

Criteria III

3.7.2- MoUs with institutions of national, international importance

- 01. List of activities conducted under each MoU.**
- 02. e-copies of MoUs with other institutions**
- 03. Reports of the activities**

List of the activities:

Name of the institution/ industry/ corporate house	List the actual activities under each MoU year wise
Rotary Club Raipur (East)	2014: Activity I: Photography competition on “World Photography Day, at Rajkumar College, Raipur, 17-08-2014 2014: Activity II: Photography Exhibition, 19-08-2014 2015: Activity II: Photography Exhibition, 19-08-2015 2016: Activity I: Photography competition on “World Photography Day, at Rajkumar College, Raipur, 21-08-2016
Mahakoshal Kala Parishad, Raipur	2017: Activity I: World Environment Day, Painting Exhibition, 03-06-2017 2017: Activity II: World Photography Competition, 04-06-2017 2018: Activity II: 24 th All India Photography Exhibition (Mood), 13-07-2018 2018: Activity III: 39th All India Painting Exhibition (AIDS), 01-12-2018 2019: Activity V: Painting Competition (Meri Maa), 12-05-2019 2018: Activity VIII: All India Art Exhibition on the World No - Tobacco Day, 31-05-2019
Kushabhau Thakre Patrakarita Avam Jansanchar Vishwavidyalaya, Raipur	National seminar “Library as a Medium of Communication” Sept. 2014
Lions Club International Dist-323-C	Embracing Empowerment, 19-01-2017, Workshop on Diabetes Awareness, 07-06-2017
Sickle Cell Institute, Raipur, C.G.	Activity I: Sickle Cell Screening, Programme Jamgaon Village, 17-10-2014 Activity II: Sickle Cell Screening Programme, Village Tendua, 31-08-2016 Activity IV: Lecture On Sickle Cell Awareness, 04-09-18 Activity III: Sickle Cell Screening Programme, Govt. N.P.G. college of Science, Raipur, 04-01-2019
CITCON	Activity I: Entrepreneurship awareness Camp (EAC)- Student Workshop on entrepreneurship awareness Activity II: Faculty Development Program- Training of faculty for entrepreneurship development (FDP)
(National Employment Services) District Employment and Self Employment Guidance Center Raipur, C.G (Unit of State Government)	Activity I: Vayu Sena Bharti Kavita Activity II: Enrollment of students in Employment Exchange and Career Guidance. Kavita
Kopalvani	Activity I: Demo class on Water Cycle with models for deaf & dumb students of Kopalvani, 2018-19 Activity II: Project Dissertation-P.G. Students of Physics developed a blog site for demonstration of Science through videos and sign language for deaf & dumb students of Kopalvani, Project, 2018-19
Shri Shankara College of Engineering and Technology, Bhilai	Activity I: Hands on Practice Workshop of materials modeling, 02 to 15-07-2017 Activity II: Hands on Practice Workshop of materials modeling, 16 to 28-07-2018 Activity III: 10 P.G. Experiments were developed for Lab course on materials modeling (2017-2018)
CIPET (Central Institute of Plastic Engineering and Technology)	Activity I: Educational CIPET Visit Activity II: Entrepreneurship Program Activity III: Project (2016-17) Activity IV: Project (2018-19)

Memorandum of Understanding (MoU)
For
Academic\ Social Activities

This Memorandum of Understanding (MoU) is made and entered into, on 01 July 2014 between the **Govt. Nagarjuna Post Graduate College of Science** located at Raipur, hereinafter referred to as **College** and **Rotary Club Raipur East, Raipur**, hereinafter referred to as the 'Organization'.

Whereas, **College**, an oldest science college of the region, has a rich in organizing social awareness campaign and activities.

Whereas, **Rotary Club Raipur East, Raipur**, is one of the oldest and biggest **Organization** of Chhattisgarh, working as NGO of this region so far as known for social services in the area.

The Memorandum of Understanding (MoU) defines responsibilities, liabilities and commitment of the **Organization** involved to ensure proper system implementation to meet mutual Academic\ Social activities.

NOW, THEREFORE, in consideration of the mutual agreements herein contained, **College** and the '**Organization**' agree to the following terms and conditions.

Science College and the Organization

1. Collective organization of Academic\ Social activities.
2. Collective organization of various Performing Art Program.
3. Mutual use of various resources including infrastructure.
4. Exchange of print materials related to social development.
5. Academic exchange for planning of development and motivational projects.
6. Collective organization of seminars, workshop & other academic program related to generate social awareness amongst the students.
7. Mutual use of e-resources to upgrade the knowledge.
8. Sharing of technical expertise available.
9. Organization of activities needed for strengthening of college and organization.
10. Sharing of facilities available for differently abled persons.

I. Termination

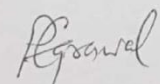
Both, the parties, will have rights to terminate the MoU at any time in case of breach of obligations and terms and conditions of the MoU. This MoU signed hereunder may be terminated by either party at anytime upon ninety (90) days prior written notice.

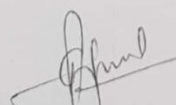
IN WITNESS WHEREOFF, the parties hereto executed this MoU on this date above mentioned.


Organization

(Rtn. Anur Agrawal)
President or designated authority
(Name, Signature and seal)

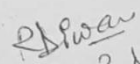
President,
Rotary Club of Raipur East
Raipur. (C.G.)

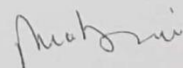

(Prem Chand Agrawal)


(Rtn. Neeraj Agrawal)



(Dr.K.N.Bapat)
Principal
Govt.Nagarjuna Post Graduate College of Science
Raipur (C.G.)
(Name, Signature and seal)


Dr. R. Diwan.


Dr. R. Maheshwari

Memorandum of Understanding (MoU)

For

Academic\ Social Activities

This Memorandum of Understanding (MoU) is made and entered into, on 01 July 2014 between the **Govt. Nagarjuna Post Graduate College of Science** located at Raipur, hereinafter referred to as **College** and **Mahakoshal Kala Parishad**, Raipur, hereinafter referred to as the 'Organization'.

Whereas, **College**, an oldest **science college** of the region, has a rich in organizing social awareness campaign and activities.

Whereas, and **Mahakoshal Kala Parishad**, Raipur, is one of the oldest and biggest **Organization** of Chhattisgarh, working as NGO of this region so far as known for social services in the area.

The Memorandum of Understanding (MoU) defines responsibilities, liabilities and commitment of the **Organization** involved to ensure proper system implementation to meet mutual Academic\ Social activities.

NOW, THEREFORE, in consideration of the mutual agreements herein contained, **College** and the ' **Organization** 'agree to the following terms and conditions.

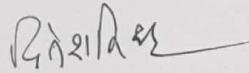
Science College and the Organization

1. Collective organization of Academic\ Social activities.
2. Collective organization of various Program related Art and culture.
3. Mutual use of various resources including infrastructure.
4. Exchange of print materials related to development of Art and Culture.
5. Exchange of expertises for planning of development and motivational projects.
6. Collective organization of seminars, workshop & other program related to generate awareness amongst the students related to Performing art and Culture.
7. Mutual use of e-resources to upgrade the knowledge related to Art and Culture.
8. Sharing of technical expertise available.
9. Organization of activities needed for strengthening of college and organization.
10. Sharing of facilities to motivate differently abled persons in the field of Art and Culture.

I. Termination

Both, the parties, will have rights to terminate the MoU at any time in case of breach of obligations and terms and conditions of the MoU. This MoU signed hereunder may be terminated by either party at anytime upon ninety (90) days prior written notice.

IN WITNESS WHEREOFF, the parties hereto executed this MoU on this date above mentioned.



Organization

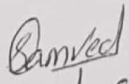
(Dr. Dinesh Mishra)

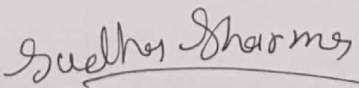
President or designated authority
(Name, Signature and seal)

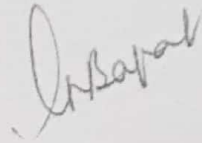
अध्यक्ष,
महाकोशल कला वीथिका,
रायपुर. (छ.ग.)

Witness

(01)


Samved Sharma


(02) (Smt. Sudha Sharma)



(Dr.K.N.Bapat)

Principal

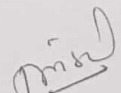
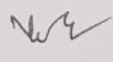
Govt.Nagarjuna Post Graduate College of Science

Raipur (C.G.)

(Name, Signature and seal)

Principal.

Govt. College of Science,
RAIPUR-492010

1 - श्री. प्रीति मिश्रा 
2 - Dr. V.K. Kanungo 

Memorandum of Understanding (MoU) on Library Cooperation: Resources & Services

This Memorandum of Understanding (MoU) is made and entered into on 28 July 2014 between the **Govt. Nagarjuna Post Graduate College of Science** located at Raipur, hereinafter referred to as **College** and **Kushabhau Thakre Patrakarita Avam Jansanchar Vishwavidalaya, Raipur**, here in after referred to as the '**Vishwavidalaya**'.

Whereas, **College**, an oldest science college of the region, has a rich library.

Whereas, **Vishwavidalaya**, one of the biggest **University** of Chhattisgarh, has the biggest library of this region so far as collection users & services are concerned.

The Memorandum of Understanding (MoU) defines responsibilities, liabilities and commitment of the institutions involved to ensure proper system implementation to meet mutual library cooperation.

NOW, THEREFORE, in consideration of the mutual agreements herein contained, **Govt. Nagarjuna Post Graduate College of Science**, Raipur, and the **Kushabhau Thakre Patrakarita Avam Jansanchar Vishwavidalaya, Raipur**, agree to the following terms and conditions.

I. Science College

1. Collective organization of seminars, workshop & other academic program Exchange of print materials.
2. Mutual use of e-resources.
3. Mutual use of various library related software.
4. Exchange of print materials.
5. Mutual use of infrastructure and other facilities.
6. Academic exchange for planning of development projects.

II. The University

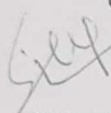
1. Extend all facilities extended to differently abled persons.
2. Technical expertise
3. Resources e- or print will be shared to the bonafied students of Science College.
4. Jointly organize seminars/ workshops/ lecture series & training for professional developments of library staff.


5. Any other activity as and when needed for strengthening our library.

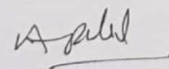
III. Termination

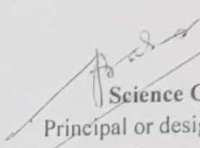
Both, the parties, will have rights to terminate the MoU at any time in case of breach of obligations and terms and conditions of the MoU. This MoU signed hereunder may be terminated by either party at anytime upon ninety (90) days prior written notice.

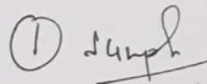
IN WITNESS WHEREOFF, the parties hereto executed this MoU on this date above mentioned.

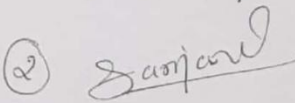

University:
Registrar or designated authority
(Name, Signature and seal)
Registrar,
Kushabhau Thakre Patrakarita Avam
Jansanchar Vishwavidalaya,
Raipur. (C.G.)

① 
Dr. Neeti Tamsrekar.

② 
Dr. Sushil Bhatnagar


Science College:
Principal or designated authority
(Name, Signature and seal)
Principal,
Govt. College of Science,
RAIPUR-492010

① 
Dr. Seema Gupta.

② 
Dr. Sanjana Bhagat

Memorandum of Understanding (MoU) on

Academic\ Social\Performing Art Program\ Library Cooperation:- Resources & Services

This Memorandum of Understanding (MoU) is made and entered into on 28 July 2014 between the **Govt. Nagarjuna Post Graduate College of Science** located at Raipur, hereinafter referred to as **College** and **Lions Club International Dist-323-C**, Raipur, here in after referred to as the '**Organization**'.

Whereas, **College**, an oldest science college of the region, has a rich library.

Whereas, **Lions Club International Dist-323-C**, Raipur, one of the oldest and biggest **Organization** of Chhattisgarh, has the biggest library of this region so far as collection users & services are concerned.

The Memorandum of Understanding (MoU) defines responsibilities, liabilities and commitment of the institutions involved to ensure proper system implementation to meet mutual Academic\ Social\Performing Art Program\ cooperation.

NOW, THEREFORE, in consideration of the mutual agreements herein contained, **College** and the '**Organization**' agree to the following terms and conditions.

I. Science College

1. Collective organization of Academic\ Social \ Performing Art Program.
2. Collective organization of Performing Art (World Photography Day) Program.
3. Mutual use of various library and Performing Art related software.
4. Exchange of print materials.
5. Mutual use of infrastructure and other facilities.
6. Academic exchange for planning of development projects.
7. Collective organization of seminars, workshop & other academic program Exchange of print materials.
8. Mutual use of e-resources.

II. The Organization

1. Collective organization of Performing Art (Painting Compaction) Program
2. Technical expertise
3. Resources e- or print will be shared to the bonafied students of Science College.
4. Jointly organize seminars/ workshops/ lecture series & training for professional developments of College staff.
5. Any other activity as and when needed for strengthening our library.
6. Extend all facilities extended to differently abled persons.

III. Termination

Both, the parties, will have rights to terminate the MoU at any time in case of breach of obligations and terms and conditions of the MoU. This MoU signed hereunder may be terminated by either party at anytime upon ninety (90) days prior written notice.

IN WITNESS WHEREOFF, the parties hereto executed this MoU on this date above mentioned.

Organization:

Deistic Governor or designated authority
(Name, Signature and seal)

Lion Amarjeet Singh Dutta
District Governor
Lis Clubs International
Dist : 323-C

01. 25/11/21/11

02. P.K. Sharma

P.K.

Science College:

Principle or designated authority
(Name, Signature and seal)

Dr. Seema Gupta

Dr. V.K. Kanungo

Botany

Memorandum of Understanding (MoU)

Between



Government Nagarjuna Post Graduate College
of Science (Autonomous), Raipur (C.G)

and



Sickle Cell Institute Chhattisgarh, Raipur (C.G)

MEMORANDUM OF UNDERSTANDING

M.1.1 This MEMORANDUM OF UNDERSTANDING (MoU) is made and entered into force this 28th day of November Two thousand and fourteen between Government Nagarjuna Post Graduate College of Science (Autonomous), Raipur, Chhattisgarh which was represented by its Principal herein after referred to as 'NPGCS' which expression shall, where the context so admits, mean and include its successors, representatives and permitted assigns of the other Part.

And

M.1.2 Sickle Cell Institute Chhattisgarh, Raipur, represented by its Director General herein after referred to as 'SCIC' which expression shall where the context so admits, mean and include its successors, representatives and permitted assigns of the First part.

M.2 Preamble:

M.2.1 Whereas the NPGCS is one of the oldest reputed Science colleges of India. It was established 1948 and attained the status of Model Science College in 1984 and became Autonomous in 1987. NPGCS has been offering several B.Sc. and M.Sc. courses. The NPGCS strives to provide a balanced holistic education to students. NPGCS has a well established Central Instrumentation Laboratory and a well equipped automated Library to facilitate study and research.

M.2.2 Whereas the SCIC, an autonomous institute of Government of Chhattisgarh, being a dedicated Centre for treatment, research and counseling and training for sickle cell disease, has well qualified and dedicated faculty members and Scientists. SCIC has its state of the art infrastructure and instrumentation facilities such as fully equipped laboratories, hospital facilities for health care research, R & D activities and public health services for the local population.

M.2.3 Whereas both NPGCS and SCIC are convinced about the mutual benefit of forging formal linkage to develop new collaborative research programs in the areas of herbal medicine and exploring possibilities of using other medicinal plants. Now, therefore, in consideration of the premises and mutual covenants hereinafter contained, the parties hereto agree as follows:

M.3 Scope of Work and Responsibilities:

M.3.1 The NPGCS and SCIC after considering their objectives and strengths have agreed to have an understanding for collaboration in the following areas of interest:

- Joint Research & Development, projects in the areas of herbal plants, traditional medicine and allied Sciences research to be funded by external funding agencies;
- Validation of plant-based formulations that are used in traditional and folk medicine will be carried out at both NPGCS and SCIC;
- Organizing and participating in Joint Symposia/Conferences/Workshops/Short-term Refresher courses conducted by both the organizations;
- Short term and long term developmental programs on topics of mutual interest.

- Medical and technical consultancy activities of mutual interest. Exchange of faculty for Guest lectures, and
- Extending technical support and knowledge sharing facilities mutually for faculty in both the institutions.

M.3.2 A four member Steering Committee shall be constituted with two members each nominated by NPGCS and SCIC to identify and co-ordinate the specific areas/activities under this MoU and finalize the terms and conditions thereof.

M.4 Confidentiality and IPR-Protection

M.4.1 Both parties hereunder agree that any information disclosed by one party to the other shall be maintained as proprietary confidential information and will be disclosed only to the authorities as required in the relevant statutory regulations and to those persons in the recipient party's organization that has a need to know for purposes authorized by the relevant agreement. All such proprietary confidential information will be kept in confidence and the party receiving the confidential information agrees to prevent the disclosure to any other person or persons outside the organization or any unauthorized person or persons except to the organization authorized by either of the parties hereunder on need to know the basis for the execution of the work.

The obligations that are created under this MoU on either party as well as through subsequent relevant agreements on either party shall be duly discharged during the term of the MoU and agreement and after their expiry/termination.

M.4 Both parties shall not file any application for seeking intellectual property rights (IPR) in its own name or in the name of its associates or any other person(s) on any matter relating to the information disclosed to each other under this MoU. However, they can seek intellectual property rights on joint names of the parties as mutually agreed on case to case basis.

M.4.3 Intellectual property generated during the activities under the MoU shall be shared jointly. The extent of ownership shall be decided mutually depending upon the relative intellectual inputs made by the parties. The expenditure incurred and to be incurred for the maintenance of IPR shall be borne by each party equally or in proportion to the extent of ownership as may be decided by the Steering Committee.

M.5 Publications

M.5.1 Publications, if any, in respect of the activity under this MoU shall be in the names of involved personnel from both the parties. In all publications (papers, reports, etc.) it will be duly acknowledged that the work has been carried out by NPGCS and SCIC under this MoU between the parties.

M.6 Duration

This Memorandum of Understanding shall be valid for a period of five years from the date of signing of the same, and thereafter can be renewed for further period subject to such other terms and conditions as may be mutually agreed upon.

M.7 Termination

Notwithstanding clause 8, this MoU may be terminated by either party by giving three months notice in writing to the other party. Either of the parties shall honor within a mutually agreed period, the outstanding commitments, if any, as on the date of termination.

M.8 Notices

M.8.1 All notices and other communications required to be served on NPGCS under the terms and this MoU, shall be considered to be duly served, if the same is delivered at or posted by registered mail to the NPGCS at its office in Government Nagarjuna Post Graduate (Autonomous) College of Science, Raipur (C.G), G.E. Road, Near National Institute of Technology, Raipur, Chhattisgarh, India - 492010. Similarly, any notice to be given to the SCIC shall be considered as duly served, if the same is delivered at or posted by registered mail to Sickle Cell Institute Chhattisgarh, Raipur at its office at the Genetic Lab, Department of Biochemistry, Pt. J.N.M. Medical College, Raipur (Chhattisgarh) India 492001.

M.9 Arbitration

9.1 In the event of any dispute or difference between the parties hereto, such disputes or differences shall be resolved amicably by mutual consultation. Where it could not be resolved so, then it shall be referred to arbitration of two Arbitrators, one to be appointed by each party to the dispute and in case of difference of opinion between the said two Arbitrators, then to an umpire appointed by the said two Arbitrators. The decision of the said Arbitrators or Umpire as the case may be shall be final and binding on both parties. The venue of arbitration shall be at such place as may be fixed by the arbitrators or umpire and the arbitration proceeding shall be as provided under the Arbitration and Conciliation Act, 1996.

M.10 Jurisdiction

All legal disputes shall be subjected to the jurisdiction of the courts in Raipur, State of Chhattisgarh only.

M.11 Modification

No modification to this MoU shall be binding unless made in writing and signed by both parties.

M.12 Force Majeure

Any of the parties hereto shall not be released from its obligations for any reason except for force majeure such as war, strike, fire, acts of God or other causes beyond control of the parties.

IN WITNESS WHEREOF, the parties hereto have signed this Memorandum of Understanding on 28th day of November two thousand and fourteen.

For and on behalf of
Government Nagarjuna Post Graduate
College of Science (Autonomous),
Raipur, Chhattisgarh

For and on behalf of
Sickle Cell Institute Chhattisgarh,
Raipur, Chhattisgarh

Signature:

(Dr. S.N.K. Bhasa D)

Name:

Designation: Principal
Govt. Nagarjuna P. G. College of Science
RAIPUR (C. G.)
DDO-1130002

Seal:

Signature:

Name: (Dr. P. R. Patil)

Designation: Director General
Sickle Cell Institute Chhattisgarh
Raipur (C.G.)

Seal:

Witnesses (Name & Address):

1. R. Pimpale
28.11.14

Dr. (Mrs.) R. Pimpale

DEPARTMENT OF BIOCHEMISTRY
GOVT. NPG COLLEGE OF SCIENCE
RAIPUR (C.G.)

2. V.K. Bhasa
28.11.2014

Dr. V.K. BHASKAR

Asst. Professor

Govt. NPG College of Science

RAIPUR (C.G.)

Assistant Professor
Department of Botany
Govt. NPG College of Science
RAIPUR (C.G.)

Witnesses (Name & Address):

1. P. K. Khodir
28.11.14

Dr. P. K. Khodir
Director Medical
SCIC, Raipur.

2. V.K. Bhasa

(L.V.K.S. BHASKAR)
Senior Scientist
SCIC, Raipur.

Memorandum of Understanding (MoU)

Between



Govt. Nagarjuna Post Graduate College of Science
Raipur (C.G.)

And



Chhattisgarh Industrial and Technical Consultancy
Centre [CITCON]

MEMORANDUM OF UNDERSTANDING

M 1.1 This MEMORANDUM UNDERSTANDING (MoU) is made and entered into force this 30th day of March Two Thousand and Nineteen between Government Nagarjuna Post Graduate College of Science (Autonomous), Raipur, Chhattisgarh which was represented by its Principal herein after referred to as "NPGCS" which expression shall, where the context so admit, mean and include its successors, representatives and permitted assigns of the other Part.

And

M 1.2 Chhattisgarh Industrial and Technical Consultancy Centre [CITCON], Represented by its State Head Chhattisgarh herein after referred to as "CITCON" which expression shall where the context so admits, mean and include its successors, Representatives and permitted assigns of the First part.

M 2 Preamble –

M 2.1 Chhattisgarh Industrial and Technical Consultancy Centre [CITCON], is a State Level Division of the **MPCON Ltd.**, which is a professionally managed Technical Consultancy Organization (**TCO**) owned by **IFCI Ltd.** New Delhi (erstwhile Industrial Finance Corporation of India) and jointly sponsored by SIDBI, SBI, Nationalized Banks and State Level Corporations. The company came into existence in the year 1979 in the state of Madhya Pradesh with an objective of promoting Entrepreneurship and to provide need based Consultancy Services in the different fields like preparation of Detailed Project Report (**DPR**), Techno-Economic Viability (**TEV**) Study Reports, Techno-Economic Feasibility Report (**TEFR**), Consultancy on Information Technology, Environment and Energy Projects, Rehabilitation Studies for Sick Units, Consultancy on Agro-based Industries, Food Processing Industries, conduction of Market Survey and conducting other Special Studies for Central and various State Governments, Detailed Engineering Consultancy Services for Infrastructure Development Projects and providing **Lenders' Independent Engineer's** Services to the **Banks & Financial Institutions etc.** as and when required by them.

Some of the new fields CITCON/MPCON has ventured into include Financial Inclusion, Solid & Liquid Waste Management and Optimum Utilization of the Renewable Energy Resources.

M 2.2 Whereas the NPGCS is one of the oldest request Science College of India. It was established 1948 and attained the status of Model Science College in 1948 M.Sc. courses. The NPGCS strives to provide a balanced holistic education to students.

NPGCS has a well equipped automated Library to facilitate study and research. Around for 2500 students are admitted every year for 16 PG and 14 UG courses. Apart from this 7 research centers are functional producing research papers based on latest scientific research.

M 2.3 Whereas both NPGCS and CITCON are about the mutual benefit of forging formal linking to develop new collaborative programs in the field of entrepreneurship and skill development. Now therefore, in consideration of the premises and mutual covenants hereinafter contained, the parties hereto agree as follows.

M 3 Scope of Work and Responsibility -

M 3.1 The NPGCS and CITCON after considering their objectives and strength have agreed to have an understanding for collaboration in the following areas of inserted -

- 01- To organize awareness for startup culture
- 02- To Facilitate students for industrial training & internship
- 03- To organize skill development programs

M 3.2 A four member Steering Committee shall be constituted with two member each nominated by NPGCS and CITCON to identify and co-ordinate the specific areas/activities under this MoU and finalize the terms and condition thereof.

M 4 Confidentiality and IPR-Protection

M 4.1 Both parties hereunder agree that any information disclosed by one party to the other shall be maintained as proprietary confidential information and will be disclosed only to the authorized in the relevant statutory regulations and to those persons in the recipient party's organization that has a need to know for purposes authorized by the relevant agreement. All such proprietary confidential information will be kept in confidence and party receiving the confidential information agrees to prevent the disclosure to any other person or persons outside the organization or any unauthorized person or persons except know the basis for the execution of the work.

The obligations that are created under this MoU on either party as well as through subsequent relevant agreements on either party shall be duly discharged during the term of the MoU and agreement and after their expiry/termination.

M 4.2 Both parties shall not file any application for seeking intellectual property rights (IPR) in its own name or in the name of its associates or any other person(s) However, they can seek intellectual property rights on joint names of the parties as mutually agreed on case to case basis.

M 4.3 Intellectual property generated during the activities under the MoU shall be shared jointly. The extent of ownership shall be decided mutually depending upon the relative intellectual inputs made by the parties. The expenditure incurred and to be

incurred for the maintenance of IPR shall be borne by each party equally or in proportion to the extent of ownership as may be decided by the Steering Committee.

M 5 Duration

This Memorandum of Understanding shall be valid for a period of five year from the date of signing of the same, and thereafter can be renewed for further period subject to such other terms and condition as may be mutually agreed upon.

M 6 Termination

Notwithstanding clauses 8, this MoU may be terminated by either party by giving three months notice in writing to the other party. Either of the parties shall honor within a mutually agreed, the outstanding commitments, if any, as on the date of termination.

M 7 Notice

M 7.1 All notice and other communications required to be served on NPGCS under the terms and this MoU, shall be considered to be duly served, if the same is delivered at or posted by registered mail to the NPGCS at its office in Government Nagarjuna Post Graduate (Autonomous) College of Science Raipur (C.G.), G.E. Road Near National Institute of Technology, Raipur Chhattisgarh 492010. Similarly, any notice to be given to the CITCON shall be considered as duly severed, if the same is delivered at or posted by registered mail to CITCON Raipur at its office at Choubey Colony Raipur (C.G.) India 492001

M 8 Arbitration

M 8.1 In the event of any dispute or difference the parties hereto, such disputes or difference shall be resolved amicably by mutual consultation. Where it could not be resolved so, then it shall be referred to arbitration of two Arbitration, one to be appointed by each party to the dispute and in case of difference of opinion between the said two Arbitration, then to an umpire appointed by the said two Arbitrations. The decision of the said Arbitration or Umpire as the case may be shall be final and binding on both parties. The venue of arbitration shall be at such place as may be fixed by the arbitration or umpire and the arbitration proceeding shall be as provide under the Arbitration and Conciliation Act, 1996.

M 9 Jurisdiction

All legal disputes shall be subjected to the jurisdiction of the court in Raipur, State of Chhattisgarh only.

M 10 Modification

No modification to this shall be binding unless made in writing and signed by both parties.

M 11 Force Majeure

Any of the parties hereto shall not be released from its obligation for any reason except for force majeure such as war, strike, fire, acts of God or other causes beyond control of the parties.

IN WITNESS WHEREOF, the parties hereto have signed this Memorandum of Understanding on 30th day of March Two Thousand and Nineteen

For and on behalf of
Government Nagarjuna Post Graduate
College of Science (Autonomous),
Raipur, Chhattisgarh

Signature :

Name : Dr. D.N. Varma

Designation : Principal, NPGCS

Seal :

PRINCIPAL
Govt. Nagarjuna P.G. College of Science
RAIPUR (C. G.)

Witness (Name & Address)

1 - Dr. Anjali Oudhia,

IQAC In charge, NPGCS

2 - Dr. Sangeeta Bajpai

Member IQAC, NPGCS

For and on behalf of
CITCON, Raipur (C.G.)

Signature :

Name : Er. P.K. Nimonkar

Designation : State Head CITCON, Raipur (C.G.)

Seal :

Er. P. K. NIMONKAR
STATE HEAD, CITCON
DUBEY HOUSE, FIRST FLOOR,
HOUSE No. 3, SAHAKARI MARG : 3
NEAR CHINTA HARAN HANUMAN MANDIR
1 - CHOUBEY COLONY, RAIPUR (C.G.)-492 001

Witness (Name & Address)

1 -

2

Shailendra Kumar Sahu
Citcon Raipur

Abu Tiwari
Citcon Raipur

Memorandum of Understanding (MoU)

Between



Govt. Nagarjuna Post Graduate College of Science
Raipur (C.G.)

And



(National Employment Service)
District Employment & Self Employment
Guidance Centre, Raipur, Chhattisgarh
(Unit of State Government)

MEMORANDUM OF UNDERSTANDING

M 1.1 This MEMORANDUM UNDERSTANDING (MoU) is made and entered into force this 30th day of March Two Thousand and Nineteen between Government Nagarjuna Post Graduate College of Science (Autonomous), Raipur, Chhattisgarh which was represented by its Principal herein after referred to as "NPGCS" which expression shall, where the context so admit, mean and include its successors, representatives and permitted assigns of the other Part.

And

M 1.2 District Employment & Self Employment Guidance Centre, Raipur, Chhattisgarh Represented by its Deputy director, DE & SEGC Raipur herein after referred to as "DE & SEGC" which expression shall where the context so admits, mean and include its successors, Representatives and permitted assigns of the First part.

M 2 Preamble -

M 2.1 District Employment & Self Employment Guidance Centre, Raipur, Chhattisgarh "DE & SEGC" is a state government agency working for Employment Registration, career & vocational guidance and Placement of youth of Chhattisgarh. It organizes guidance for preparation of competitive exams in all field. It organizes placement campus and Rozgar Mela continuously on weekly basis or even based to ensure availability of employment in public and private sectors.

M 2.2 Whereas the NPGCS is one of the oldest request Science College of India. It was established 1948 and attained the status of Model Science College in 1948 M.Sc. courses. The NPGCS strives to provide a balanced holistic education to students. NPGCS has a well equipped automated Library to facilitate study and research. Around 2500 students are admitted every year for 16 PG and 14 UG courses. Apart from this 7 research centers are functional producing research papers based on latest scientific research.

M 2.3 Whereas both NPGCS and "DE & SEGC" are about the mutual benefit of forging formal linking to develop new collaborative programs in the field of employment, self employment and skill training. Now therefore, in consideration of the premises and mutual covenants hereinafter contained, the parties hereto agree as follows.

AT

M 3 Scope of Work and Responsibility -

M 3.1 The NPGCS and NESC after considering their objectives and strength have agreed to have an understanding for collaboration in the following areas of inserted -

- 01- To Enroll students online in Employment Exchange
- 02- To organize training programs for various vocational courses
- 03- To create opportunities for placement
- 04- To make a career counseling as per need of students.

M 3.2 A four member Steering Committee shall be constituted with two member each nominated by NPGCS and "DE & SEGC" to identify and co-ordinate the specific areas/activities under this MoU and finalize the terms and condition thereof.

M 4 Confidentiality and IPR-Protection

M 4.1 Both parties hereunder agree that any information disclosed by one party to the other shall be maintained as proprietary confidential information and will be disclosed only to the authorized in the relevant statutory regulations and to those persons in the recipient party's organization that has a need to know for purposes authorized by the relevant agreement. All such proprietary confidential information will be kept in confidence and party receiving the confidential information agrees to prevent the disclosure to any other person or persons outside the organization or any unauthorized person or persons except know the basis for the execution of the work.

The obligations that are created under this MoU on either party as well as through subsequent relevant agreements on either party shall be duly discharged during the term of the MoU and agreement and after their expiry/termination.

M 4.2 Both parties shall not file any application for seeking intellectual property rights (IPR) in its own name or in the name of its associates or any other person(s) on However, they can seek intellectual property rights on joint names of the parties as mutually agreed on case to case basis.

M 4.3 Intellectual property generated during the activities under the MoU shall be shared jointly. The extent of ownership shall be decided mutually depending upon the relative intellectual inputs made by the parties. The expenditure incurred and to be incurred for the maintenance of IPR shall be borne by each party equally or in proportion to the extent of ownership as may be decided by the Steering Committee.

AT

M 5 Duration

This Memorandum of Understanding shall be valid for a period of five year from the date of signing of the same, and thereafter can be renewed for further period subject to such other terms and condition as may be mutually agreed upon.

M 6 Termination

Notwithstanding clauses 8, this MoU may be terminated by either party by giving three months notice in writing to the other party. Either of the parties shall honor within a mutually agreed, the outstanding commitments, if any, as on the date of termination.

M 7 Notice

M 7.1 All notice and other communications required to be served on NPGCS under the terms and this MoU, shall be considered to be duly served, if the same is delivered at or posted by registered mail to the NPGCS at its office in Government Nagarjuna Post Graduate (Autonomous) College of Science Raipur (C.G.), G.E. Road Near National Institute of Technology, Raipur Chhattisgarh 492010. Similarly, any notice to be given to the "DE & SEGC" shall be considered as duly served, if the same is delivered at or posted by registered mail to "DE & SEGC" Raipur at its office at old PHQ Campus, Near Raj Bhawan Raipur (C.G.) India 492001

M 8 Arbitration

M 8.1 In the event of any dispute or difference the parties hereto, such disputes or difference shall be resolved amicably by mutual consultation. Where it could not be resolved so, then it shall be referred to arbitration of two Arbitration, one to be appointed by each party to the dispute and in case of difference of opinion between the said two Arbitration, then to an umpire appointed by the said two Arbitrations. The decision of the said Arbitration or Umpire as the case may be shall be final and binding on both parties. The venue of arbitration shall be at such place as may be fixed by the arbitration or umpire and the arbitration proceeding shall be as provide under the Arbitration and Conciliation Act, 1996.

AT

M 9 Jurisdiction

All legal disputes shall be subjected to the jurisdiction of the court in Raipur, State of Chhattisgarh only.

M 10 Modification

No modification to this shall be binding unless made in writing and signed by both parties.

M 11 Force Majeure

Any of the parties hereto shall not be released from its obligation for any reason except for force majeure such as war, strike, fire, acts of God or other causes beyond control of the parties.

IN WITNESS WHEREOF, the parties hereto have signed this Memorandum of Understanding on 30th day of March Two Thousand and Nineteen

For and on behalf of
Government Nagarjuna Post Graduate
College of Science (Autonomous),
Raipur, Chhattisgarh

Signature :

Name : Dr. D.N. Varna
Designation : Principal, NPGCS

Seal :

Witness (Name & Address)

1 – Dr. Anjali Oudhia,
IQAC In charge, NPGCS

2 – Dr. Sangeeta Bajpai
Member IQAC, NPGCS

For and on behalf of
“DE & SEGC”, Raipur (C.G.)

Signature :

Name : Shri A.O. Lari

Designation : Deputy Director “DE & SEGC”,
Raipur (C.G.)

Seal :

Witness (Name & Address)

1 – Miss. Manorma Bhagat,
Employment Officer, “DE & SEGC”
Raipur (C.G.)

2 – Shri M.L. Ahirwar,
JEO, “DE & SEGC”,
Raipur (C.G.)

Memorandum of Understanding (MoU)

Between



Govt. Nagarjuna Post Graduate College of Science
Raipur (C.G.)

And



Kopalvani shravan badhit vidyalay sundar nagar
Raipur (C.G)

MEMORANDUM OF UNDERSTANDING

M 1.1 This MEMORANDUM UNDERSTANDING (MoU) is made and entered into force this 22nd day of April Two Thousand and Nineteen between Government Nagarjuna Post Graduate College of Science (Autonomous), Raipur, Chhattisgarh which was represented by its Principal herein after referred to as "NPGCS" which expression shall, where the context so admit, mean and include its successors, representatives and permitted assigns of the other Part.

And

M 1.2 Kopalvani Shri Vanam Badhit Vidyalay, Raipur, Chhattisgarh Represented by its principal, Kopalvani Shri Vanam Badhit Vidyalay, Raipur herein after referred to as "KOPALVANI"

M 2 Preamble -

M 2.1 Kopalvani Shri Vanam Badhit Vidyalay, Raipur, Chhattisgarh "KOPALVANI" is child welfare organization for special children.

M 2.2 Whereas the NPGCS is one of the oldest request Science College of India. It was established 1948 and attained the status of Model Science College in 1948 M.Sc. courses. The NPGCS strives to provide a balanced holistic education to students. NPGCS has a well equipped automated Library to facilitate study and research. Around for 2500 students are admitted every year for 16 PG and 14 UG courses. Apart from this 7 research centers are functional producing research papers based on latest scientific research.

M 2.3 Whereas both NPGCS and "KOPALVANI" are about the mutual benefit of forging formal linking to develop new collaborative programs in the field of projects.

M 3 Scope of Work and Responsibility -

M 3.1 The NPGCS and KOPALVANI after considering their objectives and strength have agreed to have an understanding for collaboration in the following areas of inserted -

- 01- To provide scope for project work.
- 02- To provide benefits for special children

M 4 Confidentiality and IPR-Protection

M 4.1 Both parties hereunder agree that any information disclosed by one party to the other shall be maintained as proprietary confidential information and will be disclosed only to the authorized in the relevant statutory regulations and to those persons in the recipient party's organization that has a need to know for purposes authorized by the relevant agreement. All such proprietary confidential information will be kept in confidence and party receiving the confidential information agrees to prevent the disclosure to any other person or persons outside the organization or any unauthorized person or persons except know the basis for the execution of the work.

The obligations that are created under this MoU on either party as well as through subsequent relevant agreements on either party shall be duly discharged during the term of the MoU and agreement and after their expiry/termination.

M 4.2 Both parties shall not file any application for seeking intellectual property rights (IPR) in its own name or in the name of its associates or any other person(s) on However, they can seek intellectual property rights on joint names of the parties as mutually agreed on case to case basis.

M 4.3 Intellectual property generated during the activities under the MoU shall be shared jointly. The extent of ownership shall be decided mutually depending upon the relative intellectual inputs made by the parties. The expenditure incurred and to be incurred for the maintenance of IPR shall be borne by each party equally or in proportion to the extent of ownership as may be decided by the Steering Committee.

M 5 Duration

This Memorandum of Understanding shall be valid for a period of five year from the date of signing of the same, and thereafter can be renewed for further period subject to such other terms and condition as may be mutually agreed upon.

M 6 Termination

Not withstanding clauses 8, this MoU may be terminated by either party by giving three months notice in writing to the other party. Either of the parties shall honor within a mutually agreed, the outstanding commitments, if any, as on the date of termination.

M 3 Scope of Work and Responsibility -

M 3.1 The NPGCS and NESC after considering their objectives and strength have agreed to have an understanding for collaboration in the following areas of inserted -

- 01- To Enroll students online in Employment Exchange
- 02- To organize training programs for various vocational courses
- 03- To create opportunities for placement
- 04- To make a career counseling as per need of students.

M 3.2 A four member Steering Committee shall be constituted with two member each nominated by NPGCS and "DE & SEG" to identify and co-ordinate the specific areas/activities under this MoU and finalize the terms and condition thereof.

M 4 Confidentiality and IPR-Protection

M 4.1 Both parties hereunder agree that any information disclosed by one party to the other shall be maintained as proprietary confidential information and will be disclosed only to the authorized in the relevant statutory regulations and to those persons in the recipient party's organization that has a need to know for purposes authorized by the relevant agreement. All such proprietary confidential information will be kept in confidence and party receiving the confidential information agrees to prevent the disclosure to any other person or persons outside the organization or any unauthorized person or persons except know the basis for the execution of the work.

The obligations that are created under this MoU on either party as well as through subsequent relevant agreements on either party shall be duly discharged during the term of the MoU and agreement and after their expiry/termination.

M 4.2 Both parties shall not file any application for seeking intellectual property rights (IPR) in its own name or in the name of its associates or any other person(s) on However, they can seek intellectual property rights on joint names of the parties as mutually agreed on case to case basis.

M 4.3 Intellectual property generated during the activities under the MoU shall be shared jointly. The extent of ownership shall be decided mutually depending upon the relative intellectual inputs made by the parties. The expenditure incurred and to be incurred for the maintenance of IPR shall be borne by each party equally or in proportion to the extent of ownership as may be decided by the Steering Committee.

AT

M 5 Duration

This Memorandum of Understanding shall be valid for a period of five year from the date of signing of the same, and thereafter can be renewed for further period subject to such other terms and condition as may be mutually agreed upon.

M 6 Termination

Notwithstanding clauses 8, this MoU may be terminated by either party by giving three months notice in writing to the other party. Either of the parties shall honor within a mutually agreed, the outstanding commitments, if any, as on the date of termination.

M 7 Notice

M 7.1 All notice and other communications required to be served on NPGCS under the terms and this MoU, shall be considered to be duly served, if the same is delivered at or posted by registered mail to the NPGCS at its office in Government Nagarjuna Post Graduate (Autonomous) College of Science Raipur (C.G.), G.E. Road Near National Institute of Technology, Raipur Chhattisgarh 492010. Similarly, any notice to be given to the "DE & SEGC" shall be considered as duly served, if the same is delivered at or posted by registered mail to "DE & SEGC" Raipur at its office at old PHQ Campus, Near Raj Bhawan Raipur (C.G.) India 492001

M 8 Arbitration

M 8.1 In the event of any dispute or difference the parties hereto, such disputes or difference shall be resolved amicably by mutual consultation. Where it could not be resolved so, then it shall be referred to arbitration of two Arbitration, one to be appointed by each party to the dispute and in case of difference of opinion between the said two Arbitration, then to an umpire appointed by the said two Arbitrations. The decision of the said Arbitration or Umpire as the case may be shall be final and binding on both parties. The venue of arbitration shall be at such place as may be fixed by the arbitration or umpire and the arbitration proceeding shall be as provide under the Arbitration and Conciliation Act, 1996.

M 9 Jurisdiction

All legal disputes shall be subjected to the jurisdiction of the court in Raipur, State of Chhattisgarh only.

M 10 Modification



No modification to this shall be binding unless made in writing and signed by both parties.

M 11 Force Majeure

Any of the parties hereto shall not be released from its obligation for any reason except for force majeure such as war, strike, fire, acts of God or other causes beyond control of the parties.

IN WITNESS WHEREOF, the parties hereto have signed this Memorandum of Understanding on 30th day of March Two Thousand and Nineteen

For and on behalf of
Government Nagarjuna Post Graduate
College of Science (Autonomous),
Raipur, Chhattisgarh

Signature: 
Name: Dr. D.N. Vengal, College of Science
Govt. Nagarjuna Post Graduate College of Science, U.S.
Designation: Principal, NPGCS
Seal: 

Witness (Name & Address)

1 - Dr. Anjali Oudhia,
IQAC in charge, NPGCS

2 - Dr. Sangeeta Bajpai
Member IQAC, NPGCS

For and on behalf of
"DE & SEGC", Raipur (C.G.)

Signature: 
Name: Shri A.O. Lari
Designation: Deputy Director "DE & SEGC",
Raipur (C.G.)
Seal: 

Witness (Name & Address)

1 - Miss. Manorma Bhagat,
Employment Officer, "DE & SEGC"
Raipur (C.G.)

2 - Shri M.L. Ahirwar,
JEO, "DE & SEGC",
Raipur (C.G.)

Memorandum of Understanding (MoU)

Between



जानदेव तु केवलम्

Department of Applied Physics

Shri Shankaracharya Technical Campus

Shri Shankaracharya Group of Institutions

Junwani, Bhilai, (C.G)

And



Govt. Nagarjuna Post Graduate College of Science, Raipur (C.G.)

M 1 MEMORANDUM OF UNDERSTANDING

M 1.1 This MEMORANDUM of UNDERSTANDING (MoU) is made and entered into force this 20th day of May 2019 between Government Nagarjuna Post Graduate College of Science (Autonomous), Raipur, Chhattisgarh which is represented by its Principal herein after referred to as "NPGCS" which expression shall, where the context so admit, mean and include its successors, representatives and permitted assigns of the other Part.

And

M 1.2 Department of Applied Physics, Shri Shankaracharya Technical Campus-Shri Shankaracharya Group of Institutions, Junwani, Bhilai, Chhattisgarh represented by its Director, SSTC-SSGI Bhilai herein after referred to as "SSTC-SSGI" which expression shall where the context so admits, mean and include its successors, Representatives and permitted assigns of the First part.

M 2 Preamble

M 2.1 Shri Shankaracharya Technical Campus-SSGI, Bhilai was established in 1999, it is AICTE approved and affiliated to Chhattisgarh Swami Vivekanand Technical University (CSVTV), Bhilai. The institute is accredited by NAAC with A-Grade and ISO 9001:2000 certified. It runs all core engineering branches accredited by AICTE-NBA. The institute is running under the banner of Shri Gangajali Education Society, Bhilai, with the goal to build a close interaction with the industry, and to give a strong emphasis on research. The institute offers four programs with courses: Eight UG engineering, Seventeen M.Tech, MBA, MCA, One B. Pharma and three M. Pharma along with PhD Programs. The Chairman of the Society, Shri I. P. Mishra is an eminent technocrat and a distinguished educationist of the state, has been instrumental in the development of state through excellence in technical education scenario of the state.

In central India Computational Nano-Ionics Research Lab (CNIRL) of the Department of Applied Physics, SSTC-SSGI has taken an initiative to work ahead to involve in sophisticated materials modeling, it is the first computing lab in the central India. This lab is collaborated with Prof. Ravindra Pandey (Chair, Department of Physics, Michigan Technological University (MTU), USA). At present many

quantum chemistry based software are being used in the lab viz. SIESTA, Transiesta, Gollum etc. visualization and plotting tools viz. XCrySDen, Molden, Avogadro, Gnuplot, ATK, Xmgrace & Jmol etc.

M 2.2 Whereas the NPGCS is one of the oldest Science College of India. It was established 1948 and attained the status of Model Science College in 1948 M.Sc. courses. The NPGCS strives to provide a balanced holistic education to students. NPGCS has a well equipped automated Library to facilitate study and research. Around for 2500 students are admitted each year for 16 PG and 14 UG courses. Apart from this 7 research centers are functional producing research papers based on latest scientific research.

M 2.3 Whereas both the Department of Applied Physics, SSTC-SSGI and NPGCS are about the mutual benefit of forging formal linking to develop new collaborative programs in the field of Research, and skill training. Now therefore, in consideration of the premises and mutual covenants hereinafter contained, the parties hereto agree as follows.

M 3 Scope of Work and Responsibility

M 3.1 The Department of Applied Physics, SSTC-SSGI and NPGCS after considering their objectives and strength have agreed to have an understanding for collaboration in the following areas of inserted –

01-To facilitate students and research scholars benefit from the usage of science laboratories and related equipments.

02-To import information and provide guidance to research scholars from SSTC-SSGI's professors.

03-To create opportunities for fresh scholars by collaborative research proposals.

04-To encourage young scholars for publishing in various national and international journals with appropriate guidance.

05-To create an academic atmosphere where scholars motivated to participate in paper presentations, Conferences and Seminars.

M 3.2 A four member Steering Committee shall be constituted with two member each nominated by Department of Applied Physics, SSTC-SSGI and NPGCS to identify and

co-ordinate the specific areas/activities under this MoU and finalize the terms and conditions thereof.

M 4 Confidentially

M 4.1 Both parties hereunder agree that any information disclosed by one party to the other shall be maintained as proprietary confidential information and will be disclosed only to the authorized in the relevant statutory regulations and to those persons in the recipient party's organization that has a need to know for purposes authorized by the relevant agreement. All such proprietary confidential information will be kept in confidence and party receiving the confidential information agrees to prevent the disclosure to any other person or persons outside the organization or any unauthorized person or persons except know the basis for the execution of the work. The obligations that are created under this MoU on either party as well as through subsequent relevant agreements on either party shall be duly discharged during the term of the MoU and agreement and after their expiry/termination.

M 5 Duration


This Memorandum of Understanding shall be valid for a period of five years from the date of signing of the same, and thereafter can be renewed for further period subject to such other terms and condition as may be mutually agreed upon.

M 6 Termination

This MoU may be terminated by either party by giving three months notice in writing to the other party. Either of the parties shall honor within a mutually agreed, the outstanding commitments, if any, as on the date of termination.

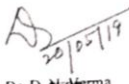
IN WITNESS WHEREOF, the parties hereto have signed this Memorandum of Understanding on 20th day of May 2019.

On behalf of
SSTC-SSGI

Signature: 

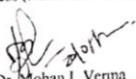
Name: Dr. P. B. Deshmukh
DIRECTOR
SHRI SHANKARACHARYA TECHNICAL CAMPUS
JUNWANI, BHILAI
Seal:

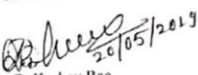
On behalf of
NPGCS

Signature: 

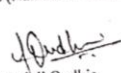
Name: Dr. D. N. Verma
Designation: Principal, NPGCS
Seal:

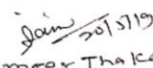
Witness (Name & Address)


1 - Dr. Mohan L. Verma
Professor and Head of Department
Applied Physics
FET, SSTC-SSGI


2 - Dr. B. Keshav Rao
Associate Professor
Department of Applied Physics
FET, SSTC-SSGI

Witness (Name & Address)


1 - Dr. Anjali Oudhia,
IQAC In charge / HOD Physics
NPGCS


2 - Dr. Sangeeta Thakur
Professor
NPGCS



MEMORANDUM OF UNDERSTANDING (MOU)



Govt. Nagarjuna Science College, Raipur

&



CIPET: CENTRAL INSTITUTE OF PLASTICS
ENGINEERING & TECHNOLOGY,
RAIPUR (C.G.)

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MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter called as the 'MOU') is entered into on this the 1st of July, 2019

BETWEEN

Nagarjuna Science College Raipur, the First Party represented herein by its Principal / Representative (hereinafter referred as 'First Party', the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

AND

CIPET:CSTS, RAIPUR, BHANPURI, RAIPUR C.G., the Second Party, and represented herein by its Director & Head / Representative, (hereinafter referred to as 'Second Party', company which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

(First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party')

WHEREAS:

- A) First Party is a Higher Educational Institution named:
 - (i) Nagarjuna Science College Raipur
- B) First Party & Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.
- C) The Parties intent to cooperate and focus their efforts on cooperation within area of Skill Based Training, Education and Research.
- D) Both Parties, being legal entities in themselves desire to sign this MOU for advancing their mutual interest;
- E) -CIPET:CSTS, Raipur- , the Second Party is engaged in Training, Skill Development, Education and R&D Services in the fields of - Plastics and related fields.

2 | 6



NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERETO AGREE AS FOLLOWS:

CLAUSE 1 CO-OPERATION

- 1.1 Both Parties are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations within the Institution and its related wings. The Parties shall keep each other informed of potential opportunities and shall share all information that may be relevant to secure additional opportunities for one another.
- 1.2 First Party and Second Party co-operation will facilitate effective utilization of the intellectual capabilities of the faculty of First Party providing significant inputs to them in developing suitable teaching / training systems, keeping in mind the needs of the industry, the Second Party.
- 1.3 The general terms of co-operation shall be governed by this MOU. The Parties shall cooperate with each other and shall, as promptly as is reasonably practical, enter into all relevant agreements, deeds and documents (the 'Definitive Documents') as may be required to give effect to the actions contemplated in terms of this MOU. The term of Definitive Documents shall be mutually decided between the Parties. Along with the Definitive Documents, this MOU shall represent the entire understanding as to the subject matter hereof and shall supersede any prior understanding between the Parties on the subject matter hereof.

CLAUSE 2 SCOPE OF THE MOU

- 2.1 The budding graduates from the institutions could play a key role in technological up-gradation, innovation and competitiveness of an industry. Both parties believe that close co-operation between the two would be of major benefit to the student community to enhance their skills and knowledge.
- 2.2 **Curriculum Design:** Second Party will give valuable inputs to the First Party in teaching / training methodology and suitably customize the curriculum so that the students fit into the industrial scenario meaningfully.

3 | 6



- 2.3 **Industrial Training & Visits:** Industry and Institution interaction will give an insight into the latest developments / requirements of the industries; the Second Party to permit the Faculty and Students of the First Party to visit its other Centers and also involve in Industrial Training Programs for the First Party. The industrial training and exposure provided to students and faculty through this association will build confidence and prepare the students to have a smooth transition from academic to working career. The Second Party will provide its Labs / Workshops for the hands-on training of the learners enrolled with the First Party on Testing/Processing and Entrepreneurship
- 2.4 **Internships and Placement of Students:** Second Party will actively engage to help the delivery of the Internship and placement of students of the First Party into internships.
- 2.5 **Research and Development:** Both Parties have agreed to carry out the joint research activities in the fields of Design and Tooling for Plastics Industry.
- 2.6 **Skill Development Programs:** Second Party to train the students of First Party on the emerging technologies in order to bridge the skill gap and make them industry ready on Design, Tool Room, Processing and Testing.
- 2.7 **Guest Lectures:** Second Party to extend the necessary support to deliver guest lecturers to the students of the First Party on the technology trends and in house requirements.
- 2.8 **Faculty Development Programs:** Second Party to train the Faculties of First Party for imparting industrial exposure/ training as per the industrial requirement considering the National Occupational Standards in concerned sector on Processing, Testing and Entrepreneurship.
- 2.9 Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required for offering the Programs on the terms specified herein.
- 2.10 There is no financial commitment on the part of the Nagarjuna Science College, Raipur the First Party to take up any program mentioned in the MoU. If there is any financial consideration, it will be dealt separately.

4 | 6



CLAUSE 3 INTELLECTUAL PROPERTY

- 3.1 Nothing contained in this MOU shall, by express grant, implication, Estoppel or otherwise, create in either Party any right, title, interest, or license in or to the intellectual property (including but not limited to know-how, inventions, patents, copy rights and designs) of the other Party.

CLAUSE 4 VALIDITY

- 4.1 This Agreement will be valid until it is expressly terminated by either Party on mutually agreed terms, during which period **CIPET:CSTS, Raipur** the Second Party, as the case may be, will take effective steps for implementation of this MOU. Any act on the part of **CIPET:CSTS, Raipur**, the Second Party after termination of this Agreement by way of communication, correspondence etc., shall not be construed as an extension of this MOU
- 4.2 Both Parties may terminate this MOU upon 30 calendar days' notice in writing. In the event of Termination, both parties have to discharge their obligations

CLAUSE 5 RELATIONSHIP BETWEEN THE PARTIES

- 5.1 It is expressly agreed that **First Party** and **Second Party** are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership. Neither Party is authorized to use the other Party's name in any way, to make any representations or create any obligation or liability, expressed or implied, on behalf of the other Party, without the prior written consent of the other Party. Neither Party shall have, nor represent itself as having, any authority under the terms of this MOU to make agreements of any kind in the name of or binding upon the other Party, to pledge the other Party's credit, or to extend credit on behalf of the other Party.



NSC, Raipur

CIPET:CSTS, Raipur

Any divergence or difference derived from the interpretation or application of the MoU shall be resolved by Mutual discussion between the

AGREED:

प्रधान
NSC, Raipur Principal
महाराष्ट्र राज्य सरकार
Authorized Signatory

For CIPET:CSTS, Raipur
ए.के. जोशी / A.K. Joshi
निदेशक एवं प्रमुख / Director & Head
Authorized Signatory / CIPET (Govt. of India)
एन.ए.सी. रायपुर, बिल्डिंग नं. 48, भणपुरी औद्योगिक क्षेत्र
रायपुर (छ.ग.) / Raipur (C.G.) (C.G.)

Name of Institution: Govt. NIT Raipur	Name of Training institution: CIPET:CSTS, RAIPUR
Address:- Opp NIT Raipur	Address- 48, Bhanpuri Industrial Area
Contact Details:- 9826733747	Contact Details:- 9111001996
E-mails: ajaylone@nitrraipur.org	E-mails: cipetraipur@gmail.com
Web: www.gscycg.org	Web- www.cipet.gov.in

Witness1:
(Dr. A. V. G. Oudhio)
Prof. & Head Physics

Witness2:
(H. Hidayathullah)
Manager (IT)

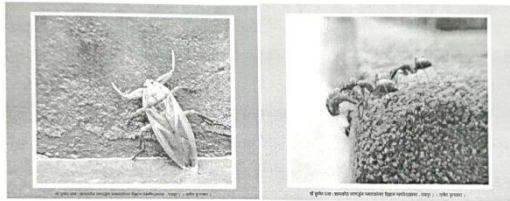
Witness3:
(B. R. Mehta)
Asstt. Professor Physics

Witness4:
Shankarsham Tiwari
A.A.

Report of the activities

01.फोटोग्राफी प्रतियोगिता 17 अगस्त 2014, रविवार को

विश्व फोटोग्राफी दिवस की पुर्व संध्या को महाकोशल कला परिषद्, रोटरी क्लब रायपुर ईस्ट, फोटोग्राफी सोसायटी - शासकीय नागार्जुन स्नातकोत्तर विज्ञान महाविद्यालय, रायपुर द्वारा राजकुमार कॉलेज के सहयोग से आयोजित फोटोग्राफी प्रतियोगिता 09 बजे से 01 बजे तक राजकुमार कॉलेज, रायपुर में 17 अगस्त 2014 को आयोजित हुई. प्रतियोगिता चार वर्गों में आयोजित हुई. प्रथमवर्ग- पहली से बारहवी कक्षा के छात्र-छात्राओं का था, दूसरा वर्ग - महाविद्यालयीन छात्र-छात्राओं का, तीसरा वर्ग - व्यावसायिक छात्राकारों का, चौथा वर्ग - महिला छात्राकार व रोटरी सदस्यों को लिए था. प्रतियोगिता स्थल पर ही 4 विषय दिए गए जिस पर प्रतिभागी को अधिकतम (4 फोटोग्राफ 01 घण्टे की समय सीमा में खींच कर जमा किया. निर्णायक समिति में प्रदेश के ख्यातनाम कलाकार को आमंत्रित किया गया. इस प्रतियोगिता में प्रथम पुरस्कार, द्वितीय पुरस्कार, एवं विशेष पुरस्कार व प्रोत्साहन पुरस्कार भी दिया जाएगा. इस प्रतियोगिता में महाविद्यालयीन, व्यावसायिक, महिला, शालेय वर्ग, सैनियर सिटीजन ने भाग लिया. इस स्पर्धा के पुरस्कार सितंबर माह के आयोजन में महाकोशल कला वीथिका में वितरित किए जाएंगे. साथ ही इसकी कला प्रदर्शनी भी पुरस्कार वितरण में आयोजित होगी.



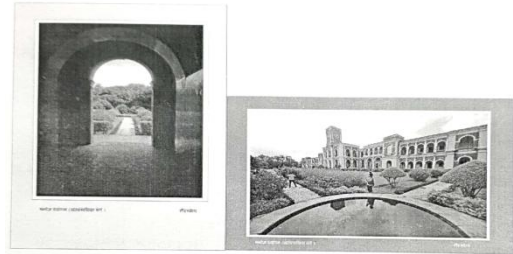
Dr. Ashish
अध्यक्ष
महाकोशल कला परिषद्,
रायपुर, (छ.ग.)

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रोटरी क्लब रायपुर ईस्ट का आयोजन

फोटोग्राफी प्रदर्शनी 19 अगस्त 2014, रविवार को

विश्व फोटोग्राफी दिवस पर महाकोशल कला परिषद्, रोटरी क्लब रायपुर ईस्ट, छात्राध्यक्ष फोटोग्राफी सोसायटी - साइंस कालेज, शासकीय नागार्जुन स्नातकोत्तर विज्ञान महाविद्यालय, रायपुर द्वारा 19 अगस्त 2014 को राजकुमार कॉलेज के सहयोग से आयोजित फोटोग्राफी प्रतियोगिता में पुरस्कृत फोटोग्राफ की प्रदर्शनी क्रिएशन 2014 महाकोशल कला परिषद्, रोटरी क्लब रायपुर ईस्ट द्वारा 06 बजे से 08 बजे तक महाकोशल आर्ट गैलरी में.



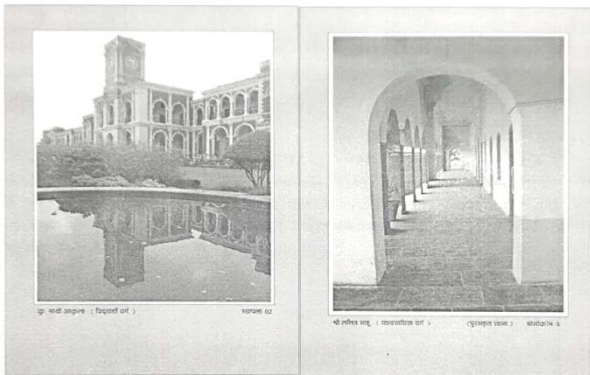
President
President,
Rotary Club of Raipur East
Raipur, (C.G.)

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रोटरी क्लब रायपुर ईस्ट का आयोजन

फोटोग्राफी प्रदर्शनी 19 अगस्त 2015, रविवार को

विश्व फोटोग्राफी दिवस पर महाकोशल कला परिषद्, रोटरी क्लब रायपुर ईस्ट, क्लिक एंड रिप्स, फोटोग्राफी सोसायटी, शासकीय नागार्जुन स्नातकोत्तर विज्ञान महाविद्यालय, रायपुर, लायंस क्लब रायपुर फ्रेड्स द्वारा राजकुमार कॉलेज के सहयोग से आयोजित फोटोग्राफी प्रतियोगिता में पुरस्कृत फोटोग्राफ की 19.08.2015 को संध्या 06 बजे से महाकोशल कला वीथिका (आर्ट गैलरी) में आयोजित महाकोशल समकालीन फोटोग्राफी प्रदर्शनी -2015



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Rotary Club of Raipur East
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फोटोग्राफी प्रतियोगिता का आयोजन 21 अगस्त 2016 को

डिस्ट्रिक्ट के इतिहास में पहली बार फोटोग्राफी प्रतियोगिता का आयोजन लायंस, लायनेस व लियो फोटोग्राफर के लिये किया गया. विश्व फोटोग्राफी दिवस फोटोग्राफी स्पर्धा-2016 रायपुर, लायंस व लायनेस क्लब लियो इंटरनेशनल डिस्ट्रिक्ट 323-सी, तथा महाकोशल कला परिषद् रोटरी क्लब रायपुर ईस्ट, द्वारा विश्व फोटोग्राफी दिवस के अवसर पर 10वीं फोटोग्राफी स्पर्धा-2016 का आयोजन प्रतिवर्षानुसार ही राजकुमार कालेज परिसर में रविवार दिनांक 21 अगस्त 2016 को प्रातः 06 बजे से संध्या 06 बजे तक आयोजित किया गया.

यह उल्लेखनीय है कि आयोजन विगत 10 वर्षों से महाकोशल कला परिषद् द्वारा राजकुमार कालेज के सहयोग तथा लायंस व लायनेस क्लब इंटरनेशनल डिस्ट्रिक्ट 323-सी, रोटरी क्लब रायपुर ईस्ट, फोटोग्राफी सोसायटी, शासकीय नागार्जुन स्नातकोत्तर विज्ञान महाविद्यालय, रायपुर, क्लिक एवं रिप्स फोटोग्राफी सोसायटी, फोटोग्राफी सोसायटी, कलींगा विश्वविद्यालय, के संयुक्त तत्वाधान में आयोजित किया जाता है. आयोजन निःशुल्क होता है तथा विभिन्न वर्गों में आयोजित की प्रदर्शनी एवं पुरस्कार वितरण महाकोशल कला वीथिका में आयोजित किया जाता है. प्रतियोगिता 5 वर्गों में आयोजित किया जाता है. जिसमें छात्र-छात्राएं बड़ी संख्या में हिस्सेदारी कर पुरस्कृत होते रहे हैं. आयोजन (प्रथम वर्ग-पहली से पाँचवी कक्षाओं का) (द्वितीय वर्ग-छटवी से आठवी कक्षाओं का) (तृतीय वर्ग-नवमी से बारहवी की कक्षाओं का) (चौथी वर्ग-महाविद्यालयीन छात्र-छात्राओं का) (पाँचवा वर्ग-व्यावसायिक कलाकारों का) (छठवां वर्ग-रोटरी क्लब के सदस्यों का) (सातवां वर्ग-लायंस क्लब के सदस्यों का) (आठवां वर्ग- लायनेस प्रतिभागियों का) (नववां वर्ग- लियो प्रतिभागियों का) था. हर वर्ग में प्रथम, द्वितीय, तृतीय एवं सातव्या पुरस्कार दिए जाएंगे, प्रतियोगिता हेतु निर्णायक समिति का गठन किया गया है, जिसमें प्रदेश के ख्यातनाम छात्राकारों की तीन सदस्यीय टीम चयनीत की गई, प्रतियोगिता स्थल पर पाँच विषय दिए गए, जिन पर प्रतिभागियों को पाँच फोटो (प्रत्येक वर्ग से एक) या (एक ही वर्ग से पाँच) फोटो खींच कर जमा की पाँच सर्वश्रेष्ठ चयनीत फोटोग्राफ ही प्रतिभागी से लिए गए, जिस पर निर्णायक समिति निर्णय देगी, फोटोग्राफ (थेत श्याम रंगीन), या मोनो क्रोम भी जमा किए गए. कैमरा/मोबाइल/डिजिटल एस एल आर/स्मार्ट फोन का उपयोग स्पर्धा हेतु किया गया. खींचे गए फोटोग्राफ पर किसी भी प्रकार की डिजिटल एडिटिंग अमान्य थी. फोटोग्राफ से छेड़छाड़ न कर, निर्धारित अवधि में दिए गए विषयों पर ही प्रतिभागी पाँच फोटोग्राफ चयनीत कर उन्हें स्पर्धा स्थल में जमा किया.



Lion Amarjeet Singh Dutta

Librarian

पर्यावरण पर राजकीय चित्रकला प्रदर्शनी-2017

रायपुर महाकोशल कला परिषद एवं पर्यावरण ग्रीन सोसायटी, शासकीय नागार्जुन स्नातकोत्तर विज्ञान महाविद्यालय, रायपुर द्वारा संयुक्त रूप से दिनांक 03 जून 2017 दिन शनिवार को शाम-05.00 बजे से 05 वीं राजकीय पर्यावरण चित्रकला प्रदर्शनी का आयोजन विश्व पर्यावरण दिवस पर पूर्व संध्या पर आयोजित किया गया.



अध्यक्ष
महाकोशल कला परिषद,
रायपुर. (छ.ग.)

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04. पर्यावरण पर राजकीय चित्रकला प्रतियोगिता-2017

रायपुर महाकोशल कला परिषद एवं पर्यावरण ग्रीन सोसायटी, शासकीय नागार्जुन स्नातकोत्तर विज्ञान महाविद्यालय, रायपुर द्वारा संयुक्त रूप से दिनांक 04 जून 2017-रायपुर दिन रविवार को प्रातः 09 बजे से 05 वीं राजकीय पर्यावरण चित्रकला प्रतियोगिता का आयोजन विश्व पर्यावरण दिवस पर आयोजित है

बच्चों ने चित्रों से दिखाया पर्यावरण प्रदूषण



पेंटिंग के जरिए कलाकारों ने दिया पर्यावरण संरक्षण का संदेश



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महाकोशल कला परिषद,
रायपुर. (छ.ग.)

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RAIPUR (C.G.)

24वीं अखिल फोटोग्राफी नवरस अभिव्यंजना प्रदर्शनी -2018

रायपुर, महाकोशल कला परिषद, फोटोग्राफी सोसायटी, शासकीय नागार्जुन स्नातकोत्तर वि. महाविद्यालय, रायपुर एवं रोटरी क्लब रायपुर ईस्ट, द्वारा 24 वीं अखिल भारतीय नवरस अभिव्यंजना फोटोग्राफी प्रदर्शनी -2018 का उद्घाटन महाकोशल कला वीथिका में 13 जुलाई 2018 को मुख्य अतिथि माननीय अखिलेश भारोस, वरिष्ठ छायाकार के द्वारा मां सरस्वती के सामने दीप प्रज्वलित कर किया गया। प्रदर्शनी के उद्घाटन के पश्चात मुख्य अतिथि ने प्रदर्शनी का अवलोकन किया। आपने कहा कि विभिन्न मूड पर आधारित नवरसों की अभिव्यंजना करती फोटोग्राफ की प्रदर्शनी रायपुर में पहली बार आयोजित हुई है। देश भर के छायाकारों ने अपनी फोटोग्राफ रचनाओं में अपना विगत अनुभव निचोड़कर रखा है। रांची, कानपुर, दिल्ली, चंडीगढ़, छत्तीसगढ़, पटियाला, लुधियाना, मध्य प्रदेश, कश्मीर, कलकत्ता, आंध्र प्रदेश, गुजरात से 154 छायाकारों की 300 फोटोग्राफ रचनाओं में से 42 छायाकारों की 55 फोटोग्राफ रचनाएँ प्रदर्शित की गई हैं। निर्णायक समिति के द्वारा चयनीत फोटोग्राफ ही प्रदर्शित किए गए हैं। 48 बाल कलाकारों ने, 42 महाविद्यालयीन छायाकारों ने, 64 व्यावसायिक छायाकारों ने लगभग 300 फोटोग्राफ प्रतिस्पर्धा के लिए प्राप्त हुए। आयोजन में शासकीय नागार्जुन स्नातकोत्तर विज्ञान महाविद्यालय, रायपुर, एन आई टी रायपुर, कलिंगा विश्वविद्यालय, पं रविशंकर शुक्ल विश्वविद्यालय अध्ययन शाला से प्रतिभागियों ने भी अपनी अनुभूति को कैमरे से खींच कर जमा किया था। मूड पर आधारित प्रदेश में पहली अखिल भारतीय प्रदर्शनी है। छायाकारों ने चेहरे के भावों की कलात्मक श्वेत श्याम छाया चित्र, छाया व सौंदर्य से नवरसों की अभिव्यंजना करते पोर्ट्रेट, नाटकों के दृश्यों की, आम ज़िंदगी के रूपाकार, संगीत व युवा उत्सव के दृश्य, छाया और प्रकाश का जादुई खेल रचनाओं में पिरोया है। सभी फोटोग्राफी मोबाइल, टेबलेट, एसएलआर कैमरे से की है। महाकोशल कला वीथिका में पुरस्कृत फोटोग्राफ की प्रदर्शनी आयोजित की गई है। प्रदर्शनी दर्शकों के अवलोकन हेतु रविवार को सुबह 10 बजे से 12 बजे तक खुली रहेगी।

डॉ प्रवीण शर्मा,

लिंक

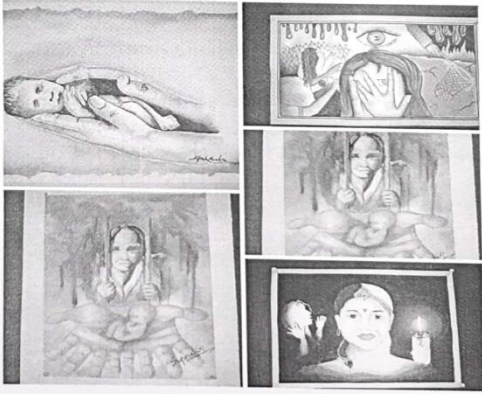
<https://www.facebook.com/pravin.sharma.52/videos/1623698644405977/?list=100002975727385%3A100002975727385%3A1576145591>

अध्यक्ष
महाकोशल कला परिषद,
रायपुर. (छ.ग.)

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All India AIDS Painting, Photography, Drawings, Graphics, Kolaz Art Exhibition-2018

Mahakoshal Kala Parishad, Raipur, and Lion's Club Raipur Frains, Government Nagarjuna P.G.College Of Science, Raipur is Jointly Organized 39th All India AIDS Painting, Photography, Drawings, Graphics, Kolaz Art Exhibition in Mahakoshal Art Gallery, Raipur on 01December 2018.
SHOW



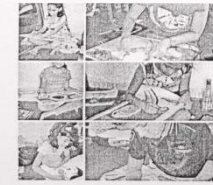
ड.ने.श.म.३
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महाकोशल कला परिषद,
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माँ पर आयोजित चित्रकला स्पर्धा में प्रतिभागियों ने अपनी अनुभूतियों को कैनवास पर माँ के विभिन्न रूपों में साकार किया

रायपुर। मेरी माँ पर विषय पर महाकोशल कला वीथिका में आज 12.05.2019 को आयोजित चित्रकला स्पर्धा में प्रतिभागियों ने अपनी माँ को, दुर्गा माँ को, भारत माँ को, धरती माँ को, गाय माता को, तथा छत्तीसगढ़ माँ को कैनवास पर 250 कलाकारों ने साकार किया। बाल कलाकारों ने कैनवास पर माँ के विभिन्न स्वरूप, बेटी बचाओ विषय पर, भूण हत्या पर, गर्भ में बेटी को मारने की, बेटी को पढ़ाने की अभिव्यक्ति साकार किया। शासकीय नागार्जुन स्नातकोत्तर विज्ञान महाविद्यालय, रायपुर की लैंगिंग समानता समिति, लायंस क्लब रायपुर फ्रेड्स, रायपुर एवं महाकोशल कला परिषद के द्वारा संयुक्त रूप से महाकोशल कला वीथिका में "चित्रकला स्पर्धा एवं चित्रकला शिविर का आयोजन किया गया।

जल, तैल, पेसिल, आईल, पेस्टल कलर से माध्यम से निर्मित रचनाएँ पवित्रा नन्धानी ने माँ और बेटी की विषय वस्तु को पर साकार किया। खुशी नेताम ने बेटी को बढाने की विषय वस्तु को कैनवास पर साकार किया है। अर्चना ने अपनी रचना में एक तरफ गाय माता को बनाया तथा दूसरी तरफ अपनी माँ को रचना में अनुभूत की।



ड.ने.श.म.३
अध्यक्ष
महाकोशल कला परिषद,
रायपुर. (छ.ग.)

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RAIPUR (C.G.)

Envarment Green Socity 2015

विश्व धूमपान निषेध दिवस पर 31 मई 2019 को

रायपुर . शासकीय नागार्जुन स्नातकोत्तर विज्ञान महाविद्यालय, रायपुर एवं महाकोशल कला परिषद द्वारा धूमपान निषेध दिवस पर 31 मई 2019 को महाकोशल कला वीथिका में आयोजित हुआ। महाकोशल कला परिषद द्वारा अखिल भारतीय रेखांकन, फोटोग्राफी, मूर्ति, चित्रकला प्रदर्शनी -2019 : का उद्घाटन महाकोशल कला वीथिका में मुख्य अतिथि डॉ. दिनेश मिश्र द्वारा दीप प्रज्ज्वलित कर किया गया। यह प्रदर्शनी में प्रदेश में में बृहत पैमाने पर आयोजित हुई है जिसमें अखिल भारतीय 100 कलाकारों की एक विषय पर आधारित 108 108 रेखांकन रचनाएँ जिसमें, व्यंग्यचित्र, यन्त्रिक ड्राईंग, जल, तैल, पेस्टल से निर्मित रेखांकन प्रदर्शित की गई है। इस प्रदर्शनी में मध्य के प्रदेश के बालाघाट से जी.एल. चौरागढे की रचना, आंध्र प्रदेश के विशाखापटनम से पी.ऊषा की रचना, कर्नाटक से पांडुरंगारा व बुडकट तथा त्रिनेकट से मांड्राईंग का निर्माण निर्माण, पेन, स्पाही, जलरंग, पेस्टल, चारकोल, कजली, स्केच पेन, आदि माध्यम से रेखांकन रचना का निर्माण किया गया है। मुजफ्फपुर से विमल विस्वास की रचना, अहमदाबाद से अजय तिवारी की रचना, कोयम्बटूर से खिराज की रचना, बेंगलोर से विलुषिणी प्रसाद तथा दीपक विजय आर की रचना, गोवा से सिद्धाल गायतोंडे की रचना, महाराष्ट्र के नागपुर से समवेद शर्मा की रचना, मुंबई के मनीष महानंद की रचना से राजस्थान के उदयपुर से प्रमोद सोनी की रचना, उड़ीसा के कटक से बीजू पटनायक की रचना, गुजरात के बड़ोदा से दवे जलेंदु कुमार की रचना, अहमदाबाद से अजय तिवारी की रचना, दिल्ली से गोपाल नासकर, व सिद्धाल शर्मा का रेखांकन, केरल के त्रिपुर से एस.बालासुब्रमण्यम की रचना कलकत्ता से अंजन सेन तथा छत्तीसगढ़, आदि प्रांतों के कलाकारों का रंगसौंदर्य व अनुभव गजब का प्रभाव उत्पन्न करता प्रदर्शित है।

लिंक -

<https://www.youtube.com/watch?v=CRJGECvoZBI&feature=share>

ड.ने.श.म.३
(डॉ. दिनेश मिश्र)
अध्यक्ष
अंध श्रद्धा निर्मूलन समिति,
रायपुर. (छ.ग.)

डॉ. प्रवीण शर्मा,
गंतपाल,
शासकीय नागार्जुन स्नातकोत्तर
विज्ञान महाविद्यालय, रायपुर. (छ.ग.)



EMBRACING EMPOWERMENT: In a unique show of 1,125 women formed a symbolic chain of empowerment at Science College ground on Thursday. This show of empowerment was also registered in the Golden book of World records. In this programme along with members of Lions Club International district 323 C, girl students and teachers of Government Nagpur Post Graduate Science College, Raipur, SOS, Pt. Ravishanker Shukla University, NIT Raipur, Radhabai Government, Naaseen Kanya Mahavidyalaya, Raipur, Pragati Mahavidyalaya, Adarsh Mahavidyalaya, Kirti Mahavidyalaya, Raipur, Maa Shanti Vidyalaya, Mayaram Sunjan Higher Secondary School, Choube colony, Radhika Way HSS, Lions Club Raipur Friends, Lions Club Raipur Shikhar, Lions Club Raipur Capital, Lions Club Raipur Greater, Lions Club Raipur West, Lions Club Raipur Women participated.
(Pic by Rupesh Yadav)

FIRST COLUMN

Quality of education in Govt schools declines across State

Non-disclosure of money source by Goel Group Directors prompt IT sleuths to seize Rs 1.62 cr

Bewa
to n

Follow-Up

Activities done under MOU signed between Govt. N. P. G. College of Science, C.G. and Sickle cell Institute Raipur, C.G.

Title - Sickle cell screening programme at Jamgoan 17-10-14

Context -Social campaigning programme for screening of sickle cell disease and its awareness in school going children – 17-10-2014 at Jamgoan village dist. Durg.

Programme -One day social campaigning programme for screening of sickle cell disease and its awareness in school going children was organized on 17-10-2014 at Jamgoan village dist. Durg. The faculty members and P.G. students (45) of the department with the help of team of Dept. of Biochemistry Pt. J. N. M. Medical college Raipur organized the programme to screen the students suffering from sickle cell disease.

Objectives – To make the school children aware of the nutrition, cleanliness, food borne diseases and the importance of keeping the environment clean. The children suffering from sickle disease were also made aware of facts and precautions regarding the disease. The children were also told about the proper medication.

Students involvement - P.G. students (45) of the department of Botany.

Evidence - Photographs



RA Raipur
HEAD
DEPARTMENT OF BOTANY
GOVT. NPG COLLEGE OF SCIENCE
RAIPUR (C.G.)

6/
Director cum Professor & Head
Department of Biochemistry
Pt. J.N.M. Medical College, Raipur (C.G.)

Title-Sickle cell screening camp

Date- 31-08-2016

Organized by – Dept. of Botany and Zoology with the help of Sickle cell mission and mode project Raipur (CSIR) C.G. Under Unnat Bharat abhiyan

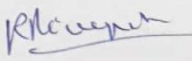
Venue – Govt. N.P.G.college of Science, Raipur, C.G.


Duration- 1 day

Date wise activities- The screening of sickle cell disease was done among school going children and villagers of village Tendua, Dist. Raipur, C.G. Total number of test performed were 254. The positive samples were further sent to the Sickle cell lab. Pt J .N.M. Medical college Raipur. C.G. for confirmation. The samples of villagers found to be positive were given cards form .Counseling was done for their health care and precautions to be taken during marriages.

Impact- The villagers of village Tendua got aware about their health care and precautions to be taken during marriages if they were diseased or carrier of sickle cell.




HEAD,
DEPARTMENT OF BOTANY
GOVT. NPG COLLEGE OF SCIENCE
RAIPUR (C.G.)


Director cum Professor & Head
Department of Biochemistry
Pt. J.N.M. Medical College, Raipur (C.G.)

Title – Guest lecture (Sickle cell awareness) of Dr. P.K.Patra, Dean CIMS Bilaspur, C.G.
Date – 04-09-2018

Activity- Department of Zoology, Govt.N.P.G. College of Science, Raipur, C.G. organized a Guest lecture of Dr. P.K. Patra , Dean CIMS Bilaspur, C.G. on Sickle cell, its occurrence sinario in Chhattisgarh and causes of this disease . He also emphasized on the marriage counseling on the sickle cell patients. He further elaborated on the precautions to be taken if someone suffers from this disease.

Beneficiaries – The faculty members and P.G. students of Zoology and Botany Department were benefitted by the lecture. This lecture was basically organized for the awareness of this disease among college students.



PROFESSOR & HEAD
DEPARTMENT OF BIOCHEMISTRY
Pt. J.N.M. Medical College,
RAIPUR (C.G.)

P.I. OF SICKLE CELL PROJECT (CS
PT. J.N.M. MEDICAL COLLEGE
RAIPUR (C.G.)

Title-Sickle cell screening camp

Date- 04 January 2019

Organized by – Dept. of Botany and Zoology with the help of Sickle cell mission and mode project Raipur (CSIR) C.G.

Venue – Govt. N.P.G.college of Science,Raipur, C.G.

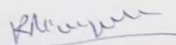
Duration- 1 day

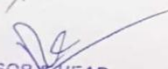
Date wise activities- The screening of sickle cell disease was done among students , faculty members and office staff of Govt. N.P.G.college of Science, Raipur, C.G.

Total number of test performed were 302 out of which 34 samples were found to be positive. The positive samples were further sent to the lab Sickle cell mission and mode project for confirmation. All the 34 samples were found to be heterozygous (trait/carrier) of the disease. The students whose samples were found to be positive were given cards form Sickle cell mission and mode project .Counseling was done for their health care and precautions to be taken during marriages.

Impact- The students got aware about their health care and precautions to be taken during marriages if they were diseased or carrier of sickle cell.




HEAD
DEPARTMENT OF BOTANY
GOVT. NPG COLLEGE OF SCIENCE
RAIPUR (C.G.)


PROFESSOR & HEAD
DEPARTMENT OF BIOCHEMISTRY
Pt. J.N.M. Medical College,
RAIPUR (C.G.)

Title- Entrepreneurship awareness Camp (EAC)

Date- 08 – 10 January 2019

Organized by - CITCON (Chhattisgarh Industrial and Technical Consultancy Center)

Venue – Govt. N.P.G.college of Science,Raipur, C.G.

Duration- 3 days

No of participants-75

Names of resource persons-

1. Dr. A.S. Kalele Senior faculty,
2. Shri P.K. Nimonkar State Head CITCON,
3. Ashish Prajapati, Assistant Manager CITCON,
4. Mr.Yogesh Sharma,
5. Mr. Kaustubh Dharmadhikari ,Owner KAPS Food India Pvt. Ltd.

Date wise activities-

08-1-2019- Session I- In the Inaugural Session the students were made aware by the objectives of organizing EAC which was followed by presentation by Dr. A.S. Kalele Senior faculty about non verbal and verbal communication.

Session II- Presentation by Shri P.K. Nimonkar State Head CITCON about entrepreneurship opportunities in Chhattisgarh and Industrial policies.

09-01-2019- Session I - Presentation by Shri P.K. Nimonkar State Head CITCON –Do's and Don'ts in success.

Session II- Presentation by Mr. Kaustubh Dharmadhikari KAPS Food India Pvt.Ltd.

Success story by entrepreneur.

Session III – Presentation by Mr.Yogesh Sharma- How to start your own startup.

10-01-2019 – Industrial visit to KAPS FOOD INDIA PVT. LTD. Rawabhata, Industrial Area, Bhanpuri, Raipur, (C.G.)

Impact- The EAC made students aware of strategies, planning, laws and do's and don't's to start their own start up . The students got opportunity to get aware with the success story of entrepreneur. They also made aware of how to develop personality of an entrepreneur through nonverbal and verbal

Title- Faculty Development Programme

Date- From 18-01-2019 to 01-02-2019

Organized by - CITCON (Chhattisgarh Industrial and Technical Consultancy Center)

Venue – Govt. N.P.G.college of Science,Raipur, C.G.

Duration- 15 days

No of participants-24(Faculties from Govt. N.P.G. College Science, Raipur, C. G. and other colleges of Chattisgarh)

Names of resource persons

1. Shri P.K. Nimonkar State Head CITCON,
2. Dr. A.S. Kalele Retd. Professor Commerce, Guest faculty, CITCON
3. Ashish Prajapati, Assistant Manager CITCON,
4. Mr.Yogesh Sharma, Civil Engineer, Associate consultant, CITCON
5. Mr. Kaustubh Dharmadhikari ,Director, KAPS Food India Pvt. Ltd.
6. Shri O.P.Banjare , Incharge, Investment promotion Chhattisgarh State Development Corporation Ltd.(CSIDC) Raipur, C.G.
7. Shri V.Y.Goglekar, Guest faculty, CITCON
8. Dr. Hullah Pathak, Associate Professor, Indira Gandhi Krishi Vishwavidyalaya, Raipur, C.G.
9. Imran Nadeem Siddiqui, Guest faculty, CITCON

Activities –

18-01-2019
Inaugural session followed by lecture.

19-01-2019 – 28- 01-2019

Lectures followed by activities to be performed by participants.

29-01-2019

Industrial visit- Parle G factory

01-02-2019

Valedictory function followed by certificate distribution.

Impact – The FDP made faculties how to develop awareness among students, of strategies, planning, laws and do's and don'ts to start their own start up. The faculties got opportunity to get aware with the success story of entrepreneur. They also made aware of how to develop personality of an entrepreneur through

IQAC Coordinator
(Dr. A. Oudhia)

(Dr. A. Oudhia)
PRINCIPAL
GOVT. NPG COLLEGE OF SCIENCE
RAIPUR (C.G.)

nonverbal and verbal communications. The Industrial visit in the programme gave opportunity to the participants to observe the working plan of Parle Gfactory.



IQAC Coordinator
(Dr. A. Oudhia)

(Dr. A. Oudhia)
PRINCIPAL
GOVT. NPG COLLEGE OF SCIENCE
RAIPUR (C.G.)



Vayu Sena Bharti



**Induction Program & Enrollment of students in
Employment Exchange and Career Guidance.**



Kopalvani

Reports on HANDS ON PRACTICE WORKSHOP OF MATERIALS MODELING, 2- 15 July 2017

Research involving computational modeling and simulation provides an alternative way which is currently being actively pursued, because of its low cost, reliable prediction, and flexibility over multiscale length and time. Computational methods are becoming increasing importance in all areas of science and engineering. Materials Science and Engineering applications range from the theoretical prediction of the electronic and structural properties of materials to chemical kinetics and equilibrium as well as modeling of materials processing operation. Recent advances in computational techniques offer truly remarkable insight into materials behaviors, particularly at the nanoscale. Under favorable circumstances, it is now possible to predict in requisite detail the structural, electronic, mechanical, optical and magnetic properties of materials.

Computational Nanoionics Research Lab (CNIRL) involved in sophisticated materials modeling, is the first computing lab in the central India. This lab is collaborated with Prof. Ravindra Pandey (Chair, Department of Physics, Michigan Technological University (MTU), USA). At present many quantum chemistry based software are being used in the lab viz. SIESTA, Transiesta, Gollum etc. visualization and plotting tools viz. XCrySDen, Molden, Avogadro, Gnuplot, ATK, Xmgrace & Jmol etc.

One of the objective of this lab is to give training to the PG students (MSC and M-Tech) of the region. In this context on from 2 July to 15 July 2017, we organize a Hands On Training Program for PG Students (3rd sem) of Govt Science College Raipur (Chhattisgarh) one of our collaborators. This workshop included Theoretical lectures in the first half and computational experiments on SIESTA in second half daily. The details schedule was as under

Program Schedule

Date	Topics	Time	Lab	Time
3 July Mon	Introduction to course work and installation of Linux operating system.	10:30 AM -12:30 PM	Lab-1 (Introduction to course work, Linux-1)	1:30 PM - 4:00 PM
4 July Tue	Some basic linux commands and its practices	10:30 AM -12:30 PM	Lab - 2(Linux-2)	1:30 PM - 4:00 PM
5 July Wed	Introduction and compilation of siesta. Creating its input file and optimization of any system. pseudopotentials.	10:30 AM -12:30 PM	Lab-3(Compilation of pre/post processing software)	1:30 PM - 4:00 PM

6 July Thur	How to draw the structure of crystal/nanocrystal, polymers, nanoribbons etc using windows based Avogadro molecular editor	10:30 AM -12:30 PM	Lab-4(Structural designing: unit cells, molecules, polymers, xmgrace plotting etc)	1:30 PM - 4:00 PM
7 July Fri	Simple siesta run for sample input files	10:30 AM -12:30 PM	Lab-5(Creation of input files and optimization of a system)	1:30 PM - 4:00 PM
8 July Sat	How to use xmgrace plotting tools	10:30 AM -12:30 PM	Lab-6(Structural analysis, Murnaghan plotting)	1:30 PM - 4:00 PM
10 July Mon	Post processing tools for electronic, optical and electronic transport properties studies	10:30 AM -12:30 PM	Lab-7(Electronic properties-DOS)	1:30 PM - 4:00 PM
11 July Tue	How to obtain energy bands, DOS and PDOS and their interpretation	10:30 AM -12:30 PM	Lab-8(Electronic properties PDOS, COOP)	1:30 PM - 4:00 PM
12 July Wed	How to use eig2dos, rho2xf and denchar for charge density analysis ?	10:30 AM -12:30 PM	Lab-9(Electronic properties of Charge density and band diagrams)	1:30 PM - 4:00 PM
13 July Thur	Application of COOP/COHP for bond analysis	10:30 AM -12:30 PM	Lab-10.(Effect of doping and electric field on 2D materials)	1:30 PM - 4:00 PM
14 July Fri	Band theory of solids and classifications of materials	10:30 AM -12:30 PM	Lab-11.(Effect of defects and strain on 2D materials)	1:30 PM - 4:00 PM
15 July Sat	Optical properties of Solid materials.	10:30 AM -12:30 PM	Lab-12(Input file for optical properties, to run and plotting)	1:30 PM - 4:00 PM

In this workshop students learned different aspects of material modeling using SIESTA a computational software of electronic structure studies. They also learned about theoretical

and computational aspects of material science adopting different properties. Computer experiments were given emphasis to keep ready for further project work in 4th sem of the students. In the last day of workshop some recent topics of material properties and devices were allotted to them for project work.

Special Thanks to Dr Anjali Avadhiya HoD Physics Department Science College Raipur for permitting the students to attend the workshop. We are grateful to Dr. P.B. Deshmukh, Director for giving permission for this workshop and encourage us for further work in the field of modeling. We are also thankful to Mrs. Jaya Mishra President SGES for providing facilities.

Theory Lecture By : (I) **Dr Mohan L Verma** (Mentor of workshop and HoD Deptt of Applied Physics)

(ii) **Dr B Keshav Rao** (Associate Professor Deptt of Applied Physics)

Computational Experiments helping hands : Dr B Keshav Rao, Rachna Singh (Research Scholars CNIRL)

WORKSHOP HIGHLIGHTS



ATTENDANCE



ATTENDANCE RECORD

ATTENDANCE RECORD				
MSc-III (Sem) (Physics) 2017-18				
Roll No.	Name	Signature	Grade	Phone
163701	Anjali Mandavi F		05	9737133017
163702	Adarsh M		05	9737133017
163703	B. Shweta F		05	9737133017
163704	Chandraprabha F		05	9737133017
163705	Diksha Mandavi F		05	9737133017
163706	Dipali Sharma F		05	9737133017
163707	Geetika Yadav F		05	9737133017
163708	Indendra M		05	9737133017
163709	Kamdev M		05	9737133017
163710	Kanchan Tiwari F		05	9737133017
163711	Omprakash Karam M		05	9737133017
163712	Poojita S. Netam F		05	9737133017
163713	Poojima F		05	9737133017
163714	Pooja F		05	9737133017
163715	Priya Barik F		05	9737133017
163716	Shweta Chandrakar F		05	9737133017
163717	Senig Sabu F		05	9737133017
163718	Srishti Tiwari F		05	9737133017
163719	Tikesh Kumar Sabu M		05	9737133017
154719	Tarun Kumar Koolyap M		05	9737133017
III Semester				
Roll No.	Name	Signature	Grade	Phone
163701	Anjali Mandavi F		05	9737133017
163702	Adarsh M		05	9737133017
163703	B. Shweta F		05	9737133017
163704	Chandraprabha F		05	9737133017
163705	Diksha Mandavi F		05	9737133017
163706	Dipali Sharma F		05	9737133017
163707	Geetika Yadav F		05	9737133017
163708	Indendra M		05	9737133017
163709	Kamdev M		05	9737133017
163710	Kanchan Tiwari F		05	9737133017
163711	Omprakash Karam M		05	9737133017
163712	Poojita S. Netam F		05	9737133017
163713	Poojima F		05	9737133017
163714	Pooja F		05	9737133017
163715	Priya Barik F		05	9737133017
163716	Shweta Chandrakar F		05	9737133017
163717	Senig Sabu F		05	9737133017
163718	Srishti Tiwari F		05	9737133017
163719	Tikesh Kumar Sabu M		05	9737133017
154719	Tarun Kumar Koolyap M		05	9737133017

Dr P B Deshmukh
(Director)

SHANKARACHARYA TECHNICAL CAMPUS
JUNWANI, BHILAI

Dr Mohan L Verma
(HoD)

Dept. of Appl. Physics
PET-6501
Shri Shankaracharya Technical Campus
Junwani, Bhilai

Reports on HANDS ON PRACTICE WORKSHOP OF MATERIALS MODELING 16-28 July 2018

As per the joint objectives of Department of Applied Physics, Sri Shankaracharya Technical Campus (SSTC) and Govt Science College Raipur (i.e. To exchange the state-of-the-art scientific knowledge in the field of Computational Materials Science. To provide a strong research platform to researchers and PG students in the field of Materials Science. And to establish a collaborative relationship and to explore the future research prospects between participants.), in Computational Nanoionics Research Lab (CNIRL), Dept of Applied Physics, SSTC, two weeks hands on practice workshop on material modeling were organized during 16 July - 28 July 2018 for MSc Physics IIIrd SEM students of Science College Raipur. In which students learned different aspects of material modeling using SIESTA computational software of electronic structure studies. The program schedule was :

Program Schedule

Date/Day	Theory	Time	Lab	Time
16 July Mon	Objectives of workshop and introduction of material modeling	10:30 AM -12:30 PM	Lab-1 (Introduction to course work, Linux-1)	1:30 PM - 4:00 PM
17 July Tue	Materials world various properties and Applications	10:30 AM -12:30 PM	Lab - 2(Linux-2)	1:30 PM - 4:00 PM
18 July Wed	Density Functional Theory -I	10:30 AM -12:30 PM	Lab-3(Compilation of pre/post processing software)	1:30 PM - 4:00 PM
19 July Thu	Density Functional Theory -I	10:30 AM -12:30 PM	Lab-4(Structural designing: unit cells, molecules, polymers, xmgrace plotting etc)	1:30 PM - 4:00 PM
20 July Fri	Material modeling and SIESTA	10:30 AM -12:30 PM	Lab-5(Creation of input files and optimization of a system)	1:30 PM - 4:00 PM
21 July Sat	Structures of Solids	10:30 AM -12:30 PM	Lab-6(Structural analysis, Murnaghan	1:30 PM - 4:00 PM

			plotting)	
23 July Mon	Discussion on assignments given last week	10:30 AM -12:30 PM	Lab-7(Electronic properties-DOS)	1:30 PM - 4:00 PM
24 July Tue	Band theory of solids and classifications of materials	10:30 AM -12:30 PM	Lab-8(Electronic properties PDOS, COOP)	1:30 PM - 4:00 PM
25 July Wed	2 and 3 terminal devices	10:30 AM -12:30 PM	Lab-9(Electronic properties of Charge density and band diagrams	1:30 PM - 4:00 PM
26 July Thu	2D Materials - Overview	10:30 AM -12:30 PM	Lab-10.(Effect of doping and electric field on 2D materials)	1:30 PM - 4:00 PM
27 July Fri	Mechanical Properties of materials	10:30 AM -12:30 PM	Lab-11.(Effect of defects and strain on 2D materials)	1:30 PM - 4:00 PM
28 July Sat	Optical Properties and valedictory session.	10:30 AM -12:30 PM	Lab-12(Input file for optical properties, to run and plotting)	1:30 PM - 4:00 PM

In this training workshop students learned about theoretical and computational aspects of material science adopting different properties. Computer experiments were given emphasis to keep ready for further project work in 4th sem of the students. In the last day of workshop some recent topics of material properties and devices were allotted to them for project work.

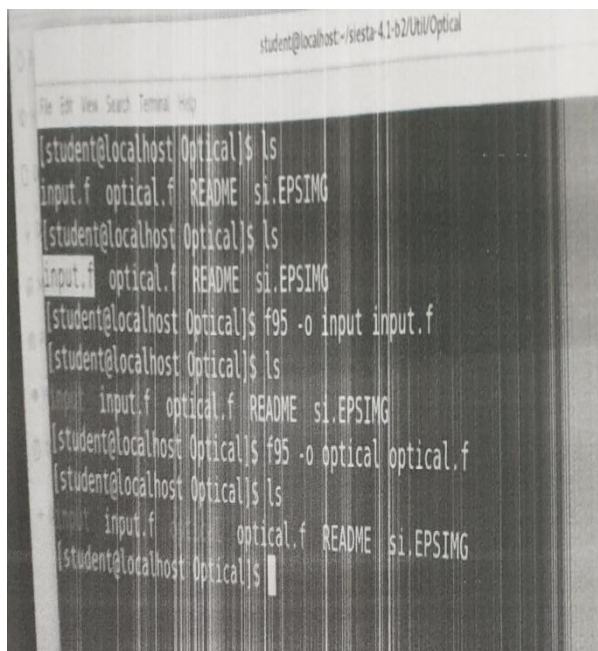
We are grateful to Dr. P.B. Deshmukh, Director for giving permission for this workshop and encourage us for further work in the field of modeling. We are also thankful to Mrs. Jaya Mishra President SGES for providing facilities. Special Thanks to Dr Anjali Avadhiya HoD Physics Department Science College Raipur for permitting the students to attend the workshop.

Theory Lecture By: (I) Dr Mohan L Verma (Mentor of workshop and HoD Dept of Applied Physics)

(ii) Dr B Keshav Rao (Associate Professor Dept of Applied Physics)

Computational Experiments helping hands : Rachna Singh, Harsha Verma (Research Scholars CNIRL)

Some Glimpse



ATTENDANCE RECORD

M. S. - III - 2017-18

Roll No.	Name	Signature	Date
173701	Rita Deshmukh		
702	Anshika Jha		
703	Chandrabhat Vaidya		
704	Ganesh Verma		
705	Jharna Sahas		
706	Lakshman Singh		
707	Manish Kumar		
708			
709	Neha Verma		
710	Pooja Deshmukh		
711	Pooja Deshmukh		
712	Pooja Deshmukh		
713	Sachin Singh		
714	Sachin Singh		
715	Sachin Singh		
716	Shruti Gupta		
717	Sushmita Ghoshal		
718	Sushmita Ghoshal		
719	Sushmita Ghoshal		
720	Sushmita Ghoshal		

Dr P B Deshmukh
(Director)

Dr Mohan L Verma
(HoD)

SHANKARCHARYA TECHNICAL CAMPUS
JUNWANI, BHILAI

Department of Physics
Govt. NPG College of Sciences
RAIPUR (C. G.)

M. Sc. (PHYSICS)
SEMESTER - III (July -2018)

Lab. Course
Condensed Matter Physics and Materials Modeling

Time : 5 Hrs.

Total Marks - 100

1.	Experiment	
2.	Viva Voce	60
3.	Sessional	20
		20

List of Practical : Condensed Matter Physics

- To study the variation of thermo e.m.f. with temperature for the copper iron thermocouple.
- To determine the wavelength of laser with the help of grating.
- To determine the temperature coefficient of resistance of platinum wire with the help of Wheatstone bridge.
- To determine the specific resistance and the energy band gap of a semiconductor.
- Dispersion relation of the monatomic and diatomic (lattice dynamics).
- To determine the braise lattice and point group.
- To study the characteristics of JFET.
- To study the characteristics of MOSFET.
- Characteristics of solar cell :-
 - 1. to find efficiency of solar cell inverter.
 - 2. I-V characteristic .
 - 3. to find intensity in different directions.
- Characteristics of solar mobile charger: -
 - 1. Efficiency of solar mobile charger.
 - 2. I-V characteristics

List of Practical : Materials Modeling

1. To creat input file for H2O molecule using Jmol and/or avogadro and run to find optimum energy of the system.[Students can also take pseudopotential files and H2O.fdf from <https://departments.icmab.cs/iccmm/siesta/> and test directory of siesta program]
2. To compile eig2dos, gnubands, pdosxml, rho2xsf using fortran compilers and run sample files to verify the compiled utilities.
3. To optimize basis sets and correlations functions using test example of H2O molecule.
4. To optimize the structure of CH4 using mesh-cutoff, kpints and lattice-optimization routes.
5. To study DOS PDOS and energy bands of CH4.
6. To optimize the structure and study the charge density using eig2dos of graphene nanoribons.
7. To analysis the band structure of MgO and calculate direct indirect band gaps at various symmetry points.
8. To study the magnetic properties of Fe2O3 using spin-polarized technique.
9. To study the optical properties of crystal strutured CdS.

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Shakti



Educational CIPET Visit



Entrepreneurship Program

Govt. NPG College of Science Raipur(C.G.)

Department of Physics

MSc. 3rd Sem CIPET Project session 2018-19

No.	Name	Project title	Supervisor	Collaborator	Under guidance
1.	Ekta prajapati	Testing the various properties of HDPE	Dr. S.K. Jain (HOD of Testing) Gokul kurawale	CIPET	Dr. Anjali Oudhia
2.	Anshika jha	Testing the properties of ABS	Dr. S.K. Jain (HOD of Testing) Gokul kurawale	CIPET	Dr. Anjali Oudhia
3.	Chandrakant devdas	Testing the physical properties of polypropylene	Dr. S.K. Jain (HOD of Testing) Gokul kurawale	CIPET	Dr. Anjali Oudhia
4.	Ekta prajapati	Testing the various properties of HDPE	Dr. S.K. Jain (HOD of Testing) Gokul kurawale	CIPET	Dr. Anjali Oudhia
5.	Mayuri mishra	Testing the properties of ABS	Dr. S.K. Jain (HOD of Testing) Gokul kurawale	CIPET	Dr. Anjali Oudhia
6.	Nidhi verma	Testing the properties of ABS	Dr. S.K. Jain (HOD of Testing) Dr. Gokul kurawale	CIPET	Dr. Anjali Oudhia
7.	Pooja dewangan	Testing the thermal	Dr. S.K. Jain (HOD of	CIPET	Dr. Anjali Oudhia

Contd.


Govt. NPG College of Science Raipur(C.G.)

Department of Physics

MSc. 3rd Sem CIPET Project session 2018-19

		properties of PVC	Testing) Gokul kurawale		
8.	Prafull sahu	Testing the mechanical properties of polypropylene	Dr. S.K. Jain (HOD of Testing) Gokul kurawale	CIPET	Dr. Anjali Oudhia
9.	Sachin sahu	Testing the Thermal properties of polypropylene	Dr. S.K. Jain (HOD of Testing) Gokul kurawale	CIPET	Dr. Anjali Oudhia
10.	Sakshi pandey	Testing the physical properties of PVC	Dr. S.K. Jain (HOD of Testing) Gokul kurawale	CIPET	Dr. Anjali Oudhia

These projects were submitted as a part of M.Sc. Curriculum carrying 200 marks under the MoU signed between the Department of Physics, Govt. NPG College of Science, Raipur (C.G.) and Central Institute of Plastic Engineering and Technology (CIPET), Raipur for the session 2018-19.


HOD,
Dept of Physics,
Govt NPG College of Science, Raipur


Director
CIPET, Raipur




Govt. NPG College of Science Raipur(C.G.)

Department of Physics

MSc. 3rd Sem CIPET Project session 2019-20

No.	Name	Project title	Supervisor	Collaborator	Guidance
01.	Tridev Baghel	Testing various properties of HDPE	Dr.S.K.Jain Gokul kurawale	CIPET	Dr.Anjali Oudhia
02.	Mukesh Kumar	Testing the properties of ABS	Dr.S.K.Jain Gokul kurawale	CIPET	Dr.Anjali Oudhia
03.	Sandeep Dewangan	Testing the physical properties of polypropylene	Dr.S.K.Jain Gokul kurawale	CIPET	Dr.Anjali Oudhia
04.	Shailendra Singh	Testing the properties of ABS	Dr.S.K.Jain Gokul kurawale	CIPET	Dr.Anjali Oudhia
05.	Rahul Netam	Testing the thermal properties of PVC	Dr.S.K.Jain Gokul kurawale	CIPET	Dr.Anjali Oudhia
06.	Bhisam Kumar	Testing the mechanical properties of polypropylene	Dr.S.K.Jain Gokul kurawale	CIPET	Dr.Anjali Oudhia
07.	Gitanjali Sahu	Testing the thermal properties of polypropylene	Dr.S.K.Jain Gokul kurawale	CIPET	Dr.Anjali Oudhia
08.	Sonali Verma	Testing the various properties of HDPE	Dr.S.K.Jain Gokul kurawale	CIPET	Dr.Anjali Oudhia
09.	Kanchan Permandan	Testing the properties of ABS	Dr.S.K.Jain Gokul kurawale	CIPET	Dr.Anjali Oudhia

These projects were assigned to M. Sc. Third SEM students, as a part of M.Sc. Curriculum carrying 200 marks under the MoU signed between the Department of Physics, Govt. NPG College of Science, Raipur (C.G.) and Central Institute of Plastic Engineering and Technology (CIPET), Raipur for the session 2019-20.


HOD,
Department of Physics,
Govt. NPG College of Science,
Raipur


Director
CIPET, Raipur

