclusive to both the parties and shall not disallow each party from having similar collaboration with other parties. Except as expressly stated in this MOU, there shall be no obligation on any party to compensate the other in any manner to make any claim.
- 2.2 Each party shall respect the others name and reputation and shall use any symbol or status belonging to other in accordance with this MOU or after obtaining the prior written approval of the other party.

ANNEXURE – 1 Purpose/Scope of Collaboration

- Promote academic interaction between basic science and life sciences.
- Create awareness about life sciences.
- Orientation towards Gender, Health and Development.
- Research Projects and Internship Programmes for U.G life science students.
- Hands on Training/workshop in Microbiology and chemistry for U.G life science students.
- Conducting Conference/Seminars/Workshop/Lectures/Symposium for U.G life science students in collaboration.
- Empower students with research and innovative skills.
- Extend laboratory facilities to each other.
- Faculty enablement of consenting parties.
- Interaction with subject experts.
- Sharing experience among the both parties.

In written whereof, both parties put their hard seal on the Day, Month and Year herein mentioned.

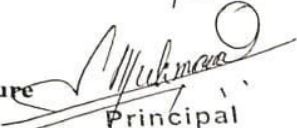
Date : 2/1/2019

Place ; Dharwad

Name: Poin. C. F. Mulimani

Designation; Principal

Signature


Principal
Karnatak Science College
Dharwad

Date: 2/1/2019

Place: Dharwad

Name: DR. KRISHNA KULKARNI

Designation: MANAGING
DIRECTOR

Signature



THIS MEMORANDUM OF UNDERSTANDING (the "Document") made as of 28-01-2021,
BETWEEN

MySmartShala, Edu-Easy India Pvt Ltd, Belagavias 1st Party

AND

Karnataka Science College Dharwad (Department of Computer Science) as 2nd Party

BACKGROUND:

This Document will establish the basic terms to be used in a future agreement between the Parties. The terms contained in this Document are not comprehensive and it is expected that additional terms may be added, and existing terms may be changed or deleted based on mutual understanding of both parties. The basic terms are as follows:

What is MySmartShala?

India's First Paperless Report Submission and Communication Platform for Educational Institutes.
MySmartShala is Platform to store and access digital documents anywhere with authorised signatory
MySmartshala has currently 2 Modules 1. Report Submission 2. Messaging Platform.

Goals and Objectives

- MySmartShala aims to provide best possible service to the 2nd Party.
- The 2nd Party agrees to use MySmartShala Platform to go digital.

Roles and Responsibilities

- 2nd Party should coordinate with MySmartShala team in guiding and training the college faculties and Students on usage of MySmartShala platform.
- 2nd Party to coordinate and follow MySmartShala platform guidelines.

Duration of the MOU

- This is a non-binding Memorandum of Understanding (MOU) between 1st Party and 2nd Party.
- The MOU will apply from 28-01-2022 and will continue to apply until 28-01-2025
- Withdrawal of usage of MySmartShala is only applicable when 2nd party notifying the end of the usage of MySmartShalaPlatform to 1st party.

Mou Between MySmartShala and KCD, Dept. OF CS

Data Security and Backup

- 1st Party agrees to secure data of 2nd Party i.e., Confidentiality and Data Protection. 1st and 2nd Parties undertake that it shall not at any time disclose to any person any confidential information concerning
 - i. The business, Soft Data, affairs, customers, clients or suppliers of Seller or any of its affiliates
 - ii. The operations, processes, product information, receipts and formula, know-how, designs, trade secrets of seller or any of its affiliates
- Every Year the Students Project Document Back up will be given to 2nd Party via Mail
- After providing backup for one year, it will be the responsibility of college to maintain the backup for all future needs, MySmartShala won't be responsible if there is a loss of data due to any unexpected circumstances after providing the backup to colleges.

Payment Details

- MySmartShala Platform is completely free to the Educational Institution
- MySmartShala will charge students i.e. Rs 100/- per semester (fees applicable to students who are uploading the documents)
- All the students are expected to make the payment in a timely manner abiding to time frame communicated by MySmartShala team
- On missing the payment deadlines by students, Extra Rs50 fine can be charged directly by college as a college amount.

This Document accurately reflects the understanding between the Parties, signed on 28-01-2022

MySmartShala, Edu-Easy India Pvt Ltd

Belagavi (1st Party)

Karnataka Science College Dharwad

(Department of Computer Science)

(2nd Party)

Am
28/01/22



Receivable
28/1/22

Coordinator
KSCA B.Sc (Computer Science)
Karnataka Science College Dharwad



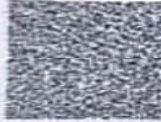
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Government of Karnataka

e-Stamp

Certificate No.	: IN-KA13795140902372U
Certificate Issued Date	: 20-Jan-2022 01:30 PM
Account Reference	: NONACC (FI)/ kakafci08/ HUBLI14/ KA-DW
Unique Doc. Reference	: SUBIN-KAKAKSFCL0869589821922097U
Purchased by	: PRINCIPAL KLE SOCIETY P C JABIN SC COLLEGE HUBLI
Description of Document	: Article 12 Bond
Description	: M O U
Consideration Price (Rs.)	: 0 (Zero)
First Party	: PRINCIPAL KLE SOCIETY P C JABIN SC COLLEGE HUBLI
Second Party	: KARNATAKA SCIENCE COLLEGE DHARWAD
Stamp Duty Paid By	: PRINCIPAL KLE SOCIETY P C JABIN SC COLLEGE HUBLI
Stamp Duty Amount(Rs.)	: 100 (One Hundred only)

SP



Please write or type below this line

**Memorandum of Understanding for Academic Cooperation
Between
K. L. E's P.C.Jabin Science College Hubballi
And
Karnatak Science College, Dharwad**

This Memorandum of Understanding (MOU) is entered into on 19th January, 2022 by and between K.L.E P. C. Jabin Science College, Autonomous, Hubballi and Karnatak Science College, Dharwad. The cooperation in student and faculty exchanges would be mutually beneficial. The areas of cooperation may include, subject to mutual consent, any desirable and feasible activity that would further the goals of the institution. Such interaction may include cooperation in a variety of joint academic and educational activities such as:

Statutory Alert

1. The authenticity of the e-stamp certificate should be verified at least once every year by using a Stamp Verification App of Stock Holding Corporation of India available on the website: www.shci.co.in
2. The price of the stamp is applicable to the date of the certificate.
3. Stamp duty is not refundable.

www.karnataka.gov.in

- Joint research projects and publications, including work by undergraduate graduate students at the partner institutions;
- Faculty and student exchanges based on reciprocity;
- Joint conferences and workshops;
- Team taught courses, including online courses; and
- Visits by faculty, professional staff, and students;
- Guest lecture

Objectives

The goal is to foster collaboration, provide opportunity for global experience, and to facilitate advancement of knowledge on the basis of reciprocity, best effort, mutual benefit in terms of service experience and knowledge, and frequent interactions. The K.L.E's P. C. Jabin Science College, Autonomous, Hubballi and Karnatak Science College, Dharwad agree


- a) to exchange information on current advances in the field of science
- b) to conduct guest lecturer, seminars and workshops jointly in college campus as well as at the community level.

K.L.E's P. C. Jabin Science College, Autonomous, Hubballi and Karnatak Science College, Dharwad further agree that detailed terms and conditions that guide each activity identified above will be separately determined and agreed upon by the two organisations. These terms shall include a technical description of the proposed activity.

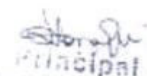
Tenure and Termination

For agreed upon activities, both institutions will make available their facilities and staffs. This MOU will take effect on and will be valid for five (5) years from the date noted in the first line of this document unless terminated by one of the parties. Either party may withdraw from this MOU, provided written notification of the withdrawal is given to the other party at least three (3) months prior to the desired withdrawal date. This MOU may be renewed for another period of five (5) years upon mutual written consent of the parties before the expiration date. Each institution will have copies of this agreement.

The following authorized individuals have signed the present MOU on behalf of their respective institutions:


Principal
Karnatak Science College
Dharwad




Principal
K. L. E. Society's P. C. Jabin Science College
Vidyanagar, Hubballi,
Karnataka - 580031.





सत्यमेव जयते

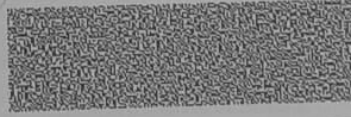
INDIA NON JUDICIAL

Government of Karnataka

e-Stamp

Certificate No. : IN-KA25759630752138U
Certificate Issued Date : 24-May-2022 01:15 PM
Account Reference : NONACC (FI)/ kacrsf108/ DHARWAD3/ KA-DW
Unique Doc. Reference : SUBIN-KAKACRSFL0878013358568708U
Purchased by : PRINCIPAL KARNATAK SCIENCE COLLEGE DHARWAD
Description of Document : Article 29 Indemnity Bond
Description : UNDERTAKING
Consideration Price (Rs.) : 0
(Zero)
First Party : PRINCIPAL KARNATAK SCIENCE COLLEGE DHARWAD
Second Party : V K F AGRI FARMS PVT LTD ZEAL MUSHROOM DHARWAD
Stamp Duty Paid By : PRINCIPAL KARNATAK SCIENCE COLLEGE DHARWAD
Stamp Duty Amount(Rs.) : 100
(One Hundred only)

Authorised Signature
Dharwad Dist Revenue Employee Credit
Co-Op Society Ltd Revenue Social Club
Building, Near Head Post Office U B Hill
DHARWAD- 580001



Please write or type below this line

Memorandum of Understanding for Academic Cooperation
Between

Karnatak Science College, Dharwad.

And

V. K. F Agri Farms Pvt Ltd Dharwad

This Memorandum of Understanding (MOU) is entered into on 25/05/2022 by and between
Karnatak Science College Dharwad and V. K. F Agri Farms Pvt Ltd Dharwad

Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at 'www.shoicstamp.com' or using e-Stamp Mobile App of Stock Holding. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

agree that cooperation in student and faculty exchanges would be mutually beneficial. The areas of cooperation may include, subject to mutual consent, any desirable and feasible activity that would further the goals of each institution. Such interaction may include cooperation in a variety of joint academic and education activities such as:

1. Joint research projects and publications. Including work by undergraduate, graduate students at the partner institutions;
2. Faculty and student visit and inhand experience based on reciprocity;
3. Joint workshops, lectures and extension programmes ;
4. Team taught classes and programmes ;
5. Visits by faculty, professional staff and students.
6. Guest lecture

Objectives

The goal is to foster collaboration provide opportunity for global experience, and to facilitate advancement of knowledge on the basis of reciprocity best effort mutual benefit in terms of service experience and knowledge, and frequent interactions. The Karnatak Science College, Dharwad and V. K. F Agri Farms Pvt Ltd Dharwad agree:

- a) To exchange information on current advances in the field of science.
- b) To conduct guest lecturer, seminars and workshops jointly in college campus as well as at the community level

Karnatak Science College, Dharwad and V. K. F Agri Farms Pvt Ltd Dharwad further agree that detailed terms and conditions that guide each activity identified above will be separately determined and agreed upon by the two organist ions. These terms shall include a technical description of the proposed activity.

Tenure and Termination

For agreed upon activities, both institutions will make available their facilities and staffs. This MOU will take effect on the will be valid for five (5) years from the date noted in the first line of this document unless terminated by one of the parties. Either party may withdraw from this MOU provided written notification of the withdrawal is given to the other party at least three (3) months prior to the desired to the desired withdrawal date. This MOU may be renewed for another period of five (5) years upon mutual written consent of the parties before the expiration date. Each institution will have copies of this agreement.

The following authorized individuals have signed the present MOU on behalf of their respective institutions:

VKF AGRI FARMS PVT. LTD.


Director




Principal,
Karnatak Science College
Dharwad.

2021-22



KARNATAK UNIVERSITY, DHARWAD

DEPARTMENT OF STUDIES IN PHYSICS

ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಧಾರವಾಡ
ಭೌತಶಾಸ್ತ್ರ ಅಧ್ಯಯನ ವಿಭಾಗ

"NAAC Accredited with
"A" Grade 2014"
Dr. Rajashekhar F. Bhajantri
Professor



Phone: +91-836-2215316(0)
Cell: 9448623319
E-mail: rfbhajantri@gmail.com
rfbhajantri@kud.ac.in

KUD/PHY/2022-23/

Date: 10-10-2022

To,

Dr. Blaise Lobo
Associate Professor
Department of Physics
Karnatak Science College, Dharwad-580001

This is to certify that, my research group is carrying out the collaborative research work with the research group headed by Dr. Blaise Lobo, Associate Professor, Department of Physics, Karnatak Science College, Dharwad for the years 2021-22 and 2022-23. We are working on positron annihilation studies of polymer-based nanocomposites and other materials under this collaborative research activity. His research students are using the facilities in our research laboratory at Department of Physics, K.U. Dharwad and presently we are working on synthesis of nanoparticles and studies on polymer nanocomposites for energy storage devices using positron annihilation spectroscopy.

Thanking you.

Yours sincerely,

Dr. RAJASHEKHAR F. BHAJANTRI
Professor
Department of Studies in Physics
Karnatak University, Dharwad-580 003 India



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD



Dr. Saraswati P. Masti
Associate Professor
Department of Chemistry

E-mail: dr.sarsawtimasti@yahoo.com
Mobile No.: 998055629


Date: 28/09/2022

TO WHOMSOEVER CONCERNED

LETTER REGARDING RESEARCH COLLABORATION

I hereby state that the research group headed by me in the Department of Chemistry, Karnatak University's Karnatak Science College, Dharwad has a fruitful collaboration with the research group of Dr. Blaise Lobo, Associate Professor, Karnatak Science College, Dharwad. The collaboration work, which started in the year 2017 and is continuing to date, involves analysis of thermal analysis data, electrical characterization and tensile mechanical studies on polymeric blends and composites, including nano-composites. I am happy to state that a few research papers in reputed journals (with joint authorship) has resulted from this collaborative work, and it is expected to continue in the future days as well.

Yours sincerely,


Dr. SARASWATI P. MASTI
Associate Professor
Department of Chemistry
Karnatak Science College
Dharwad-580 001



"A" Grade
NAAC Accredited 2014

Dr. Rajashekhar F. Bhajantri
Professor

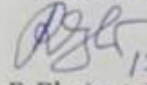
ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಧಾರವಾಡ
KARNATAK UNIVERSITY, DHARWAD

Department of Physics
Pavate Nagar, Dharwad-580 003
Karnataka, India
Phone: 0836-2215316
Mobile: 9448623319
E-mail: rfbhajantri@gmail.com
rfbhajantri@kud.ac.in

To whomsoever it may concern

I am happy to state that, we are doing collaborative research work with Dr. Saraswati P. Masti, Associate Professor of Chemistry, Karnatak Science College, Dharwad from 2008 to till date. We are using different experimental facilities of Dr. Saraswati P Masti's laboratory and her research group are using the facilities in our research laboratory at Department of Physics, K.U. Dharwad. Our research collaboration has yielded many publications in highly reputed international journals on materials science and chemical science. Our research collaboration is continuous and presently we are working on synthesis of nanoparticles and studies on polymer nanocomposites for optical applications and polymer electrolytes for energy storage devices.

Yours sincerely


17/9/2021
Dr. RAJASHEKHAR F. BHAJANTRI
Professor
Department of Studies in Physics
Karnatak University, Dharwad-580 003 India



MANIPAL INSTITUTE OF TECHNOLOGY

MANIPAL

(A constituent institution of MAHE, Manipal)

DEPARTMENT OF PHYSICS

21-09-2022

To whomsoever it may concern

This is to declare that our research group has been carrying out research collaboration with Dr. Saraswati P. Masti, Associate Professor, Department of Chemistry, Karnatak Science College, Dharwad - 580 001, India from 2019 onwards. The following research publications are resulted in the collaborations till now.

- 1) Ionic conductivity enhancement of PVA: Carboxymethyl cellulose poly- blend electrolyte films through the doping of NaI salt
Vipin Cyriac, Ismayil, I. M. Noor, Kuldeep Mishra, Chetan Chavan, Rajashekhar F. Bhajantri, Saraswati P. Masti
Cellulose 29 (2022) 3271–3291.
- 2) Dielectric relaxations and ion transport study of NaCMC:NaNO₃ solid polymer electrolyte films
Supriya K Shetty, Ismayil, Shreedatta Hegde, V Ravindrachary, Ganesh Sanjeev, Rajashekhar F Bhajantri, Saraswati P Masti
Ionics 27 (2021) 2509-2525.

Dr. Ismayil

Assistant Professor- Selection Grade

Department of Physics,

Manipal Institute of Technology,

Manipal Academy of Higher Education,

Manipal - 576 104, Karnataka, India

Mob: +91 98454 97546

E-Mail : ismayil.mit@manipal.edu



JAIN
DEEMED-TO-BE UNIVERSITY

FACULTY OF
ENGINEERING
AND TECHNOLOGY

Department of Basic Science Department

From,

Dr. Deepak R. Kasai
Assistant Professor
Basic Science Department
Faculty of Engineering and Technology
Jain (Deemed-To-Be University), Jakkasandra,
Bangalore-562112

Subject: Research collaboration Reg.

With reference to the above mentioned subject, I am Dr. Deepak Kasai, assistant Professor Happy to declare that, Dr. Saraswati Masti, Associate Professor, Karnataka Science College, Dharwad, doing collaboration work from 2019 till the present with Faculty of Engineering and Technology, Jain (Deemed-To-Be University). Both the institutions using reasonable endeavours to carry out the research work to high standards and in accordance with the mutual agreement.

Sincerely

Dr. Deepak Kasai

KARNATAK UNIVERSITY

Pavate Nagar, Dharwad-580003,
Karnataka, India



Accredited Grade 'A'
by NAAC

Prof.V. Shyam Kumar

D.Sc (China), Post DOC (SNU, Korea, QMUL, U.K)

Professor

Principal Investigator UKIERI, SERB, DBT, DST & UGC
Projects

Department of Biotechnology and Microbiology

Ph:91-836-2215356

(R)91-836-2770366

Fax:(O)91-836-2747884

91-836-2771275

E-mail: vootlashvam@kud.ac.in

To whomsoever it may concern

I am happy to state that I am collaborating with Dr. Saraswati Masti, Department of Chemistry, Karnatak Science College, Dharwad. Our lab has been collaborating with Dr. Saraswati Masti on various aspects of Polymer blend films for active food packing applications from 2019 till the present. Our collaboration has yielded publications in International Journal of Biological Macromolecules, Food Hydrocolloids and our collaboration is continuous and currently working on Smart biodegradable films.

Yours sincerely,

Dr. V. Shyam Kumar

Professor

Dept. of Biotechnology and Microbiology
Karnatak University, Dharwad-580 003



ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಧಾರವಾಡ
KARNATAK UNIVERSITY, DHARWAD

Accredited by NAAC with 'A' Grade
University with Potential for Excellence

ದೂರವಾಣಿ : (೦೮೩೬) ೨೨೦೫೨೯೨

Tel : +91 836 2215243

Fax : +91 836 2747884

E-mail : praveenkumarsk@gmail.com

Call : +91-9480374716

ಜೀವರಸಾಯನಶಾಸ್ತ್ರ ವಿಭಾಗ

DEPARTMENT OF BIOCHEMISTRY

Dr. PRAVEEN KUMAR S K M.Sc., M.Phil., Ph.D.

Assistant Professor

ಪಾವಟೆನಗರ, ಧಾರವಾಡ-580 003

ಕರ್ನಾಟಕ, ಭಾರತ

Pavate Nagar, Dharwad-580 003

Karnataka, India

Ref. No. :

Date : 3/10/2021

Subject: Research collaboration Reg.

With reference to above cited subject, I, **Dr. Praveen Kumar S. K.**, Assistant Professor, Protein Biology lab, Department of Biochemistry, Karnatak University Dharwad-03, **delighted to declare the research collaboration** with, **Dr. Saraswati Masti**, Associate Professor, Department of Chemistry, Karnataka Science College, Dharwad, **from 2021-22 onwards**. I strongly believe that the relationship sought is one of true collaboration, with the sole aim of carrying out the research work to greater extents in compliance with the mutual consent.

Sincerely,

Dr. Praveen Kumar S.K.

Assistant Professor,

Department of Biochemistry,

Karnatak University Dharwad-03.

Dr. PRAVEEN KUMAR S K

M.Sc., M.Phil., Ph.D.

Assistant Professor

Department of Biochemistry

Karnatak University,

DHARWAD-580003

University with Potential for Excellence

KARNATAK



UNIVERSITY

Dr. Ravindra B. Chougale

Associate Professor

PG Department of Studies in Chemistry

Phone (off): 0836-2215286

chougaleravindra@yahoo.com

Pavate Nagar

Dharwad-580003

Karnataka, INDIA

Fax (off): 0836-2747884

Mobile No: + 91-9611287943

Dear Sir/Madam,

I, Dr. Ravindra B. Chougale, Associate Professor, Department of Chemistry, K U Dharwad, confirm my interest and collaboration of research work in polymer chemistry from 2019 till the present with Dr. Saraswati Masti, Associate Professor, Department of Chemistry, Karnatak, Science College (K U Constituent College), Dharwad, with us the last five years to carry out good quality research with our mutual understanding and agreement.

Yours sincerely,

DR. RAVINDRA CHOUGALE
ASSOCIATE PROFESSOR
DEPARTMENT OF CHEMISTRY
KARNATAK UNIVERSITY,
DHARWAD-580 003



Karnatak University's
Karnatak Science College, Dharwad
Department of Chemistry



Dr. RAJAPPA.S.K
Assistant Professorr
Karnatak Science College
Dharwad-580 001

Mobile No: +919620626968
Phone No: 0836-2215400
Fax: 0836-2744334
Email: drrajappask@gmail.com

Date: 02-01-2022

RESEARCH COLLABORATION LETTER

I am Dr. Rajappa S K, presently working as an Assistant Professor in the Department of Chemistry, Karnatak Science College, Dharwad (since March -2012) and recognized as a Research guide by the Karnatak University, Dharwad (since 2015). Presently 05 research students and 04 M. Sc project students are working under my research supervision. Our research group is carrying out some significant research work in the area of electrochemistry and materials Science.

I have a **Research Collaboration with Dr. G H Malimath**, Associate Professor, Department of Physics, Karnatak Science College, Dharwad in order to **utilize the instruments and other research facilities** available in his research laboratory to carry out joint research work in the area of electrochemistry & materials science.

(RAJAPPA S K)
DR. RAJAPPA. S. K.
M.Sc.,Ph.D.
Assistant Professor
Department of Chemistry,
Karnatak Science College,
DHARWAD-580001



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF PHYSICS

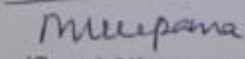


Phone: 0836-2215402
Fax : 0836-2744334

Website : www.kscd.ac.in

Date: 22-02-2023

I am Dr. (Smt.) Nirupama J.M., Assistant Professor of Physics, Karnatak Science College, Dharwad, worked on Research Project entitled "*Interaction of substituted chalcones with metal/semiconductor nanoparticles for their possible sensor applications*" in collaboration with Dr. Rajesh G. Kalkhambkar, Associate Professor of Chemistry, Karnatak Science College, Dharwad. The project was sanctioned by Karnatak University, Dharwad under University Research Seed Grant Policy for the academic year 2021-2022.


Dr. (Smt.) Nirupama J.M.



"A" Grade
NAAC Accredited 2014

Dr. Rajashekhar F. Bhajantri
Professor

ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಧಾರವಾಡ
KARNATAK UNIVERSITY, DHARWAD

Department of Physics
Pavate Nagar, Dharwad-580 003
Karnataka, India
Phone: 0836-2215316
Mobile: 9448623319
E-mail: rfbhajantri@gmail.com
rfbhajantri@kud.ac.in

Date: 23-12-2021

To whomsoever it may concern

This is to certify that, my research group is carrying out the collaborative research work with the research group headed by Dr. Blaise Lobo, Associate Professor, Department of Physics, Karnatak Science College, Dharwad for the year 2020-21 and till date. We are working on positron annihilation studies of polymer-based nanocomposites and other materials under this collaborative research activity. His research group are using the facilities in our research laboratory at Department of Physics, K.U. Dharwad and presently we are working on synthesis of nanoparticles and studies on polymer nanocomposites for energy storage devices.


(R. F. Bhajantri)
Dr. RAJASHEKHAR F. BHAJANTRI
Professor
Department of Studies in Physics
Karnatak University, Dharwad-580 003 India



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD
DEPARTMENT OF PHYSICS



Dr. Blaise Lobo

Associate Professor & Research Guide

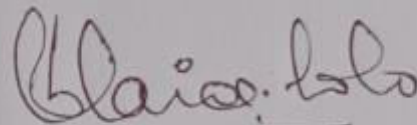
Dharwad

24th September 2022

TO WHOMSOEVER CONCERNED

LETTER REGARDING RESEARCH COLLABORATION

I hereby state that the research group headed by me in the Department of Physics, Karnatak University's Karnatak Science College, Dharwad has a fruitful collaboration with the research group of Dr. (Smt.) Saraswati P Masti, Associate Professor, Karnatak Science College, Dharwad. The collaboration work, which started in the year 2017 and is continuing to date, involves analysis of thermal analysis data, electrical characterization and tensile mechanical studies on polymeric blends and composites, including nano-composites. I am happy to state that a few research papers in reputed journals (with joint authorship) has resulted from this collaborative work, and it is expected to continue in the future days as well.


Dr. BLAISE LOBO
ASSOCIATE PROFESSOR
& RESEARCH GUIDE



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD



Dr. Saraswati P. Masti
Associate Professor
Department of Chemistry

E-mail: dr.sarsawtimasti@yahoo.com
Mobile No.:998055629

Date: 28/09/2022

TO WHOMSOEVER CONCERNED

LETTER REGARDING RESEARCH COLLABORATION

I hereby state that the research group headed by me in the Department of Chemistry, Karnatak University's Karnatak Science College, Dharwad has a fruitful collaboration with the research group of Dr. Blaise Lobo, Associate Professor, Karnatak Science College, Dharwad. The collaboration work, which started in the year 2017 and is continuing to date, involves analysis of thermal analysis data, electrical characterization and tensile mechanical studies on polymeric blends and composites, including nano-composites. I am happy to state that a few research papers in reputed journals (with joint authorship) has resulted from this collaborative work, and it is expected to continue in the future days as well.

Yours sincerely,


Dr. SARASWATI P. MASTI
Associate Professor
Department of Chemistry
Karnatak Science College
Dharwad-580 001



MEMORANDUM OF UNDERSTANDING

THIS MEMORANDUM OF UNDERSTANDING (the "Document") made as of 10-05-2022,
BETWEEN:

Apponix Technologies Pvt Ltd, 1st Party

AND

Karnataka Science College Dharwad (Department of Computer Science) as 2nd Party

BACKGROUND:

This Document will establish the basic terms to be used in a future agreement between the Parties. The terms contained in this Document are not comprehensive and it is expected that additional terms may be added, and existing terms may be changed or deleted based on mutual understanding of both parties. The basic terms are as follows:

What is Apponix?

Apponix Technologies Private Limited is a Bangalore based Training & Recruitment Company delivering classroom and online trainings in India, USA and UK.

Providing high quality training at affordable fees is our core value. We offer classroom and online training on niche technologies which are in high demand. All our trainers are IT professionals with rich experience.

Excellent Trainers and Fabulous Lab this is what you can expect from us.
Free training materials, Free Career consulting, Career guidance by experienced IT professionals, Pleasant and modern training rooms.

Goals and Objectives:

1. Apponix aims to provide best possible service to the 2nd Party.
2. The 2nd Party agrees to use Apponix Platform to go digital.
3. To train students on recent trends in corporate industry
4. To train students on preparing for interviews
5. Organizing campus interviews in Collaboration with KCD Computer science Dept.

Roles and Responsibilities:

- 2nd Party should coordinate with Apponix team in facilitating classroom for the Students on usage of Apponix platform.
- 2nd Party to coordinate and follow Apponix platform guidelines.

Duration of the MOU:

This is a non-binding Memorandum of Understanding (MOU) between 1st Party and 2nd Party.

- The MOU will apply from 10-05-2022 and will continue to apply until 10-05-2025
- Withdrawal of usage of Apponix is only applicable when 2nd party notifying the end of the usage of Apponix to 1st party.

Data Security and Backup


1st Party agrees to secure data of 2nd Party i.e., Confidentiality and Data Protection. 1st and 2nd Parties undertakes that it shall not at any time disclose to any person any confidential information concerning

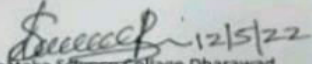
1. The business, Soft Data, affairs, customers, clients or suppliers of Seller or any of its affiliates
2. The operations, processes, product information, receipts and formula, know-how, Designs, trade secrets of seller or any of its affiliates
3. Every Year the Students Project Document Back up will be given to 2nd Party via Mail.
4. After providing backup for one year, it will be the responsibility of college to maintain the backup for all future needs: Apponix won't be responsible if there is a loss of data due to any unexpected circumstances after providing the backup to colleges.

This Document accurately reflects the understanding between the Parties, signed on 10-05-2022

Apponix Technologies Pvt Ltd
(1st Party)

for
Santosh H. H. H.
12/5/22
Ph No - 9886618241




Karnataka Science Collage Dharawad
(Dept of Computer Science)
(2nd Party)

2001 - 201/79/02/2019

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MOU) is between Karnatak Science College having its office at Dharwad
(Here in after referred to as KSCD)

And

Nichrome Testing Laboratory and Research Pvt. Ltd, having its office at Narayanpur, Judges Bungalow Road, Dasankoppa Circle Dharwad
(Here in after referred to as Nichrome Testing Laboratory and Research, Jundges Bungalow Road, Narayanpur, Dharwad)

Terms and Conditions:

1. Nature of collaboration.

- 1.1 This "MOU" is for collaboration between the parties for mutual benefits for the purpose set out in **Annexure-1** (purpose) to enhance the quality of educational and industrial experience for the students of both Laboratory and College.
- 1.2 The primary purpose of this MOU is to enhance the personality traits of the students studying in college and with NTLR.
- 1.3 This MOU shall be valid for **3 years** from the date of execution by both the parties.
- 1.4 Both the parties shall take all reasonable steps to ensure the successful completion of the collaboration and shall cooperate with each other in performance of their respective obligations.
- 1.5 The KSCD and NTLR will work in executing in various initiatives including those set out in **Annexure-1** to enhance the quality of graduates.
- 1.6 The consenting parties shall provide each other with the agreed upon materials and these shall be used as per guidelines and policies of either party. One shall extend to other all reasonable support including resources that may be required for the purpose and shall also provide platform for research, hands on training, research projects, conferences, seminars, workshops infrastructure and other facilities.

2. Mutual obligations.

- 2.1 This collaboration shall not be exclusive to both the parties and shall not disallow each party from having similar collaboration with other parties. Except as expressly stated in this MOU, there shall be no obligation on any party to compensate the other in any manner to make any claim.
- 2.2 Each party shall respect the other's name and reputation and shall use any symbol or status belonging to the other in accordance with this MOU or after obtaining the prior written approval of the other party.

ANNEXURE – 1 Purpose/Scope of Collaboration

- Promote academic interaction between basic science and life sciences.
- Create awareness about life sciences.
- Orientation towards Gender, Health and Development.
- Research Projects and Internship Programmes for U.G life science students.
- Hands on Training/workshop in Microbiology and chemistry for U.G life science students.
- Conducting Conference/Seminars/Workshop/Lectures/Symposium for U.G life science students in collaboration.
- Empower students with research and innovative skills.
- Extend laboratory facilities to each other.
- Faculty enablement of consenting parties.
- Interaction with subject experts.
- Sharing experience among the both parties.

In written whereof, both parties put their hard seal on the Day, Month and Year herein mentioned.

Date : 2/1/2019

Place ; Dharwad

Name: Poin. C. F. Mulimani

Designation; Principal

Signature


Principal
Karnatak Science College
Dharwad

Date: 2/1/2019

Place: Dharwad

Name: Dr. KRISHNA KULKARNI

Designation: MANAGING
DIRECTOR

Signature



THIS MEMORANDUM OF UNDERSTANDING (the "Document") made as of 28-01-2021,
BETWEEN

MySmartShala, Edu-Easy India Pvt Ltd, Belagavi as 1st Party

AND

Karnataka Science College Dharwad (Department of Computer Science) as 2nd Party

BACKGROUND:

This Document will establish the basic terms to be used in a future agreement between the Parties. The terms contained in this Document are not comprehensive and it is expected that additional terms may be added, and existing terms may be changed or deleted based on mutual understanding of both parties. The basic terms are as follows:

What is MySmartShala?

India's First Paperless Report Submission and Communication Platform for Educational Institutes.

MySmartShala is Platform to store and access digital documents anywhere with authorised signatory

MySmartshala has currently 2 Modules 1. Report Submission 2. Messaging Platform.

Goals and Objectives

- MySmartShala aims to provide best possible service to the 2nd Party.
- The 2nd Party agrees to use MySmartShala Platform to go digital.

Roles and Responsibilities

- 2nd Party should coordinate with MySmartShala team in guiding and training the college faculties and Students on usage of MySmartShala platform.
- 2nd Party to coordinate and follow MySmartShala platform guidelines.

Duration of the MOU

- This is a non-binding Memorandum of Understanding (MOU) between 1st Party and 2nd Party.
- The MOU will apply from 28-01-2022 and will continue to apply until 28-01-2025
- Withdrawal of usage of MySmartShala is only applicable when 2nd party notifying the end of the usage of MySmartShalaPlatform to 1st party.

Mou Between MySmartShala and KCD, Dept. Of CS

Data Security and Backup

- 1st Party agrees to secure data of 2nd Party i.e. Confidentiality and Data Protection. 1st and 2nd Parties undertake that it shall not at any time disclose to any person any confidential information concerning
 - i. The business, Soft Data, affairs, customers, clients or suppliers of Seller or any of its affiliates
 - ii. The operations, processes, product information, receipts and formula, know-how, designs, trade secrets of seller or any of its affiliates
- Every Year the Students Project Document Back up will be given to 2nd Party via Mail
- After providing backup for one year, it will be the responsibility of college to maintain the backup for all future needs, MySmartShala won't be responsible if there is a loss of data due to any unexpected circumstances after providing the backup to colleges.

Payment Details

- MySmartShala Platform is completely free to the Educational Institution
- MySmartShala will charge students i.e. Rs 100/- per semester (fees applicable to students who are uploading the documents)
- All the students are expected to make the payment in a timely manner abiding to time frame communicated by MySmartShala team
- On missing the payment deadlines by students, Extra Rs50 fine can be charged directly by college as a college amount.

This Document accurately reflects the understanding between the Parties, signed on 28-01-2022


MySmartShala, Edu-Easy India Pvt Ltd
Belagavi (1st Party)

Karnataka Science College Dharwad
(Department of Computer Science)
(2nd Party)

Am
28/01/22

28/01/22

Coordinator
Dept. of Computer Science
KSC Dharwad





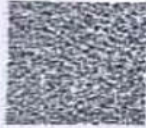
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Government of Karnataka

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Certificate No.	: IN-KA13795140902372U
Certificate Issued Date	: 20-Jan-2022 01:30 PM
Account Reference	: NONACC (FI)/ kakafcl08/ HUBLI14/ KA-DW
Unique Doc. Reference	: SUBIN-KAKAKSFCL0859589821922097U
Purchased by	: PRINCIPAL KLE SOCIETY P C JABIN SC COLLEGE HUBLI
Description of Document	: Article 12 Bond
Description	: M O U
Consideration Price (Rs.)	: 0 (Zero)
First Party	: PRINCIPAL KLE SOCIETY P C JABIN SC COLLEGE HUBLI
Second Party	: KARNATAKA SCIENCE COLLEGE DHARWAD
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Stamp Duty Amount(Rs.)	: 100 (One Hundred only)

Snf



Please write or type below this line

**Memorandum of Understanding for Academic Cooperation
Between
K. L. E's P.C.Jabin Science College Hubballi
And
Karnatak Science College, Dharwad**

This Memorandum of Understanding (MOU) is entered into on 19th January, 2022 by and between K.L.E. P. C. Jabin Science College, Autonomous, Hubballi and Karnatak Science College, Dharwad agree to cooperate in student and faculty exchanges would be mutually beneficial. The areas of cooperation may include, subject to mutual consent, any desirable and feasible activity that would further the goals of each institution. Such interaction may include cooperation in a variety of joint academic and educational activities such as:

Statutory Alert:

1. The authenticity of the e-stamp certificate should be verified at www.e-stamp.gov.in or using e-stamp Mobile App or Stamp Reading App. Authenticity of the details on the Certificate will be available on the website: www.e-stamp.gov.in or Stamp Reading App.
2. The date of the e-stamp certificate is on the issue of the certificate.
3. In case of any discrepancy, please contact the stamp duty authorities.

- Joint research projects and publications, including work by undergraduate graduate students at the partner institutions;
- Faculty and student exchanges based on reciprocity;
- Joint conferences and workshops;
- Team taught courses, including online courses, and
- Visits by faculty, professional staff, and students;
- Guest lecture

Objectives

The goal is to foster collaboration, provide opportunity for global experience, and to facilitate advancement of knowledge on the basis of reciprocity, best effort, mutual benefit in terms of service experience and knowledge, and frequent interactions. The K.L.E.'s P. C. Jabin Science College, Autonomous, Hubballi and Karnatak Science College, Dharwad agree

a) to exchange information on current advances in the field of science


b) to conduct guest lecturer, seminars and workshops jointly in college campus as well as at the community level.

K.L.E.'s P. C. Jabin Science College, Autonomous, Hubballi and Karnatak Science College, Dharwad further agree that detailed terms and conditions that guide each activity identified above will be separately determined and agreed upon by the two organisations. These terms shall include a technical description of the proposed activity.


Tenure and Termination

For agreed upon activities, both institutions will make available their facilities and staffs. This MOU will take effect on and will be valid for five (5) years from the date noted in the first line of this document unless terminated by one of the parties. Either party may withdraw from this MOU, provided written notification of the withdrawal is given to the other party at least three (3) months prior to the desired withdrawal date. This MOU may be renewed for another period of five (5) years upon mutual written consent of the parties before the expiration date. Each institution will have copies of this agreement.

The following authorized individuals have signed the present MOU on behalf of their respective institutions:


Principal
Karnatak Science College
Dharwad




Principal
K. L. E. Society's P. C. Jabin Science College
Vidyanagar, Hubballi,
Karnataka - 580031.





सत्यमेव जयते

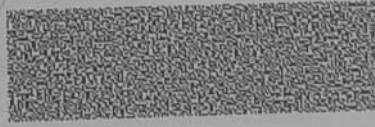
INDIA NON JUDICIAL

Government of Karnataka

e-Stamp

Certificate No. : IN-KA25759630752138U
Certificate Issued Date : 24-May-2022 01:15 PM
Account Reference : NONACC (FI)/ kacrsf108/ DHARWAD3/ KA-DW
Unique Doc. Reference : SUBIN-KAKACRSFL0878013358568708U
Purchased by : PRINCIPAL KARNATAK SCIENCE COLLEGE DHARWAD
Description of Document : Article 29 Indemnity Bond
Description : UNDERTAKING
Consideration Price (Rs.) : 0
(Zero)
First Party : PRINCIPAL KARNATAK SCIENCE COLLEGE DHARWAD
Second Party : V K F AGRI FARMS PVT LTD ZEAL MUSHROOM DHARWAD
Stamp Duty Paid By : PRINCIPAL KARNATAK SCIENCE COLLEGE DHARWAD
Stamp Duty Amount(Rs.) : 100
(One Hundred only)

Authorised Signature
Dharwad Dist Revenue Employee Credit
Co-op Society Ltd Revenue Social Club
Building, Near Head Post Office U B Hall
DHARWAD- 580001



Please write or type below this line

Memorandum of Understanding for Academic Cooperation
Between
Karnatak Science College, Dharwad.
And
V. K. F Agri Farms Pvt Ltd Dharwad

This Memorandum of Understanding (MOU) is entered into on 25/05/2022 by and between
Karnatak Science College Dharwad and V. K. F Agri Farms Pvt Ltd Dharwad

Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at 'www.shoilestamp.com' or using e-Stamp Mobile App of Stock Holding.
2. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
3. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

agree that cooperation in student and faculty exchanges would be mutually beneficial. The areas of cooperation may include, subject to mutual consent, any desirable and feasible activity that would further the goals of each institution. Such interaction may include cooperation in a variety of joint academic and education activities such as:

1. Joint research projects and publications. Including work by undergraduate, graduate students at the partner institutions;
2. Faculty and student visit and inhand experience based on reciprocity;
3. Joint workshops, lectures and extension programmes ;
4. Team taught classes and programmes ;
5. Visits by faculty, professional staff and students.
6. Guest lecture

Objectives

The goal is to foster collaboration provide opportunity for global experience, and to facilitate advancement of knowledge on the basis of reciprocity best effort mutual benefit in terms of service experience and knowledge, and frequent interactions. The Karnatak Science College, Dharwad and V. K. F Agri Farms Pvt Ltd Dharwad agree:

- a) To exchange information on current advances in the field of science.
- b) To conduct guest lecturer, seminars and workshops jointly in college campus as well as at the community level

Karnatak Science College, Dharwad and V. K. F Agri Farms Pvt Ltd Dharwad further agree that detailed terms and conditions that guide each activity identified above will be separately determined and agreed upon by the two organist ions. These terms shall include a technical description of the proposed activity.

Tenure and Termination

For agreed upon activities, both institutions will make available their facilities and staffs. This MOU will take effect on the will be valid for five (5) years from the date noted in the first line of this document unless terminated by one of the parties. Either party may withdraw from this MOU provided written notification of the withdrawal is given to the other party at least three (3) months prior to the desired to the desired withdrawal date. This MOU may be renewed for another period of five (5) years upon mutual written consent of the parties before the expiration date. Each institution will have copies of this agreement.

The following authorized individuals have signed the present MOU on behalf of their respective institutions:

VKF AGRI FARMS PVT. LTD.

Director



Principal,
Karnatak Science College
Dharwad.

2020-21



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD



Dr. Saraswati P. Masti
Associate Professor
Department of Chemistry

E-mail: dr.sarsawtimasti@yahoo.com
Mobile No.: 998055629


Date: 28/09/2022

TO WHOMSOEVER CONCERNED

LETTER REGARDING RESEARCH COLLABORATION

I hereby state that the research group headed by me in the Department of Chemistry, Karnatak University's Karnatak Science College, Dharwad has a fruitful collaboration with the research group of Dr. Blaise Lobo, Associate Professor, Karnatak Science College, Dharwad. The collaboration work, which started in the year 2017 and is continuing to date, involves analysis of thermal analysis data, electrical characterization and tensile mechanical studies on polymeric blends and composites, including nano-composites. I am happy to state that a few research papers in reputed journals (with joint authorship) has resulted from this collaborative work, and it is expected to continue in the future days as well.

Yours sincerely,


Dr. SARASWATI P. MASTI
Associate Professor
Department of Chemistry
Karnatak Science College
Dharwad-580 001

KARNATAK SCIENCE COLLEGE, DHARWAD
UG & PG DEPARTMENT OF PHYSICS

Dr. BLAISE LOBO
ASSOCIATE PROFESSOR
LAB. HEAD, POSITRON PHYSICS GROUP

DHARWAD
22-12-2021

TO WHOMSOEVER CONCERNED

SUBJECT: REGARDING RESEARCH COLLABORATION

This is to certify that there is collaborative research work of our group with the research group of Dr. Rajshekar F. Bhajantri, Professor, Department of Physics, Karnatak University, Pavatenagar, Dharwad 580 003. This collaborative research work has been undertaken during the years 2014-15, 2015-16, 2016-17, 2017-18, 2018-19, 2019-20, 2020-21 in the areas of Positron Annihilation Spectroscopy and Materials Science.



Blaise Lobo

DR. BLAISE LOBO
Department of Physics,
Karnatak Science College
DHARWAD-580 001
Karnataka State



"A" Grade
NAAC Accredited 2014

Dr. Rajashekhar F. Bhajantri
Professor

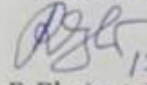
ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಧಾರವಾಡ
KARNATAK UNIVERSITY, DHARWAD

Department of Physics
Pavate Nagar, Dharwad-580 003
Karnataka, India
Phone: 0836-2215316
Mobile: 9448623319
E-mail: rfbhajantri@gmail.com
rfbhajantri@kud.ac.in

To whomsoever it may concern

I am happy to state that, we are doing collaborative research work with Dr. Saraswati P. Masti, Associate Professor of Chemistry, Karnatak Science College, Dharwad from 2008 to till date. We are using different experimental facilities of Dr. Saraswati P Masti's laboratory and her research group are using the facilities in our research laboratory at Department of Physics, K.U. Dharwad. Our research collaboration has yielded many publications in highly reputed international journals on materials science and chemical science. Our research collaboration is continuous and presently we are working on synthesis of nanoparticles and studies on polymer nanocomposites for optical applications and polymer electrolytes for energy storage devices.

Yours sincerely


17/9/2021
Dr. RAJASHEKHAR F. BHAJANTRI
Professor
Department of Studies in Physics
Karnatak University, Dharwad-580 003 India



MANIPAL INSTITUTE OF TECHNOLOGY

MANIPAL

(A constituent institution of MAHE, Manipal)

DEPARTMENT OF PHYSICS

21-09-2022

To whomsoever it may concern

This is to declare that our research group has been carrying out research collaboration with Dr. Saraswati P. Masti, Associate Professor, Department of Chemistry, Karnatak Science College, Dharwad - 580 001, India from 2019 onwards. The following research publications are resulted in the collaborations till now.

- 1) Ionic conductivity enhancement of PVA: Carboxymethyl cellulose poly- blend electrolyte films through the doping of NaI salt
Vipin Cyriac, Ismayil, I. M. Noor, Kuldeep Mishra, Chetan Chavan, Rajashekhar F. Bhajantri, Saraswati P. Masti
Cellulose 29 (2022) 3271–3291.
- 2) Dielectric relaxations and ion transport study of NaCMC:NaNO₃ solid polymer electrolyte films
Supriya K Shetty, Ismayil, Shreedatta Hegde, V Ravindrachary, Ganesh Sanjeev, Rajashekhar F Bhajantri, Saraswati P Masti
Ionics 27 (2021) 2509-2525.

Dr. Ismayil
Assistant Professor- Selection Grade
Department of Physics,
Manipal Institute of Technology,
Manipal Academy of Higher Education,
Manipal - 576 104, Karnataka, India
Mob: +91 98454 97546
E-Mail : ismayil.mit@manipal.edu



JAIN
DEEMED-TO-BE UNIVERSITY

FACULTY OF
ENGINEERING
AND TECHNOLOGY

Department of Basic Science Department

From,

Dr. Deepak R. Kasai
Assistant Professor
Basic Science Department
Faculty of Engineering and Technology
Jain (Deemed-To-Be University), Jakkasandra,
Bangalore-562112

Subject: Research collaboration Reg.

With reference to the above mentioned subject, I am Dr. Deepak Kasai, assistant Professor Happy to declare that, Dr. Saraswati Masti, Associate Professor, Karnataka Science College, Dharwad, doing collaboration work from 2019 till the present with Faculty of Engineering and Technology, Jain (Deemed-To-Be University). Both the institutions using reasonable endeavours to carry out the research work to high standards and in accordance with the mutual agreement.

Sincerely

Dr. Deepak Kasai

KARNATAK UNIVERSITY

Pavate Nagar, Dharwad-580003,
Karnataka, India



Accredited Grade 'A'
by NAAC

Prof.V. Shyam Kumar

D.Sc (China), Post DOC (SNU, Korea, QMUL, U.K)

Professor

Principal Investigator UKIERI, SERB, DBT, DST & UGC
Projects

Department of Biotechnology and Microbiology

Ph:91-836-2215356

(R)91-836-2770366

Fax:(O)91-836-2747884

91-836-2771275

E-mail: vootlashvam@kud.ac.in

To whomsoever it may concern

I am happy to state that I am collaborating with Dr. Saraswati Masti, Department of Chemistry, Karnatak Science College, Dharwad. Our lab has been collaborating with Dr. Saraswati Masti on various aspects of Polymer blend films for active food packing applications from 2019 till the present. Our collaboration has yielded publications in International Journal of Biological Macromolecules, Food Hydrocolloids and our collaboration is continuous and currently working on Smart biodegradable films.

Yours sincerely,

Dr. V. Shyam Kumar

Professor

Dept. of Biotechnology and Microbiology
Karnatak University, Dharwad-580 003

University with Potential for Excellence

KARNATAK



UNIVERSITY

Dr. Ravindra B. Chougale

Associate Professor

PG Department of Studies in Chemistry

Phone (off): 0836-2215286

chougaleravindra@yahoo.com

Pavate Nagar

Dharwad-580003

Karnataka, INDIA

Fax (off): 0836-2747884

Mobile No: + 91-9611287943

Dear Sir/Madam,

I, Dr. Ravindra B. Chougale, Associate Professor, Department of Chemistry, K U Dharwad, confirm my interest and collaboration of research work in polymer chemistry from 2019 till the present with Dr. Saraswati Masti, Associate Professor, Department of Chemistry, Karnatak, Science College (K U Constituent College), Dharwad, with us the last five years to carry out good quality research with our mutual understanding and agreement.

Yours sincerely,

DR. RAVINDRA CHOUGALE
ASSOCIATE PROFESSOR
DEPARTMENT OF CHEMISTRY
KARNATAK UNIVERSITY,
DHARWAD-580 003



"A" Grade
NAAC Accredited 2014

Dr. Rajashekhar F. Bhajantri
Professor

ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಧಾರವಾಡ
KARNATAK UNIVERSITY, DHARWAD

Department of Physics
Pavate Nagar, Dharwad-580 003
Karnataka, India
Phone: 0836-2215316
Mobile: 9448623319
E-mail: rfbhajantri@gmail.com
rfbhajantri@kud.ac.in

Date: 23-12-2021

To whomsoever it may concern

This is to certify that, my research group is carrying out the collaborative research work with the research group headed by Dr. Blaise Lobo, Associate Professor, Department of Physics, Karnatak Science College, Dharwad for the year 2020-21 and till date. We are working on positron annihilation studies of polymer-based nanocomposites and other materials under this collaborative research activity. His research group are using the facilities in our research laboratory at Department of Physics, K.U. Dharwad and presently we are working on synthesis of nanoparticles and studies on polymer nanocomposites for energy storage devices.


(R. F. Bhajantri)
Dr. RAJASHEKHAR F. BHAJANTRI
Professor
Department of Studies in Physics
Karnatak University, Dharwad-580 003 India



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD
DEPARTMENT OF PHYSICS



Dr. Blaise Lobo

Associate Professor & Research Guide

Dharwad

24th September 2022

TO WHOMSOEVER CONCERNED

LETTER REGARDING RESEARCH COLLABORATION

I hereby state that the research group headed by me in the Department of Physics, Karnatak University's Karnatak Science College, Dharwad has a fruitful collaboration with the research group of Dr. (Smt.) Saraswati P Masti, Associate Professor, Karnatak Science College, Dharwad. The collaboration work, which started in the year 2017 and is continuing to date, involves analysis of thermal analysis data, electrical characterization and tensile mechanical studies on polymeric blends and composites, including nano-composites. I am happy to state that a few research papers in reputed journals (with joint authorship) has resulted from this collaborative work, and it is expected to continue in the future days as well.

Blaise Lobo
Dr. BLAISE LOBO
ASSOCIATE PROFESSOR
& RESEARCH GUIDE



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD



Dr. Saraswati P. Masti
Associate Professor
Department of Chemistry

E-mail: dr.sarsawtimasti@yahoo.com
Mobile No.:998055629


Date: 28/09/2022

TO WHOMSOEVER CONCERNED

LETTER REGARDING RESEARCH COLLABORATION

I hereby state that the research group headed by me in the Department of Chemistry, Karnatak University's Karnatak Science College, Dharwad has a fruitful collaboration with the research group of Dr. Blaise Lobo, Associate Professor, Karnatak Science College, Dharwad. The collaboration work, which started in the year 2017 and is continuing to date, involves analysis of thermal analysis data, electrical characterization and tensile mechanical studies on polymeric blends and composites, including nano-composites. I am happy to state that a few research papers in reputed journals (with joint authorship) has resulted from this collaborative work, and it is expected to continue in the future days as well.

Yours sincerely,


Dr. SARASWATI P. MASTI
Associate Professor
Department of Chemistry
Karnatak Science College
Dharwad-580 001

2001 - 201/79/02/2019

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MOU) is between Karnatak Science College having its office at Dharwad
(Here in after referred to as KSCD)

And

Nichrome Testing Laboratory and Research Pvt. Ltd, having its office at Narayanpur, Judges Bungalow Road, Dasankoppa Circle Dharwad
(Here in after referred to as Nichrome Testing Laboratory and Research, Jundges Bungalow Road, Narayanpur, Dharwad)

Terms and Conditions:

1. Nature of collaboration.

- 1.1 This "MOU" is for collaboration between the parties for mutual benefits for the purpose set out in **Annexure-1** (purpose) to enhance the quality of educational and industrial experience for the students of both Laboratory and College.
- 1.2 The primary purpose of this MOU is to enhance the personality traits of the students studying in college and with NTLR.
- 1.3 This MOU shall be valid for **3 years** from the date of execution by both the parties.
- 1.4 Both the parties shall take all reasonable steps to ensure the successful completion of the collaboration and shall cooperate with each other in performance of their respective obligations.
- 1.5 The KSCD and NTLR will work in executing in various initiatives including those set out in **Annexure-1** to enhance the quality of graduates.
- 1.6 The consenting parties shall provide each other with the agreed upon materials and these shall be used as per guidelines and policies of either party. One shall extend to other all reasonable support including resources that may be required for the purpose and shall also provide platform for research, hands on training, research projects, conferences, seminars, workshops infrastructure and other facilities.

2. Mutual obligations.

- 2.1 This collaboration shall not be exclusive to both the parties and shall not disallow each party from having similar collaboration with other parties. Except as expressly stated in this MOU, there shall be no obligation on any party to compensate the other in any manner to make any claim.
- 2.2 Each party shall respect the others name and reputation and shall use any symbol or status belonging to other in accordance with this MOU or after obtaining the prior written approval of the other party.

ANNEXURE – 1 Purpose/Scope of Collaboration

- Promote academic interaction between basic science and life sciences.
- Create awareness about life sciences.
- Orientation towards Gender, Health and Development.
- Research Projects and Internship Programmes for U.G life science students.
- Hands on Training/workshop in Microbiology and chemistry for U.G life science students.
- Conducting Conference/Seminars/Workshop/Lectures/Symposium for U.G life science students in collaboration.
- Empower students with research and innovative skills.
- Extend laboratory facilities to each other.
- Faculty enablement of consenting parties.
- Interaction with subject experts.
- Sharing experience among the both parties.

In written whereof, both parties put their hard seal on the Day, Month and Year herein mentioned.

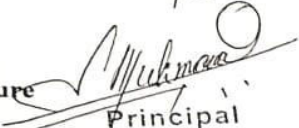
Date : 2/1/2019

Place ; Dharwad

Name: Poin. C. F. Mulimani

Designation; Principal

Signature


Principal
Karnatak Science College
Dharwad

Date: 2/1/2019

Place: Dharwad

Name: DR. KRISHNA KULKARNI

Designation: MANAGING
DIRECTOR

Signature



2019-20



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD



Dr. Saraswati P. Masti
Associate Professor
Department of Chemistry

E-mail: dr.sarsawtimasti@yahoo.com
Mobile No.: 998055629


Date: 28/09/2022

TO WHOMSOEVER CONCERNED

LETTER REGARDING RESEARCH COLLABORATION

I hereby state that the research group headed by me in the Department of Chemistry, Karnatak University's Karnatak Science College, Dharwad has a fruitful collaboration with the research group of Dr. Blaise Lobo, Associate Professor, Karnatak Science College, Dharwad. The collaboration work, which started in the year 2017 and is continuing to date, involves analysis of thermal analysis data, electrical characterization and tensile mechanical studies on polymeric blends and composites, including nano-composites. I am happy to state that a few research papers in reputed journals (with joint authorship) has resulted from this collaborative work, and it is expected to continue in the future days as well.

Yours sincerely,


Dr. SARASWATI P. MASTI
Associate Professor
Department of Chemistry
Karnatak Science College
Dharwad-580 001

KARNATAK SCIENCE COLLEGE, DHARWAD
UG & PG DEPARTMENT OF PHYSICS

Dr. BLAISE LOBO
ASSOCIATE PROFESSOR
LAB. HEAD, POSITRON PHYSICS GROUP

DHARWAD
22-12-2021

TO WHOMSOEVER CONCERNED

SUBJECT: REGARDING RESEARCH COLLABORATION

This is to certify that there is collaborative research work of our group with the research group of Dr. Rajshekar F. Bhajantri, Professor, Department of Physics, Karnatak University, Pavatenagar, Dharwad 580 003. This collaborative research work has been undertaken during the years 2014-15, 2015-16, 2016-17, 2017-18, 2018-19, 2019-20, 2020-21 in the areas of Positron Annihilation Spectroscopy and Materials Science.



Blaise Lobo

DR. BLAISE LOBO
Department of Physics,
Karnatak Science College
DHARWAD-580 001
Karnataka State



"A" Grade
NAAC Accredited 2014

Dr. Rajashekhar F. Bhajantri
Professor

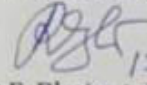
ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಧಾರವಾಡ
KARNATAK UNIVERSITY, DHARWAD

Department of Physics
Pavate Nagar, Dharwad-580 003
Karnataka, India
Phone: 0836-2215316
Mobile: 9448623319
E-mail: rfbhajantri@gmail.com
rfbhajantri@kud.ac.in

To whomsoever it may concern

I am happy to state that, we are doing collaborative research work with Dr. Saraswati P. Masti, Associate Professor of Chemistry, Karnatak Science College, Dharwad from 2008 to till date. We are using different experimental facilities of Dr. Saraswati P Masti's laboratory and her research group are using the facilities in our research laboratory at Department of Physics, K.U. Dharwad. Our research collaboration has yielded many publications in highly reputed international journals on materials science and chemical science. Our research collaboration is continuous and presently we are working on synthesis of nanoparticles and studies on polymer nanocomposites for optical applications and polymer electrolytes for energy storage devices.

Yours sincerely


17/9/2021
Dr. RAJASHEKHAR F. BHAJANTRI
Professor
Department of Studies in Physics
Karnatak University, Dharwad-580 003 India



MANIPAL INSTITUTE OF TECHNOLOGY

MANIPAL

(A constituent institution of MAHE, Manipal)

DEPARTMENT OF PHYSICS

21-09-2022

To whomsoever it may concern

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Ionics 27 (2021) 2509-2525.

Dr. Ismayil

Assistant Professor- Selection Grade
Department of Physics,
Manipal Institute of Technology,
Manipal Academy of Higher Education,
Manipal - 576 104, Karnataka, India
Mob: +91 98454 97546
E-Mail : ismayil.mit@manipal.edu



JAIN
DEEMED-TO-BE UNIVERSITY

FACULTY OF
ENGINEERING
AND TECHNOLOGY

Department of Basic Science Department

From,

Dr. Deepak R. Kasai
Assistant Professor
Basic Science Department
Faculty of Engineering and Technology
Jain (Deemed-To-Be University), Jakkasandra,
Bangalore-562112

Subject: Research collaboration Reg.

With reference to the above mentioned subject, I am Dr. Deepak Kasai, assistant Professor Happy to declare that, Dr. Saraswati Masti, Associate Professor, Karnataka Science College, Dharwad, doing collaboration work from 2019 till the present with Faculty of Engineering and Technology, Jain (Deemed-To-Be University). Both the institutions using reasonable endeavours to carry out the research work to high standards and in accordance with the mutual agreement.

Sincerely

A small, square image showing a handwritten signature in blue ink, which appears to be 'Deepak Kasai'.

Dr. Deepak Kasai

KARNATAK UNIVERSITY

Pavate Nagar, Dharwad-580003,

Karnataka, India



Accredited Grade 'A'

by NAAC

Prof.V. Shyam Kumar

D.Sc (China), Post DOC (SNU, Korea, QMUL, U.K)

Professor

Principal Investigator UKIERI, SERB, DBT, DST & UGC

Projects

Department of Biotechnology and Microbiology

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(R)91-836-2770366

Fax:(O)91-836-2747884

91-836-2771275

E-mail: vootlashvam@kud.ac.in

To whomsoever it may concern

I am happy to state that I am collaborating with Dr. Saraswati Masti, Department of Chemistry, Karnatak Science College, Dharwad. Our lab has been collaborating with Dr. Saraswati Masti on various aspects of Polymer blend films for active food packing applications from 2019 till the present. Our collaboration has yielded publications in International Journal of Biological Macromolecules, Food Hydrocolloids and our collaboration is continuous and currently working on Smart biodegradable films.

Yours sincerely,

Dr. V. Shyam Kumar

Professor

Dept. of Biotechnology and Microbiology
Karnatak University, Dharwad-580 003

University with Potential for Excellence

KARNATAK



UNIVERSITY

Dr. Ravindra B. Chougale

Associate Professor

PG Department of Studies in Chemistry

Phone (off): 0836-2215286

chougaleravindra@yahoo.com

Pavate Nagar

Dharwad-580003

Karnataka, INDIA

Fax (off): 0836-2747884

Mobile No: + 91-9611287943

Dear Sir/Madam,

I, Dr. Ravindra B. Chougale, Associate Professor, Department of Chemistry, K U Dharwad, confirm my interest and collaboration of research work in polymer chemistry from 2019 till the present with Dr. Saraswati Masti, Associate Professor, Department of Chemistry, Karnatak, Science College (K U Constituent College), Dharwad, with us the last five years to carry out good quality research with our mutual understanding and agreement.

Yours sincerely,

DR. RAVINDRA CHOUGALE
ASSOCIATE PROFESSOR
DEPARTMENT OF CHEMISTRY
KARNATAK UNIVERSITY,
DHARWAD-580 003



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD
DEPARTMENT OF PHYSICS



Dr. Blaise Lobo

Associate Professor & Research Guide

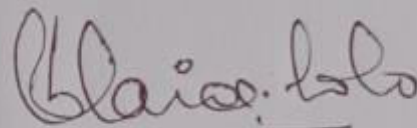
Dharwad

24th September 2022

TO WHOMSOEVER CONCERNED

LETTER REGARDING RESEARCH COLLABORATION

I hereby state that the research group headed by me in the Department of Physics, Karnatak University's Karnatak Science College, Dharwad has a fruitful collaboration with the research group of Dr. (Smt.) Saraswati P Masti, Associate Professor, Karnatak Science College, Dharwad. The collaboration work, which started in the year 2017 and is continuing to date, involves analysis of thermal analysis data, electrical characterization and tensile mechanical studies on polymeric blends and composites, including nano-composites. I am happy to state that a few research papers in reputed journals (with joint authorship) has resulted from this collaborative work, and it is expected to continue in the future days as well.


Dr. BLAISE LOBO
ASSOCIATE PROFESSOR
& RESEARCH GUIDE



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD



Dr. Saraswati P. Masti
Associate Professor
Department of Chemistry

E-mail: dr.sarsawtimasti@yahoo.com
Mobile No.:998055629

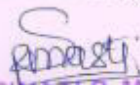
Date: 28/09/2022

TO WHOMSOEVER CONCERNED

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Dr. SARASWATI P. MASTI
Associate Professor
Department of Chemistry
Karnatak Science College
Dharwad-580 001

2001 - 201/79/02/2019

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(Here in after referred to as KSCD)

And

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ANNEXURE – 1 Purpose/Scope of Collaboration

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- Empower students with research and innovative skills.
- Extend laboratory facilities to each other.
- Faculty enablement of consenting parties.
- Interaction with subject experts.
- Sharing experience among the both parties.

In written whereof, both parties put their hard seal on the Day, Month and Year herein mentioned.

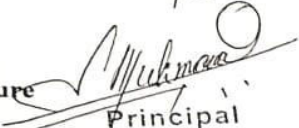
Date : 2/1/2019

Place ; Dharwad

Name: Poin. C. F. Mulimani

Designation; Principal

Signature


Principal
Karnatak Science College
Dharwad

Date: 2/1/2019

Place: Dharwad

Name: DR. KRISHNA KULKARNI

Designation: MANAGING
DIRECTOR

Signature



2018-19



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD



Dr. Saraswati P. Masti
Associate Professor
Department of Chemistry

E-mail: dr.sarsawtimasti@yahoo.com
Mobile No.:998055629


Date: 28/09/2022

TO WHOMSOEVER CONCERNED

LETTER REGARDING RESEARCH COLLABORATION

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Yours sincerely,


Dr. SARASWATI P. MASTI
Associate Professor
Department of Chemistry
Karnatak Science College
Dharwad-580 001

KARNATAK SCIENCE COLLEGE, DHARWAD
UG & PG DEPARTMENT OF PHYSICS

Dr. BLAISE LOBO
ASSOCIATE PROFESSOR
LAB. HEAD, POSITRON PHYSICS GROUP

DHARWAD
22-12-2021

TO WHOMSOEVER CONCERNED

SUBJECT: REGARDING RESEARCH COLLABORATION

This is to certify that there is collaborative research work of our group with the research group of Dr. Rajshekar F. Bhajantri, Professor, Department of Physics, Karnatak University, Pavatenagar, Dharwad 580 003. This collaborative research work has been undertaken during the years 2014-15, 2015-16, 2016-17, 2017-18, 2018-19, 2019-20, 2020-21 in the areas of Positron Annihilation Spectroscopy and Materials Science.



Blaise Lobo

Dr. BLAISE LOBO
Department of Physics,
Karnatak Science College
DHARWAD-580 001
Karnataka State



"A" Grade
NAAC Accredited 2014

Dr. Rajashekhar F. Bhajantri
Professor

ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಧಾರವಾಡ
KARNATAK UNIVERSITY, DHARWAD

Department of Physics
Pavate Nagar, Dharwad-580 003
Karnataka, India
Phone: 0836-2215316
Mobile: 9448623319
E-mail: rfbhajantri@gmail.com
rfbhajantri@kud.ac.in

To whomsoever it may concern

I am happy to state that, we are doing collaborative research work with Dr. Saraswati P. Masti, Associate Professor of Chemistry, Karnatak Science College, Dharwad from 2008 to till date. We are using different experimental facilities of Dr. Saraswati P Masti's laboratory and her research group are using the facilities in our research laboratory at Department of Physics, K.U. Dharwad. Our research collaboration has yielded many publications in highly reputed international journals on materials science and chemical science. Our research collaboration is continuous and presently we are working on synthesis of nanoparticles and studies on polymer nanocomposites for optical applications and polymer electrolytes for energy storage devices.

Yours sincerely

17/9/2021
Dr. RAJASHEKHAR F. BHAJANTRI
Professor
Department of Studies in Physics
Karnatak University, Dharwad-580 003 India



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD
DEPARTMENT OF PHYSICS



Dr. Blaise Lobo

Associate Professor & Research Guide

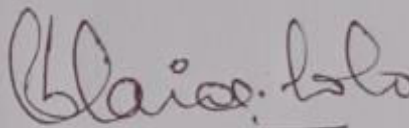
Dharwad

24th September 2022

TO WHOMSOEVER CONCERNED

LETTER REGARDING RESEARCH COLLABORATION

I hereby state that the research group headed by me in the Department of Physics, Karnatak University's Karnatak Science College, Dharwad has a fruitful collaboration with the research group of Dr. (Smt.) Saraswati P Masti, Associate Professor, Karnatak Science College, Dharwad. The collaboration work, which started in the year 2017 and is continuing to date, involves analysis of thermal analysis data, electrical characterization and tensile mechanical studies on polymeric blends and composites, including nano-composites. I am happy to state that a few research papers in reputed journals (with joint authorship) has resulted from this collaborative work, and it is expected to continue in the future days as well.


Dr. BLAISE LOBO
ASSOCIATE PROFESSOR
& RESEARCH GUIDE



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD



Dr. Saraswati P. Masti
Associate Professor
Department of Chemistry

E-mail: dr.sarsawtimasti@yahoo.com
Mobile No.:998055629

Date: 28/09/2022

TO WHOMSOEVER CONCERNED

LETTER REGARDING RESEARCH COLLABORATION

I hereby state that the research group headed by me in the Department of Chemistry, Karnatak University's Karnatak Science College, Dharwad has a fruitful collaboration with the research group of Dr. Blaise Lobo, Associate Professor, Karnatak Science College, Dharwad. The collaboration work, which started in the year 2017 and is continuing to date, involves analysis of thermal analysis data, electrical characterization and tensile mechanical studies on polymeric blends and composites, including nano-composites. I am happy to state that a few research papers in reputed journals (with joint authorship) has resulted from this collaborative work, and it is expected to continue in the future days as well.

Yours sincerely,


Dr. SARASWATI P. MASTI
Associate Professor
Department of Chemistry
Karnatak Science College
Dharwad-580 001

2001 - 201/79/02/2019

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MOU) is between Karnatak Science College having its office at Dharwad
(Here in after referred to as KSCD)

And

Nichrome Testing Laboratory and Research Pvt. Ltd, having its office at Narayanpur, Judges Bungalow Road, Dasankoppa Circle Dharwad
(Here in after referred to as Nichrome Testing Laboratory and Research, Jundges Bungalow Road, Narayanpur, Dharwad)

Terms and Conditions:

1. Nature of collaboration.

- 1.1 This "MOU" is for collaboration between the parties for mutual benefits for the purpose set out in **Annexure-1** (purpose) to enhance the quality of educational and industrial experience for the students of both Laboratory and College.
- 1.2 The primary purpose of this MOU is to enhance the personality traits of the students studying in college and with NTLR.
- 1.3 This MOU shall be valid for **3 years** from the date of execution by both the parties.
- 1.4 Both the parties shall take all reasonable steps to ensure the successful completion of the collaboration and shall cooperate with each other in performance of their respective obligations.
- 1.5 The KSCD and NTLR will work in executing in various initiatives including those set out in **Annexure-1** to enhance the quality of graduates.
- 1.6 The consenting parties shall provide each other with the agreed upon materials and these shall be used as per guidelines and policies of either party. One shall extend to other all reasonable support including resources that may be required for the purpose and shall also provide platform for research, hands on training, research projects, conferences, seminars, workshops infrastructure and other facilities.

2. Mutual obligations.

- 2.1 This collaboration shall not be exclusive to both the parties and shall not disallow each party from having similar collaboration with other parties. Except as expressly stated in this MOU, there shall be no obligation on any party to compensate the other in any manner to make any claim.
- 2.2 Each party shall respect the others name and reputation and shall use any symbol or status belonging to other in accordance with this MOU or after obtaining the prior written approval of the other party.

ANNEXURE – 1 Purpose/Scope of Collaboration

- Promote academic interaction between basic science and life sciences.
- Create awareness about life sciences.
- Orientation towards Gender, Health and Development.
- Research Projects and Internship Programmes for U.G life science students.
- Hands on Training/workshop in Microbiology and chemistry for U.G life science students.
- Conducting Conference/Seminars/Workshop/Lectures/Symposium for U.G life science students in collaboration.
- Empower students with research and innovative skills.
- Extend laboratory facilities to each other.
- Faculty enablement of consenting parties.
- Interaction with subject experts.
- Sharing experience among the both parties.

In written whereof, both parties put their hard seal on the Day, Month and Year herein mentioned.

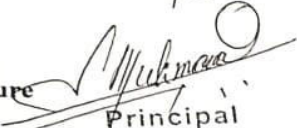
Date : 2/1/2019

Place ; Dharwad

Name: Poin. C. F. Mulimani

Designation; Principal

Signature


Principal
Karnatak Science College
Dharwad

Date: 2/1/2019

Place: Dharwad

Name: DR. KRISHNA KULKARNI

Designation: MANAGING
DIRECTOR

Signature

