



महाराष्ट्र/प्रकार/अनुच्छेद क्रमांक - 2017
साधकान्त परवाना

SG 835649



08 DEC 2017

हस्त नोंदणी करणार आहेत का? होय/नाही

नोंदणी होणार असल्यास दुय्यम निबंधक कार्यालयाचे नांव

मुद्रांक विक्रेत्याचे नांव :- सौ. विद्या सुकुमार कन्याप्पा, रा. जयसिंगपूर

बोर्ड नं. २६१२०२५, प.क्र. २७/१९९७, ठिकाण-प्लॉट नं. ३३ यशवंत हौ. सोसा. जयसिंगपूर

मुद्रांक विक्री अ.क्र. :- ८४८० दिनांक :- ०४/०१/२०१८

मुद्रांक शुल्क किंमत रुपये . १००/-

मुद्रांक विकत घेणाऱ्याचे नांव :- सचिव, अनेकांत एज्युकेशन सोसा. स्थानिक समिती, जयसिंगपूर

दुसऱ्या पक्षकाराचे नांव :- जयसिंगपूर

हस्त असल्यास त्याचे नांव व पत्ता :- संजय आठ्ठासो चवरे, जयसिंगपूर

मिळकतीचे वर्णन :- (DLNO.MH09 20100614409) V.S. Karmann

मोबदला रक्कम रुपये :-

SUB - TREASURY OFFICER
SHIROL

मुद्रांक विक्रेत्याची सही

मुद्रांक विकत घेणाऱ्याची सही

ज्या कारणासाठी ज्यांनी मुद्रांक खरेदी केला त्यांनी
त्याच कारणासाठी मुद्रांक खरेदी केल्यापासून ६
महिऱ्यात वापरणे बंधनकारक आहे.

Memorandum of Understanding (MOU)

Between

1) Principal,

Jaysingpur College, Jaysingpur, Affiliated to Shivaji University, Kolhapur

Tal-Shirol, Dist-Kolhapur. PIN-416101

Wishes to sign MOU with,

2) Principal,

D.B.F. Dayanand College of Arts and Science, Solapur, Affiliated to Solapur

University, Solapur. Dist-Solapur. PIN-413003



The multi disciplinary and multi institutional approach is necessary in the field of teaching, learning and research to enhance the quality for the said cause, Dr. Mrs. S.S. Mahajan, Head, Department of Physics, Jaysingpur College, Jaysingpur will represent Jaysingpur College, Jaysingpur henceforth will called as party I and Dr. D.S. Sutrave on behalf of Dept. of Electronics, D.B.F. Dayanand College of Arts and Science, Solapur henceforth it will be called as party II.

The party I wish to extend its cooperation and exchange of faculty, infrastructure and sharing of research facilities. The party II has specialized equipment's required for high quality research in materials science like spray pyrolysis, Chemical Bath Deposition (CBD), SILAR, Potentiostat etc. will be made available to the students and researchers from Party I. In addition to that there will be faculty exchange programme in both colleges. The principal of party I will allow to teachers and students to visit college of party II for learning and research purpose. The travelling charges will be browned by visiting college while if possible both the college will try to provide temporary accommodation in hostel or elsewhere.

The faculty and students from party II will visit the party I college for academic exchange or sharing of research facilities. Party I has state of art analytical laboratory with UV visible spectrophotometer, HPLC, FTIR, BET apparatus, Density meter, Atomic Absorption Spectrometer etc. Both the parties will provide the laboratory facilities free of cost or with minimum charges.

The MOU will effect from the date of signing of both the parties and ATR and review report will be shared every year so as to increase fruitfulness of the linkage.

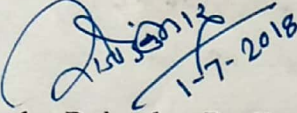
The memorandum may be terminated by either party after mutual discussion or it can be extended to five years. A small apex committee (not more than five members) will coordinate the exchange activities between the two parties.

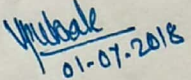
(3)

The Apex committee will be as bellow.

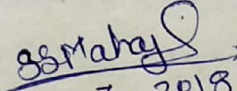
- 1) Principal Rajendra R. Kumbhar, Jaysingpur College, Jaysingpur
- 2) Principal Vijaykumar P. Ubale, D.B.F. Dayanand College of Arts and Science, Solapur.
- 3) Dr. Mrs.Smita S. Mahajan, Jaysingpur College, Jaysingpur
- 4) Dr. Dattatraye S. Sutrave, D.B.F. Dayanand College of Arts and Science, Solapur.
- 5) Dr. Prashant P. Chikode, Jaysingpur College, Jaysingpur





Principal Rajendra R. Kumbhar
Jaysingpur College, Jaysingpur


Principal Vijaykumar P. Ubale
D.B.F. Dayanand College of Arts and
Science, Solapur

Witness :- (1) Dr. Mrs. Smita S. Mahajan


1-7-2018

(2) Dr. Dattatraye S. Sutrave


1/7/2018



Dr. D. S. Sutrave

M.Sc., M.Phil., Ph.D
DEPARTMENT OF ELECTRONICS
**D. B. F. Dayanand College of Arts &
Science, Solapur, M.S, India- 413002**
(NAAC Accredited 'A' Grade)
(College with Potential for Excellence)

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■ Life Member
Semiconductor Society
of India

■ Principal Investigator
UGC MRP
F. No. 42-123/2013(SR)

ACTIVITY REPORT

The MoU signed between Principal Jaysingpur College, Jaysingpur and Principal DBF Dayanand College of Arts and Science, Solapur on 1st July 2018

The request received from Miss Savita Gavandi a research scholar working for Ph.D. under the guidance Dr. S. S. Mahajan, from Jaysingpur College, Jaysingpur.

The Following activities are conducted in the month of December 2018 and January 2019

- Miss Savita Gavandi worked in our research laboratory for the deposition of thin film of binary metal oxide (NiCu and CoCu) by Sol-Gel Spin Coating technique for this Millman Spin Coater System is used. The candidate is given training how to deposit the samples. How to set the different parameter like Spin time, deposition time etc.
- Miss Savita Gavandi is trained for the Electrochemical Characterisation by using "ELECTROCHEMICAL WORK STATION".
- The candidate is trained how the system parameters are set.



S.S. Mahajan

Head
Department of Physics
(Jr. College)

[Signature]
11/2/2019
Dr. D.S. Sutrave

Dr. D. S. Sutrave

M.Sc., M.Phil., Ph.D
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1 July 2019

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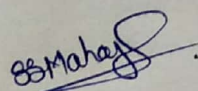
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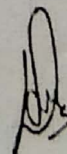
The request received from Miss Savita Gavandi a research scholar working for Ph.D. under the guidance of Dr. S. S. Mahajan, from Jaysingpur College, Jaysingpur.

The Following activities are conducted in the month of 1st January 2019 to 30th June 2019.

- Miss Savita Gavandi is trained to identify the research problem.
- The candidate did literature survey of the material and synthesis technique.
- Miss Savita Gavandi presented research topic to University.
- Approval for research topic.



Head
Department of Physics
(Sr. College)



P. J. D. S. Sutrave

Dr. D. S. Sutrave

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

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The Following activities are conducted in the month of 1st July 2019 to 31st December 2019

- Miss Savita Gavandi did arrangement of high purity A.R grade chemicals like Nickel Chloride, Cupric Chloride, isopropyl alcohol, acetone etc. for synthesis of Nickel copper oxide thin films.
- The candidate collected high purity glass and steel substrates for deposition of Nickel Copper Oxide thin films.
- The candidate is trained for substrate cleaning in the laboratory.
- Miss Savita Gavandi is trained to collect the double distilled water using Double distillation plant in the laboratory.
- The candidate tried to deposit Nickel Copper Oxide thin films on glass and steel substrates.

SS Mahajan

Head

Department of Physics
(Jr. College)

D.S. Sutrave

Dr. D. S. Sutrave

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

DEPARTMENT OF ELECTRONICS

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ACTIVITY REPORT

1 July 2020

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The request received from Miss Savita Gavandi a research scholar working for Ph.D. under the guidance of Dr. S. S. Mahajan, from Jaysingpur College, Jaysingpur.

The Following research activities are conducted in the month of 1st January 2020 to 30th June 2020.

- Miss Savita Gavandi deposited Nickel Copper oxide thin films on quartz glass and stainless steel using high purity AR grade chemicals like Cupric Chloride and Nickel Chloride by Sol-Gel Spin Coating technique. For this Millman Spin Coater System is used.
- Miss Savita Gavandi worked in our research laboratory to set different parameter like temperature, deposition time, spin time etc.
- The candidate synthesized uniform thin films of Nickel Copper oxide on glass as well as on steel substrate.
- The samples were tested for the phase formation by X- ray diffraction pattern.

S.S. Mahajan

Head
Department of Physics
(Sr. College)

[Signature]

Prof D. S. Sutrave

Dr. D. S. Sutrave

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

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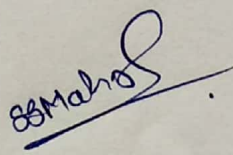
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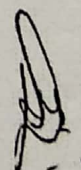
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The Following research activities are conducted in the month of 1st July 2020 to 31st December 2020.

- Miss Savita Gavandi is collected data from XRD pattern obtained.
- The candidate analyses collected data in last 1 year.
- The reference work was done.



Head
Department of Physics
(Sr. College)



Prof. D. S. Sutrave