

# **MOU**

**INFLIBNET, GANDHINAGAR 2020**

MANOJ KUMAR K.  
Scientist-D

## Information and Library Network Centre

(An Autonomous Inter-University Centre of UGC)

### सूचना एवं पुस्तकालय नेटवर्क केन्द्र

(विश्वविद्यालय अनुदान आयोग का स्वायत्त अंतर विश्वविद्यालय केन्द्र)

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# INFLIBNET Centre

## Memorandum of Understanding (MoU) for Shodhganga/Shodhgangotri (A Repository of Theses and Dissertations submitted to the Universities in India)

This Memorandum of Understanding (MoU) is made and entered into on 05 (Day) 03 (Month) 2020 (Year) between the INFLIBNET Centre, an IUC of University Grants Commission located at Gandhinagar, hereinafter referred to as "INFLIBNET" and Jai Narain Vyas University, Jodhpur (University / Deemed University / Inter-University Centre), here in after referred to as the 'University'.

WHEREAS, INFLIBNET Centre, an Inter-university Centre of the University Grants Commission, as its mandate, promotes open access to scholarly content generated in universities. The Centre has computers, network, software infrastructure and technical know-how required for hosting electronic versions of theses and dissertations in open access with interface to search, retrieve and access these content.

Jai Narain Vyas University, Jodhpur (Rajasthan) (University / Deemed University / Inter University Centre) has agreed to take part in the process of digitisation of old theses and dissertations (not available in computerized machine-readable format) and building-up of digital repository and to promote, share and host its ETD in 'Shodhganga: A reservoir of Indian theses submitted to the Universities in India' and other universities in open access. 'Shodhganga' is a name coined by INFLIBNET Centre for referring to the repository of Indian Electronic Theses and Dissertations. The word "Shodh" originates from Sanskrit and stands for research and discovery. The 'Ganga' is the holiest, longest and largest river in Indian subcontinent which has held heart of its people captive and drawn millions of people to its banks since the dawn of history. The Ganga is the symbol of India's age-long culture and civilization, ever changing, ever flowing, ever loved and revered by its people. "Shodhganga", a repository of theses and dissertations submitted to Indian universities, is expected to keep growing to a formidable size as more and more researchers from India submit their research works to this ever growing reservoir. Under the initiative called "Shodhgangotri", research scholars / research supervisors in universities are requested to deposit electronic version of approved synopsis submitted by research scholars to the universities for registering themselves for the Ph.D programme.


This Memorandum of Understanding (MoU) defines responsibilities, liabilities and commitments of the institutions involved to ensure proper system implementation, to meet the objectives pertaining to submission and access to Electronic Theses and Dissertations as envisaged by the UGC vide its Notification (Minimum Standards & Procedure for Award of M.Phil/Ph.D Degree), Regulation, 2009 dated 1st June, 2009 / amendment made on 5<sup>th</sup> May 2016.

NOW, THEREFORE, in consideration of the mutual agreements herein contained, INFLIBNET and the University agree to the following terms and conditions:

### I. INFLIBNET Centre

1. Provide access to ETD hosting server(s) at the INFLIBNET Centre 'Shodhganga'/Shodhgangotri' to the University with accompanied software interface enabling University / its student to create metadata and upload their theses and dissertations in ETD repositories designed for this purpose. The INFLIBNET will take the responsibility of keeping the data intact and usable, keep back-up of the data so as to avoid its loss. The INFLIBNET will deploy

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Chairperson  
Library Board,  
J.N.V. University  
JODHPUR

  
Registrar  
Jai Narain Vyas University  
Jodhpur

  
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tools and techniques of digital preservation to ensure continuing access to scholarly content in digital formats and to protect them from media failure, physical loss and obsolescence.

2. Recommend to the UGC to extend financial assistance to the Universities under Sections 12(B) and 2(f) of UGC Act for digitization of theses and dissertations not available in computerized machine-readable format and / or for procurement and installation of a suitable computer system / infrastructure for creation of ETDs.
3. Provide configuration of system, specifications and technical guidance to the University for procurement of computer hardware and related systems for setting-up of ETDs.
4. Provide guidelines, technical standards and specifications for digitization of Ph.D. theses submitted to the university in past and for theses not available in computerized machine-readable format.
5. Impart training to at least one person from the university (from library field and / or from computer field) in creation, updation and computerized operation of digital repositories of ETDs especially on 'Shodhganga'.
6. Extend access to an anti-plagiarism software or provide services to evaluate theses for possible plagiarism and submit a report to the concerned university.
7. The INFLIBNET may refuse to host any material deemed by the INFLIBNET to be controversial in nature or is in violation of copyright act.
8. This right of refusal will not relieve the University / Ph.D. scholar of liability, both to INFLIBNET and to the public, for matter contained in the theses that may be libelous or actionable and to both INFLIBNET and copyright owners for copyright infringement by the Ph.D. Scholar.
9. The INFLIBNET Centre will not be responsible for i) errors, omissions, inaccuracies and quality of content or misinformation or for any damages caused to the user or any third party from the use of content provided in the theses; ii) safety and archiving of loaded content in cases of "force majeure" including natural calamities; and iii) printed version of theses.
10. INFLIBNET Centre will recommend or provide access to plagiarism software which university may use to detect plagiarism before awarding the degree.
11. The INFLIBNET Centre replicates the content of theses and dissertations on different server and other auxiliary storage media. However, the INFLIBNET Centre does not take the responsibility for the archiving or backing-up of loaded content. The universities, therefore, should also keep a back-up of their theses and dissertations.

*The*  
Chairman  
Library Board,  
J.N.V. University  
JODHPUR

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*(Signature)*  
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*(Signature)*  
Registrar  
Jai Narain Vyas University  
Jodhpur



12. INFLIBNET Centre also maintains a repository called "Shodhgangotri" for hosting the approved synopses of research topic submitted to the universities by the students for registering themselves under the doctoral programme. Research students/their supervisors are encouraged to submit approved synopses/research proposals and register their priority on a research proposal through the repository.

## II. The University

1. The University would grant non-exclusive worldwide license to the INFLIBNET Centre for hosting and distributing their theses in digital format in 'Shodhganga'/'Shodhgangotri' or any other server designated for this purpose.
2. The University / its researcher scholars agree to host / upload a computerized machine-readable file in mutually agreed format of all theses on to the 'Shodhganga'/'Shodhgangotri' server at the INFLIBNET.
3. The University will not hold INFLIBNET Centre responsible for any errors and omissions contained in the original theses.
4. The University commits to digitize theses and dissertations and their bibliographic records submitted to the university and provide necessary infrastructure including manpower support for operation of ETDs.
5. Commits to utilize the assistance provided by the UGC on recommendation of the INFLIBNET for implementation of ETDs including their digitization.
6. Deputes at least one person from the university (from library field or from computer field) for undergoing training on implementation of ETD organized by the INFLIBNET and ensure that the person trained by INFLIBNET on ETD is / are deployed for the same job.
7. Arranges to provide training to research scholars or users of its library and staff of colleges affiliated to University in creation of electronic version of theses and their deposition in the ETDs.
8. Ensures use of standard software and metadata schema suggested / provided by the INFLIBNET for setting-up / development / operation of its ETDs .
9. Creates bibliographic records of all theses and dissertations submitted to the university in standard bibliographic formats prescribed by the INFLIBNET Centre from time-to-time and contributes these records for inclusion in the INFLIBNET's Union Catalogue (IndCat).
10. Commits to sharing of library ETD resources / databases with the INFLIBNET Centre as well as with other universities.

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*The*  
Chairman  
Library Board,  
J.N.V. University  
JODHPUR

*h*  
Registrar  
Jai Narain Vyas University  
Jodhpur

*[Signature]*  
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11. The University would agree to host their ETDs in the digital repositories 'Shodhganga or other servers' set-up at the INFLIBNET Centre, and grant non-exclusive licence to the Centre to make electronic version of theses in full-text (theses that are born digital as well as those that are digitized using scanners / digital cameras) accessible through open access ETD.
12. The University shall not use electronic version of theses digitized using funds given by the UGC for any commercial purposes. The University shall not rent, sell or license the use of or deliver or release or otherwise part with the possession of the systems / software or the INFLIBNET ETDs databases, Shodhganga or any part thereof to any other party (individual, institution, organization, etc.)
13. The University will also commit their own funds or grants for fulfillment of the project, if the project on implementation of ETDs demands more resources and funds to complete it.
14. The University will use the plagiarism software recommended by the INFLIBNET and made accessible to test the thesis submitted by the student for plagiarism before awarding the Degree. If the university is not subscribing to such software, it will use the software from the nearest Regional Centre, if any.
15. University would encourage and ensure that Research Scholars/ Research Supervisors deposit host their approved Research Proposals/ approved synopses on the "Shodhgangotri" once Ph.D. is registered.

### 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. Upon termination of this Agreement, the INFLIBNET / University will stop hosting their theses immediately while keeping the theses already deposited by the University in its archives for its users. The University shall stop using the INFLIBNET's ETD facilities and databases and return any software / hardware or digitized content provided by or through the INFLIBNET, back to INFLIBNET within the 3 months notice period.

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

UNIVERSITY:

Vice Chancellor / Registrar  
or designated authority

**Jai Narain Vyas University**

(Name, Signature and Stamp)

INFLIBNET:

Prof J P Singh Joorel,  
Director

INFLIBNET Centre,

An IUC of University Grants Commission  
Infocity, Gandhinagar - 382 007.



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# **TWINNING ACTIVITY**

**CIT, COIMBTORE 2020**

A  
Report On  
Two Weeks Training Program  
On

**SMART GRID TECHNOLOGIES**

As A Part Of Twinning Activity Under TEQIP-III, NPIU, MHRD,  
Government Of India

Organized By



Department Of Electrical And Electronics Engineering

Coimbatore Institute Of Technology,

Coimbatore- 641 014.

30.12.2019 – 10.01.2020

Submitted To:-



Department Of Electrical Engineering

MBM Engineering College Jodhpur

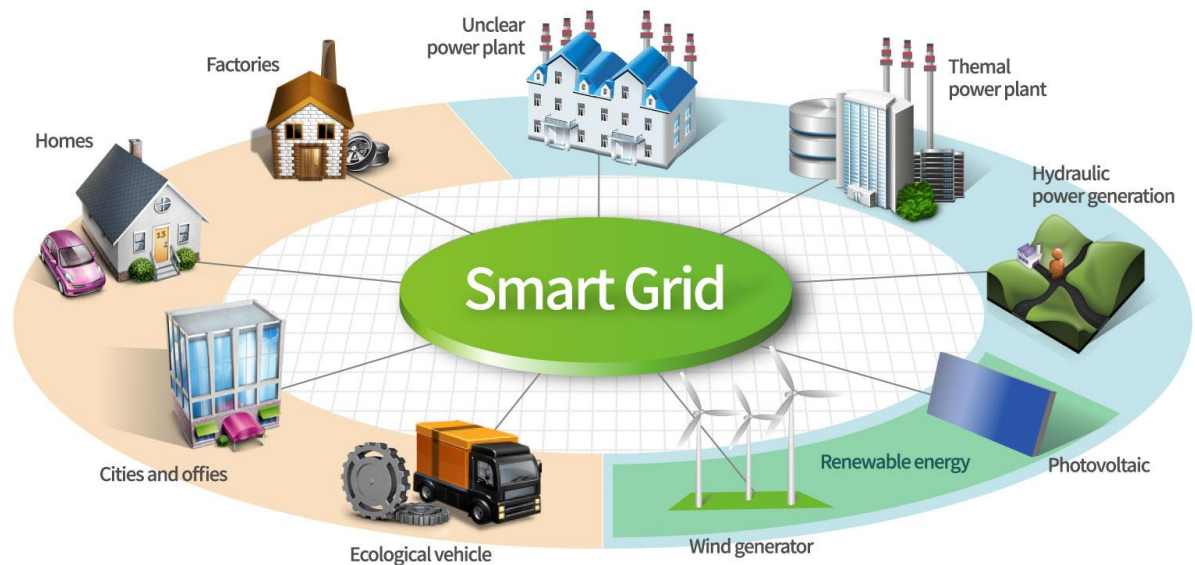
# Course Contents

- Introduction to smart grid
- Fundamentals of solar photovoltaic
- Design of solar PV system design
- Wind energy conversion system
- Plug in hybrid electrical vehicles in smart grid
- Energy storage technologies
- Demand response management
- Protection in smart grid
- Distribution system automation
- Communication technologies for smart grid
- Cyber , physical and system security of smart grid
- AI and ML in smart grid
- Data analytics in smart grid
- Distribution business and power trading
- Hands on training of solar PV cell Fabrication
- Hands on training of the characteristics of solar PV module
- ARM and IoT laboratory
- Industrial visit to solar PV plant and wind farm

# Introduction to Smart Grid

(30/12/2019) By Dr.V. Manikandan

“Prepare for an electric system that is cleaner and more efficient, reliable, resilient and responsive” – a smart grid.



- Electric industries make the transformation from a centralized, producer-controlled network to one that is less centralized and more consumer-interactive.
- This promises to change the industry's entire business model and its relationship with
  - ✓ all stakeholders
  - ✓ utilities
  - ✓ regulators
  - ✓ energy service providers
  - ✓ technology and automation vendors
  - ✓ all consumers of electric power



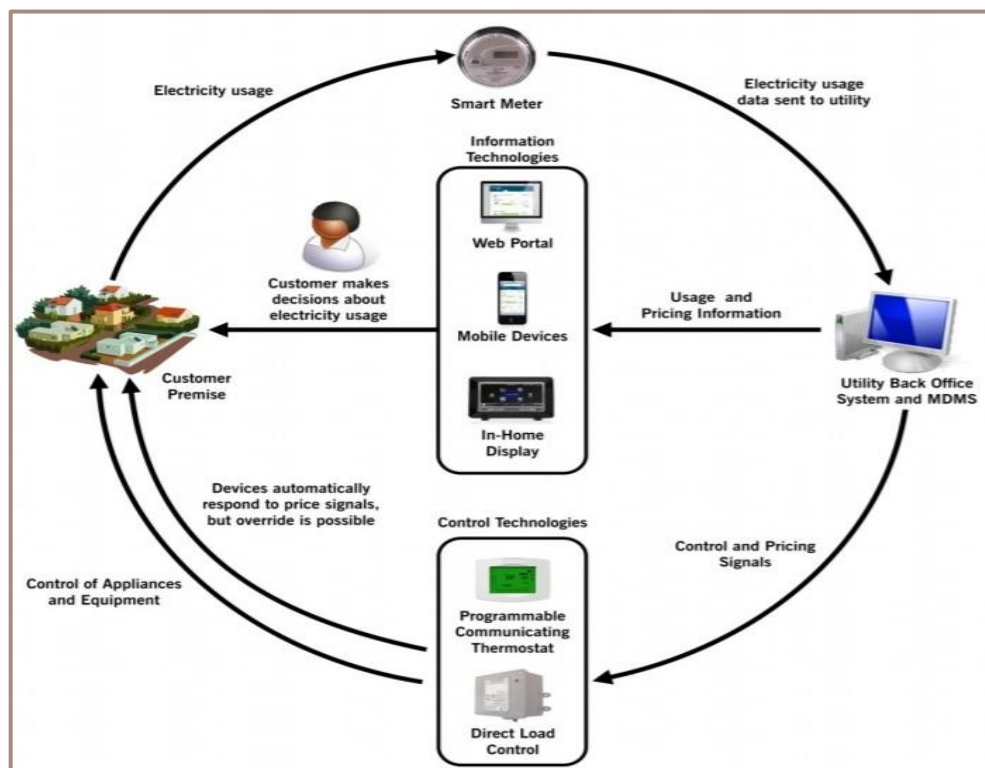
- A smart grid makes this transformation possible by bringing *concepts and technologies that enabled the internet to the utility and the electric grid.*

### Concepts in Action

- Two-way Digital Communication
- Enabling Technologies
- Plug-and-Play Capabilities
- Interoperability Based on Standards,
- Low-Cost Communication and Electronics

### Advanced Metering Infrastructure (AMI)

- An approach to integrating consumers based upon the development of open standards.
- Consumers with the ability to use electricity more efficiently
- Utilities with the ability to detect problems on their systems and operate them more efficiently.
- AMI enables consumer-friendly efficiency concepts like “Prices to Devices”



# Fundamental Of Solar Photovoltaics

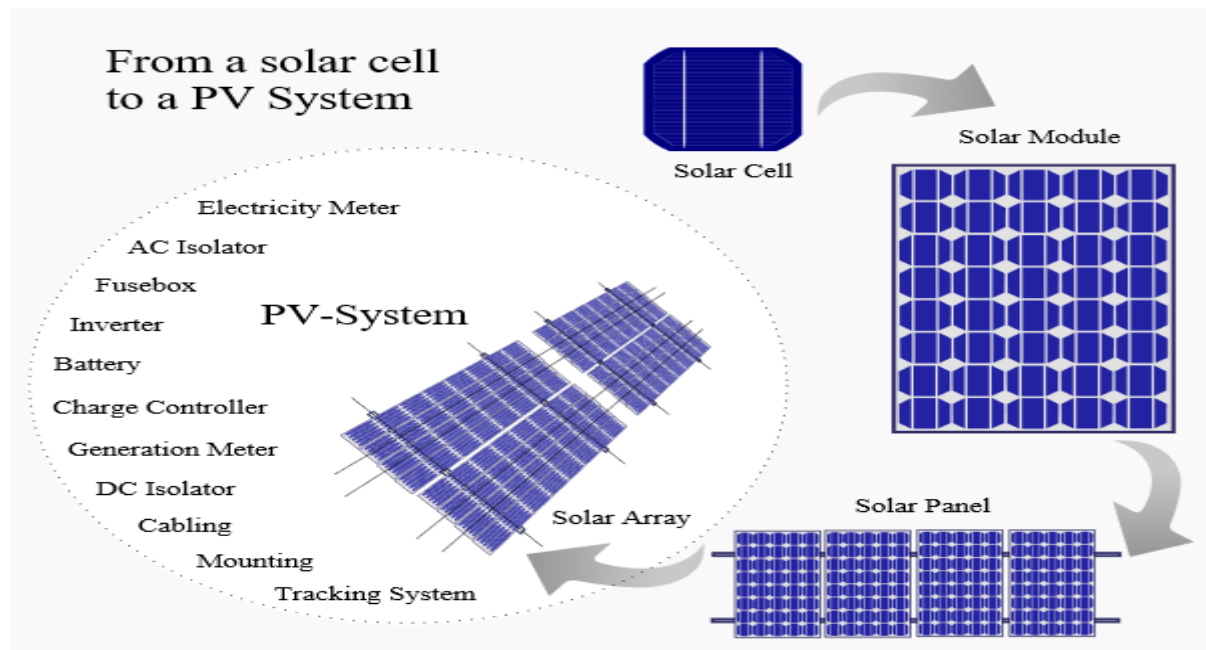
(30/12/2019) By Dr.E.Chandira shekhran

Photovoltaics (PV) is the conversion of light into electricity using semiconducting materials that exhibit the photovoltaic effect, a phenomenon studied in physics, photochemistry, and electrochemistry.

PV has become the cheapest source of electrical power in regions with a high potential in 2020. Panel prices have dropped by the factor of 10 within a decade. This competitiveness opens the path to a global transition to sustainable energy which would be required help to mitigate global warming.

2 to meet the 1.5 degree target would be used up in 2028 if emissions remain on the current level. However, the use of PV as a main source requires energy storage systems or global distribution by High-voltage direct current power lines causing additional costs.

Solar PV has specific advantages as an energy source: once installed, its operation generates no pollution and no greenhouse gas emissions, it shows simple scalability in respect of power needs and silicon has large availability in the Earth's crust.



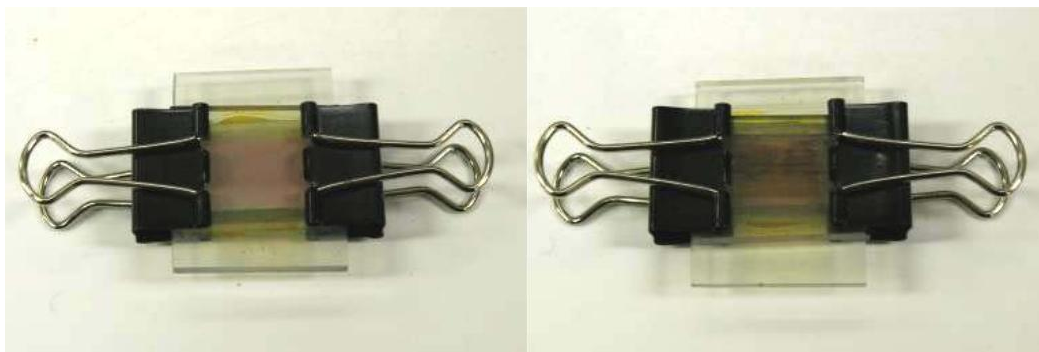
# **Hands on Training of the Solar PV cell fabrication**

**(30/12/2019)**

## **Fabrication procedure of dye-sensitized solar cells**

### **Materials**

- ITO(Indium doped Tin Oxide) glass (2 x 2 cm, 2 slides for 1 cell)
- Dye (Eosin Y, Eosin B, etc.)
- Ethanol
- $\text{TiO}_2$  paste
  - Suspend 3.5g of  $\text{TiO}_2$  nano-powder P25 in 15ml of ethanol.
  - Sonicate it at least for 30 min.
  - Add 0.5ml of titanium(IV) tetraisopropoxide into the suspension.
  - Mix until the suspension is uniform.
- Liquid electrolyte
  - 0.5M lithium iodide and 0.05M iodine in acetonitrile.  $\gamma$ -Butyrolactone or 3-methoxypropionitrile is also recommended as a solvent to improve its volatility.
- Binder clips (small, 2 pieces for 1 cell)



Front side ( $\text{TiO}_2$ /dye electrode)      Back side (counter electrode side)

## Equipment

- Light source (OHP, Halogen lamp, Xe lamp, etc.)
- Cables
- Variable resistance  
(or switchable fixed resistances

ex. 50, 100, 200, 500, 800, 1k, 2k, 5k, 10k, 20k, 40k, 80k, 100k, 200k, 400k and 800k $\Omega$ )

- Voltmeter

1. Connect solar cell, variable resistance and voltmeter with cables.
2. Shine the light from the side of  $\text{TiO}_2$ /dye electrode.

(Note; Light intensity has to be known in advance to calculate power conversion efficiency. It can be measured by a power meter or a calibrated photodiode.)

3. Set the resistance at maximum value and record voltage.
4. Decrease the resistance and record voltage.
5. Repeat 4 until the voltage reaches nearly zero and turn the light off.

6. Calculate corresponding current at each recorded point.

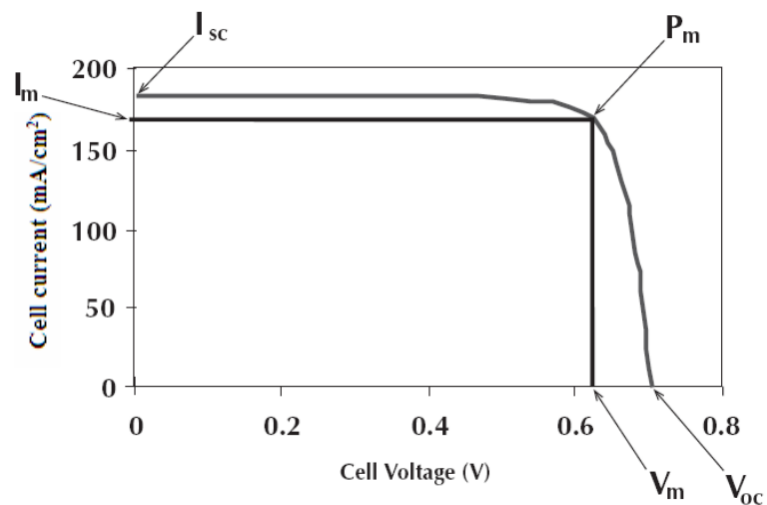
$$I = V/R$$

7. Plot voltage (X-axis) vs current (Y-axis).

8. Plot voltage (X-axis) vs power (Y-axis) to find  $P_m$ .

9. Calculate fill-factor (ff).

$$ff = \frac{I_m \times V_m}{I_{sc} \times V_{oc}} = \frac{P_m}{I_{sc} \times V_{oc}}$$



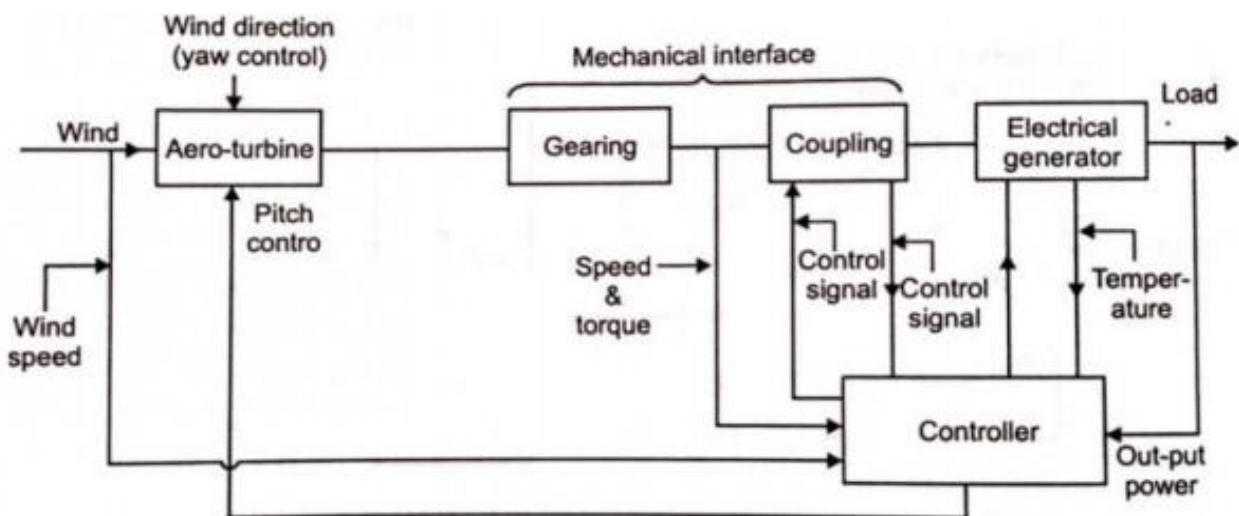
I-V characteristics of a typical solar cell

# Wind Energy Conversion System

(31/12/2019)By Dr.J.Devishree

Wind power production has been under the main focus for the past decade in power production and tremendous amount of research work is going on renewable energy, specifically on wind power extraction. Wind power provides an ecofriendly power generation and helps to meet the national energy demand when there is a diminishing trend in terms of non-renewable resources.

The wind energy conversion system (WECS) includes wind turbines, generators, control system, interconnection apparatus. Wind Turbines are mainly classified into horizontal axis wind turbines (HAWT) and vertical axis wind turbines (VAWT). Modern wind turbines use HAWT with two or three blades and operate either downwind or upwind configuration. This HAWT can be designed for a constant speed application or for the variable speed operation. Among these two types variable speed wind turbine has high efficiency with reduced mechanical stress and less noise. Variable speed turbines produce more power than constant speed type, comparatively, but it needs sophisticated power converters control equipments to provide fixed frequency and constant power factor



# **Cyber , Physical and System Security of Smart Grid**

**(31/12/2019) By Dr. M. Sangeeta**

## **Cyber:**

Cyber refers to imaginary space, which is created when the electronic

devices communicate, like network of computers.

## **Cyber Crime:**

Cyber Crime is nothing but where the computer used as an object or subject of crime.

There are three types of hackers:

- White
- Black
- Grey (W+B)

Traditionally, power grid automation systems have been physically isolated from the corporate network. This has been changing, perhaps due to the cost effectiveness of utilizing public networks. Using public networks considerably increases the vulnerability of power grids to cyber attacks by increasing the exposure surface of these networks.

## **Design Principle:-**

Three layers:

- Power
- Automation & Control
- Security

➤ Provides clear demarcation of control and security functionalities.

- Scalability: security performance remain unabated with increase in load and system volume.
- Extendibility: able to handle any future state of power grid.
- Can be integrated into the existing, legacy systems in a non-intrusive fashion.



# **Plug In Hybrid Electrical Vehicles In Smart Grid**

**(31/12/2019) By Dr. G. Manavlan**

The Plug-in Electric Vehicles (PEVs) are the Battery Electric Vehicles (BEVs) and Plug-in Hybrid Electric Vehicles (PHEVs). PEVs will dominate the transportation in the personal mobility mode and in the automobile market by 2030. Widespread adoption of PEVs brings potential, social and economic benefits. The focus on promoting use of electric vehicles in road transportation is very essential to meet the climate change targets and manage the ever hiking prices of fast depleting fossil fuels. However, there are lots of uncertainties in the market about the acceptability of PEVs by customers due to the capital and operation costs and inadequate infrastructure for charging systems. The penetration level in the market is not encouraging, in spite of incentives offered by Governments. Manufacturers are also not sure of the market, even though predictions are strong and attractive. Major manufacturers, however, are already ready with their plans to introduce electric vehicles to mass market. The use of PEVs has both technological and market issues and impacts. Series of research works have been reported to address the issues related to technologies and its impacts on political, economic, environmental, infrastructural and market potential aspects. Works dealing with suitable infrastructure such as charging stations and use of smart grids are reported. These steps are aimed to bring down the capital and operational costs that are comparable to the costing of conventional transport vehicles. The penetration level of PEVs in transportation will accordingly increase and keep the climate targets met and conserve fossil fuels for use in other economic segments.

# **Energy Storage Technologies**

**(31/12/2019) By Prof. S. Elango**

Energy storage technologies involve the process of converting energy that is difficult to store to more conveniently or economically storable forms. A variety of energy storage systems are available and the efficiency of the system mainly depends upon the identification and implementation of the right system based on the parameters such as storage capacity, cost, reliability, size and lifetime.

Another most important factor to be considered is the environmental impact.

Based on the storage period, the energy storage system can be classified as follows,

## **Long-term energy storage system:**

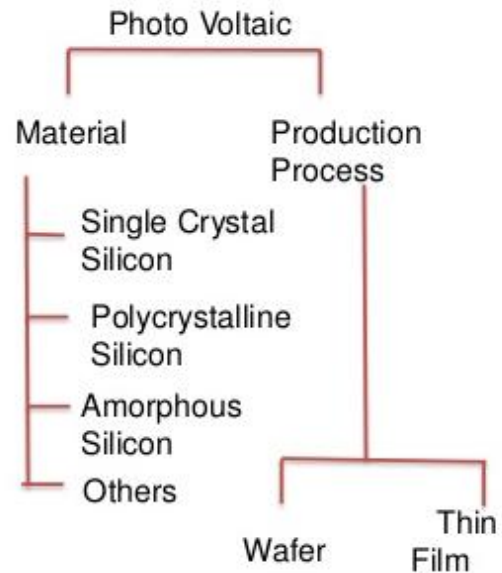
- 1) Compressed air energy storage,
- 2) Battery,
- 3) Hydrogen storage.

## **Short-term energy storage system:**

- 1) Super capacitor,
- 2) Flywheel

# Design of solar PV system design

(02/01/2020) By Dr. E. Chaindra Shekhar



**Cell:** The basic photovoltaic device that is the building block for PV modules.

**Module:** A group of PV cells connected in series and/or parallel and encapsulated in an environmentally protective laminate.

**Panel:** A structural group of modules that is the basic building block of a PV array.

**Array:** A group of panels that comprises the complete direct current PV generating unit.

**Inverter:** Inverters take care of four basic tasks of power conditioning:

- Converting the DC power coming from the PV modules or battery bank to AC power
- Ensuring that the frequency of the AC cycles is 60 cycles per second
- Reducing voltage fluctuations
- Ensuring that the shape of the AC wave is appropriate for the application, i.e. a pure sine wave for grid-connected systems

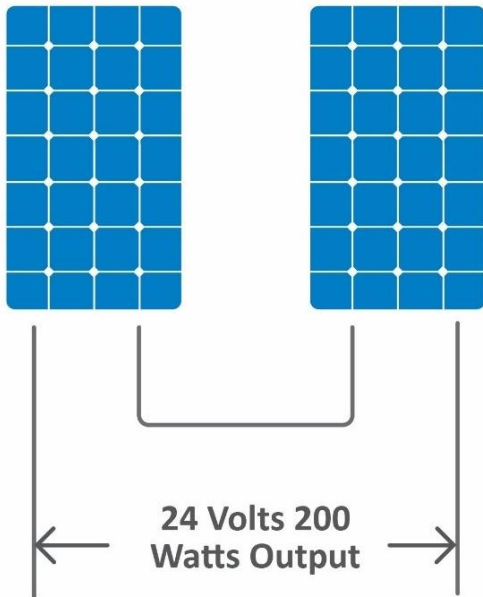
**System Components:** Pre-engineered photovoltaic systems can be purchased that come with all the components you will need, right down to the nuts and bolts. Any good dealer can size and specify systems for you, given a description of your site and needs. Nevertheless, familiarity with system components, the different types that are available, and criteria for making a selection is important.

Basic components of grid-connected PV systems with and without batteries are:

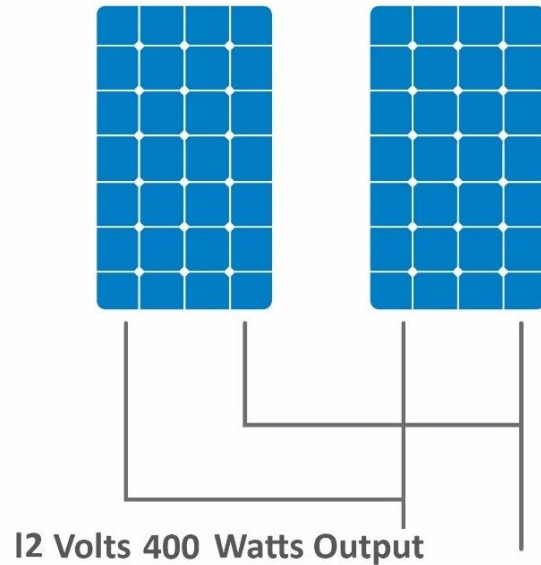
- Solar photovoltaic modules
- Array mounting racks
- Grounding equipment
- Combiner box
- Surge protection (often part of the combiner box)
- Inverter
- Meters – system meter and kilowatt-hour meter

# Hands On Training Of The Characteristics Of Solar PV Module

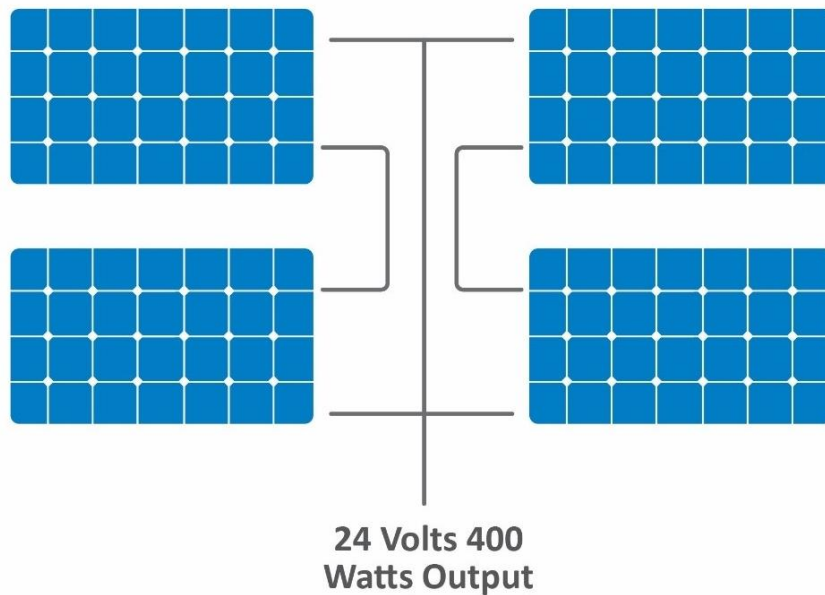
**Series Connection**



**Parallel Connection**



**Series - Parallel Connection**

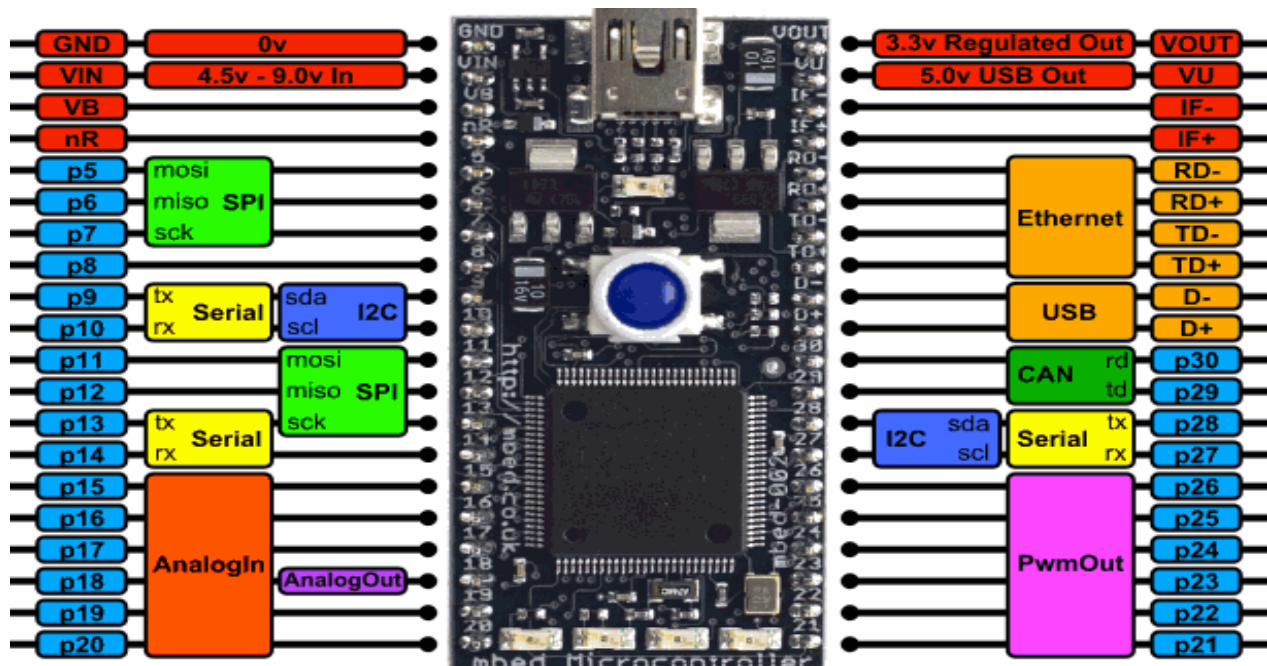


# ARM and IoT Laboratory

The Internet of Things (IoT) is a system of interrelated computing devices, mechanical and digital machines, objects, animals or people that are provided with unique identifiers (UIDs) and the ability to transfer data over a network without requiring human-to-human or human-to-computer interaction.

An embedded system is a computer system—a combination of a computer processor, computer memory, and input/output peripheral devices—that has a dedicated function within a larger mechanical or electrical system. It is *embedded* as part of a complete device often including electrical or electronic hardware and mechanical parts. Because an embedded system typically controls physical operations of the machine that it is embedded within, it often has real-time computing constraints. Embedded systems control many devices in common use today. Ninety-eight percent of all microprocessors manufactured are used in embedded systems.

The embedded system used in the hands-on experience was arm mbed LPC 1768.



# **Industrial Visit**

**(4/01/2020)**

## **1) Swelect Energy Ltd.**

Private solar energy park majorly used for research and development purpose. Plant size of 1.1MW and two types of panels are used over their :

- Cadmium telluride(thin film)
- Silicon PV(thin film)

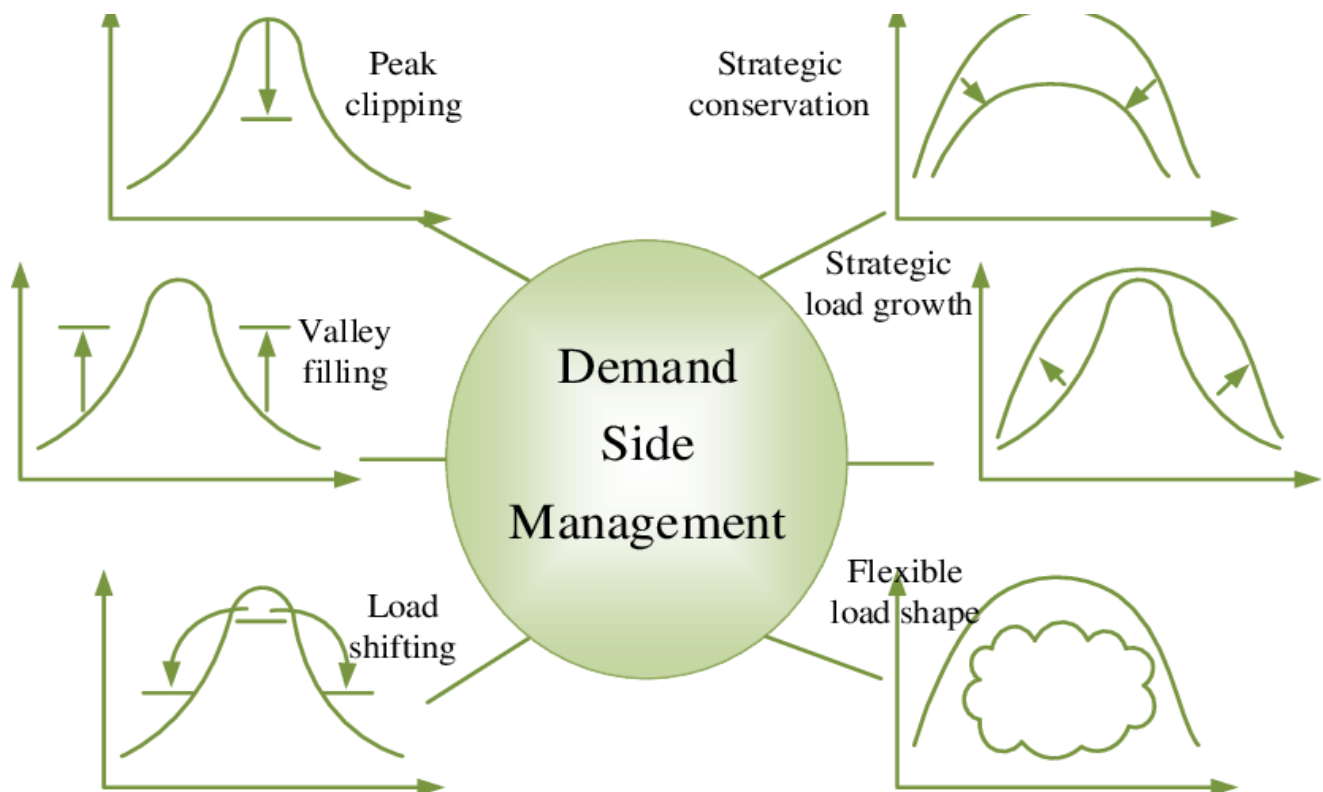
Plant uses solar tracking system with help of stepper motor and Solar irradiance meter. The plant also has a Zero Mass Water Source-SOURCE that machine is used to absorb moisture contains in air to make water to drink.

## **2) Swathi Wind Farm**



# Demand Response Management

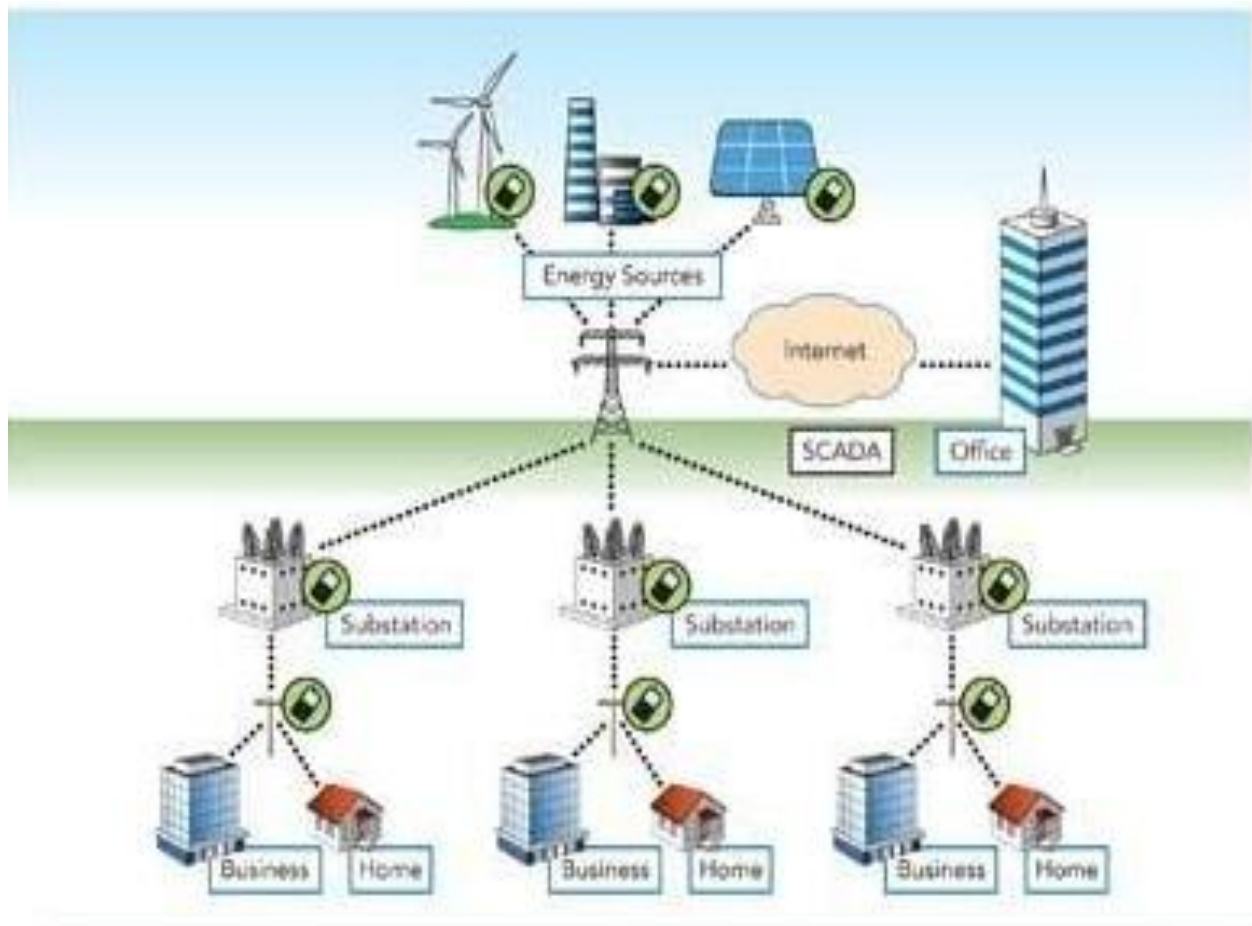
Demand response is a change in the power consumption of an electric utility customer to better match the demand for power with the supply. Until recently electric energy could not be easily stored, so utilities have traditionally matched demand and supply by throttling the production rate of their power plants, taking generating units on or off line, or importing power from other utilities. There are limits to what can be achieved on the supply side, because some generating units can take a long time to come up to full power, some units may be very expensive to operate, and demand can at times be greater than the capacity of all the available power plants put together. Demand response seeks to adjust the demand for power instead of adjusting the supply.





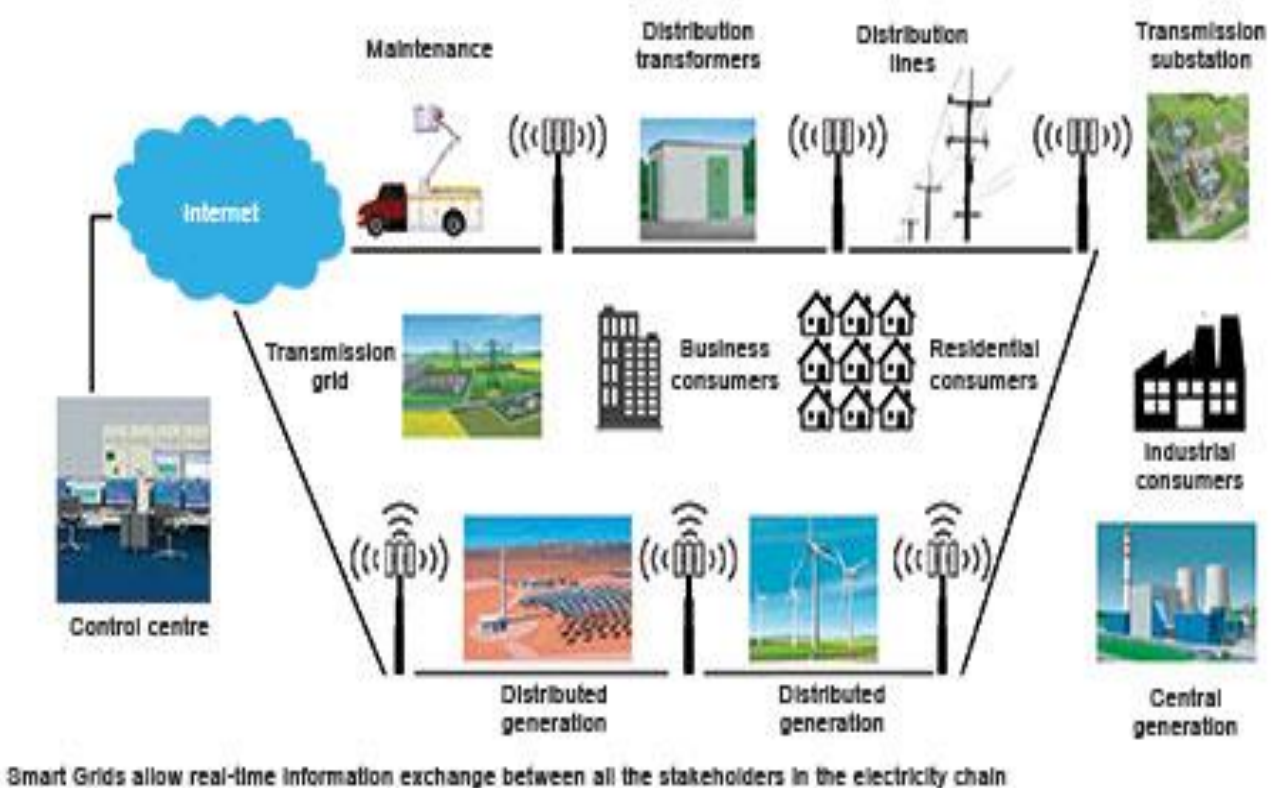
## Distribution System Automation

Distribution automation (DA) optimizes a utility's operations and directly improves the reliability of its distribution power system. Adding targeted distribution automation capabilities can be economical when they are an extension of your existing SCADA investments and the communication infrastructure. The success or failure of an automation program hinges on proper selection of equipment and communications to seamlessly integrate data into the utility control room. The key is to choose equipment that leverages your current assets wherever possible. With the latest in high speed communication technology, there has never been a better time for utilities to extend their automation beyond the substation.



## Communication Technologies For Smart Grid

The smart grid is a new generation of standard power distribution grid. The communication infrastructure is critical for the successful operation of the modern smart grids. The use of communication technologies ensures the reduction of energy consumption, optimal operation of the smart grid and coordination between all smart grids' components from generation to the end users. The Smart Grid can be defined as an electric system that uses information, two-way, cyber-secure communication technologies, and computational intelligence in an integrated fashion across the entire spectrum of the energy system from the generation to the end points of consumption. The availability of new technologies such as distributed sensors, two-way secure communications, advanced software for data management, and intelligent and autonomous controllers have opened up new opportunities for changing the energy system. The main objective is to develop a measurement science toward communication networking with the specific aim of strengthening modeling capabilities and determining the potential impact on critical infrastructure.



## **Protection In Smart Grid**

The smart grid brings opportunities and challenges to the power system protection and control. Fast advancement in communication and measurement techniques accelerates the development of wide-area protection, based on the wide-area measurement system. Smart microgrid is essential in modern power systems to supply electrical energy in abnormal conditions and ensure the continuity of power throughout the day under islanded mode. It is the simple power grid integrated with renewable energy sources, power modulators, and modern communication systems. This work is concentrated with various faults occurred in microgrid and its protection with digital relays. Smart Microgrid uses Solar and wind energy systems combined with AC grid and supplies energy via transmission and distribution network. On grid solar inverter is used to convert solar power in to AC power required for grid connection.

## **AI And ML In Smart Grid**

In recent years, there is a rush in Artificial Intelligence (AI) research to produce practical solutions for the Smart Grid, the anticipated new generation of energy (primarily electricity) networks that will be able to make efficient use of renewable energy sources, support real time and efficient demand response, as well as the large-scale deployment of electric vehicles (EVs). AI techniques and methodologies can be instrumental in addressing sustainability problems, for example to increase the efficiency and effectiveness of the way we manage and allocate our natural and societal resources. The drive to use AI for the Smart Grid has in turn led to novel questions and challenges for AI research, and to the realization that only the cross-fertilization of ideas and mixing of various techniques originating in different (sub-)fields can lead to the Holy Grail of an electricity Grid that takes full advantage of AI technologies to deliver power that is at the same time “green”, stable, affordable, and accessible to all. This Special Issue brings together research questions and approaches originating in different (sub-)fields – such as multiagent systems, machine learning, optimization, and statistics. As such, it provides an overview of a broad spectrum of ongoing Smart Grid research.

## **Data Analytics In Smart Grid**

Data analytics are now playing a more important role in the modern industrial systems. Driven by the development of information and communication technology, an information layer is now added to the conventional electricity transmission and distribution network for data collection, storage and analysis with the help of wide installation of smart meters and sensors.

With the fast development of digital technology and cloud computing, more and more data are produced through digital equipment and sensors, such as smart phones, computers, advanced measuring infrastructures, etc., as well as through human activities and communications. For instance, the size of data on the internet is now measured in exabytes ( $10^{18}$ ) and zettabytes ( $10^{21}$ ). Rational, effective and efficient analysis of these data brings huge value and benefit to our daily life and company activities. However, the collected data are mounting at an exponential growth, and the structure of them is also becoming much more complicated. The processing and analysis method of these large volume data is a new challenge but opportunity at the beginning of this century with the concept of “big data”

## **Conclusion**

Because of the potential importance of smart grid, this comprehensive survey explores the technologies used in smart grid. We have studied the main smart grid projects/programs/trials and three major technical systems smart grid: intelligent system infrastructure, intelligent management system, and intelligent protection system. We have outlined challenges and future research lines worth exploring for each of these three systems.

We divided further intelligent infrastructure into three subsystems: intelligent power subsystem, the subsystem of intelligent information, and intelligent communication subsystem. For intelligent energy subsystem, we have reviewed the work of generation, transmission, and distribution. We have also described two important new paradigms of the grid: microgrid and G2V/V2G. For the subsystem of intelligent information, we reviewed the work in the measurement information, measurement and management. For intelligent communication subsystem, we reviewed the wireless communication technologies and cable and communication management from end to end.

**ON THE JOB  
TRAINING/INDUSTRIAL  
TRAINING**

**TRIDENT TECH LAB DELHI 2020  
V I SOLUTION BANGALORE 2020**

S N O.	Student name	Roll no.	(3rd Year Training) Name of Training Organization/s where you had done your training/s after 3rd year.	(3rd Year Training) Starting and Ending dates of above training/s done after 3rd year	(3rd Year Training) Number of days of each training with total number of days training done after 3rd year.
1	Aadish Mishra	18UEEE6001	Training No. 2 -> Vissim/ Altair Embed (Altair Solid thinking Embedded) Software	Training No. 2 -> 20 May 2020 to 3 July 2020	Training No. 2 -> 45 days
2	Aakshita Saxena	18UEEE6044	VI Solutions	25 may 2020 to 08 July 2020	45 days
3	Adarsh meghwal	18UEEE6058	Training No. 1 -> PSIM from trident tech labs	Training No 1- > 18 may 2020 to 1 july 2020	Training No 1-> 45 days
4	AMAN DIXIT	18UEEE6002	Trident technical labs (On vissim /Altair embedded system)	18 may 2020 TO 03 JULY 2020	45 days
5	Aman Singhi	18UEEE6003	CYME power engineering software organized by trident techlab . Ltd	22 may 2020 to 5 july 2020	45 days
6	AMAR SINGH	18UEEE6004	Trident techlabs pvt.Ltd. in motor designing using techmo software.	17/05/2020 to 30/06/2020	45 days
7	AMIT KUMAR SINGHAL	18UEEE6005	M/s Trident Techlabs Pvt.Ltd.	20 MAY 2020 to 3 July 2020	45 days
8	ANIL JAKHAR	18UEEE6006	M/S TRIDENT TECHLABS PVT. LTD.	19- May -2020 to 02 - July-2020	45 Days
9	Arpit latta	18ueee6007	Training No. 2->LabVIEW software basic and LabVIEW modules	Training No. 2-> 20 may 2020 to 3 july 2020	Training No. 2 -> 45days
#	Arun Vaishnav	18UEEE6008	Trident Techlabs	18 May 2020 to 1 July 2020	45
#	Arvind Kumar	16ueee6006	trident tech pvt. ltd	18-05-2020 to 30-06-2020	45
#	Asif khan kayamkhani	18UEEE6009	Trident Tech Lab Pvt.LTD,Delhi	Training No 1->22 may 2020 to 5 July 2020	Training No 1->45 Days.Total=> 45 Days
#	Daksha Lunayach	18UEEE6010	Training No. 1 -> Trident tech labs pvt. Ltd. (Vissim)	Training No. 1 -> 20 May 2020 to 03 July 2020	Training No. 1 -> 45 days
#	DHANRAJ PATEL	18ueee6011	Trident Techlabs Pvt. Ltd	20.05.2020 to 03.07.2020	45days
#	Dheeraj kumar verma	18ueee6012	trident	18 may 2020 to 1 july 2020	45
#	Dilip Chouhan	18UEEE6013	Training No. 1- Trident Tech Labs (Techmo)	Training No. - 20 May 2020 to 3 July 2020	Training No. 1- 45 days
#	GANESH SANKHLA	18UEEE6014	TRIDENT TECHLABS	21 MAY 2020 TO 04 JULY 2020	45 days
#	Gaurav Singh	18UEEE6015	Webtek Labs pvt. Ltd	25 may 2020 to 09 july 2020	46 days



#	Harendra Rinwa	18UEEE6016	CYME POWER ENGINEERING SOFTWARE	22 may 2020 to 05 July 2020	45 Days
#	harshit prajapat	18ueee6017	Electronic and Communication Department ,MBM Engineering college	21/05/2020 TO 4/07/2020	45
#	Harshita Arora	18UEEE6045	TRIDENT TECH LABS (LabVIEW)	20 MAY 2020- 03 JULY 2020	45 DAYS
#	Jai Kishan Chouhan	18UEEE6018	Trident Techlab. Pvt. Ltd. (CYME Power Engineering Software)	22 May 2020 to 5 July 2020	45 days
#	Kareena Bano	18UEEE6046	VI solution Online	25may2020 to 8july2020	45days
#	khemant galgat	18UEEE6019	VI solutions, Bangalore	25 may 2020 to 8 july 2020	45 days
#	Komal meena	18UEEE6047	PSIM Simulation software	18 May 2020 to 1 July 2020	45 Days
#	Kritika Agarwal	18UEEE6048	M.B.M. Engineering College (Jodhpur)	21st May 2020 to 4th July 2020	45 days
#	MANISH CHETIWAL	18UEEE6020	TRIDENT TECH. LAB	18 May 2020 to 1 July 2020	45 Days
#	Manish meena	16ueee6067	Training no. 2 -> TECHMO (online)	Training no. 2 -> 18 june 2020 to 30 july 2020	43 days
#	MAYANK KUMAR	18UEEE6021	VisSIM /ALTAIR EMBED (ALTAIR SOLID THINKING SOFTWARE EMBEDDED ) SOFTWARE ORGANISED BY TRIDENT TECH. LABS LIMITED	20 MAY 2020 TO 03 JULY 2020	45 DAYS
#	Mayank Rajpurohit	18UEEE6022	VI Solutions, Bangalore.	25 May 2020 to 08 July 2020.	45 days.
#	Mukul Agarwal	18UEEE6023	PSIM Simulation software	18 May 2020 to 1July 2020	45 days
#	Nikita Joshi	18UEEE6049	VI SOLUTION	25 May 2020 to 8 July 2020	45 Days
#	Nirmal kumar	18ueee6026	MBM ENGINEERING COLLAGE(ELECTRONICS DEPARTMENT)	21 May to 4 July	45
#	Nisha	18UEEE6050	Training 1- Motor designing Using Techmo Software conducted by M/s Trident Techlabs pvt Ltd.	Training 1- 19 may 2020 to 02 july 2020	Training 1- 45 days
#	NITESH DADHICH	18UEEE6027	Training-> TRIDENT TECHLABS PRIVATE LIMITED (Motor designing using Techmo software)	Training-> 19 May 2020 to 02 July 2020	Training-> 45 Days
#	Pooja Bhati	18UEEE6051	Training No. 1 - MBM college training. Training No. 2- Agjit Chennai	Training No 1- 21st may 2020 to 4th july 2020. Training No. 2- 20 dec 2020 to 21 feb 2021	Training No 1- 45 days. Training No. 2- 64 days
#	Prakash	18UEEE6028	Trident tech,	21 may 2020 to 04 july 2020	45
#	Pranveer gurjar	18UEEE6029	Embedded System and microprocessor	18 may 2020 to 3 July 2020	45 Days
#	Priyal Sahu	18UEEE6053	Training No 1 -> Trident Techlabs Pvt Ltd	Training No 1 -> 19 May 2020 to 2 July 2020	Training No 1 - > 45 Days

#	Rajat Pradhan	18UEEE6032	Cyme Power Engineering Software	22 May 2020 to 5 July 2020	Total days= 45 days
#	Rakesh Yadav	18UEEE6033	MBM Engineering College Online	21 May 2020 to 4 July 2020	45 Days
#	Raunak Dhabai	18UEEE6054	Trident Techlabs Pvt.Ltd.	20 May 2020 to 03July 2020	45 days Total=45 days
#	Saket Paliwal	18UEEE6034	Training No 1:- Trident Tech Lab	Training No 1 :- 22 May 2020 to 5 July 2020	Training No 1 :- 45 days
#	Satyam Sharma	18UEEE6035	Training no 2→MBM COLLEGE, ECE Department	Training no. 2→21 may 2020 to 4 July 2020	Training no. 1→46 days ,Training no. 2→45 days , total 91 days
#	Saurabh Laddha	18UEEE6036	Electronics and communication department of MBM ENGINEERING COLLEGE	21 May 2020 to 4 July 2020	45 days
#	Saurabh Vyas	18UEEE6037	TRIDENT TECHLABS	22 June 2020 to 5 July 2020	45
#	Shiv Narayan Sharma	18UEEE6039	M.B.M. Engineering College, Jodhpur	21 May 2020 to 4 July 2020	45 Days
#	Shubham Mathur	16EEE37072	Training No 1 ->RRVNL	Training Date -> 5 june 2019 to 27 August 2019	45
#	Simran Singh	18UEEE6055	Training No. 1: VI SOLUTIONS BANGALORE	25 May 2020 to 08 July 2020	45 days
#	Sourabh Verma	18UEEE6040	Organization Name :- Trident techlab pvt. ltd. Training Name :- VisSim / Altair Embed Software	20 May 2020 to 3 July 2020	45 Days
#	Surendra Choudhary	18UEEE6041	Training no.2.- vi solutions , banglore,	Training no.1:- 25 may 2020 to 8 july 2020	Training no .1- 45 days
#	VIKAS KUMAR	18UEEE6042	Training No 1 -> VI SOLUTIONS	Training No 1 -> 25 MAY, 2020 to 08 JULY, 2020	Training No 1 - > 45 Days
#	Vinita Gurjar	16UEEE6064	Central Testing Laboratory of JDVNL Jodhpur	3 June 2019 to 18 July 2019	45
#	Vishal Gupta	16UEEE6054	220 KV GSS RRVNL , Nadbai(Bharatpur)	3 June 2019 to 17 July 2019	38 Days
#	Yashvi Singh	18UEEE6057	VI Solutions, Bangalore (online)	25 May 2020 to 8 July 2020	45 Days
#	YUVRAJ SINGH	18UEEE6043	VI Solutions ,BANAGALORE	25 May 2020 to 08 July 2020	45

# **TWINNING ACTIVITY**

**CIT, COIMBTORE 2019**

### **Eminent Speakers**

Prof. M.L. Kothari, IIT Delhi  
Dr. S. Vasantharathna, CIT Coimbatore  
Dr. K.R. Niazi, MNIT Jaipur  
Dr. E. Chandira Sekaran, CIT Coimbatore  
Dr. Deepak Fulwani, IIT Jodhpur  
Dr. Abdul Gafar Shaikh, IIT, Jodhpur  
Er. Chandra Shekar, BHEL Bangalore  
Dr. Ravi Sehgal, GE, Bangalore  
Dr. Ujjwal Kalla, GEC Bikaner  
Dr. Nitin Gupta, MNIT Jaipur  
Dr. Kusumlata Agarwal, JIET Jodhpur  
Dr. Mahendra Bhadu, GEC, Bikaner

### **Who can attend?**

A potential participant would be the Faculty Members of Electrical Engineering.

### **For Correspondence**

Ms. Khushboo Shah, Coordinator  
Mob: 9529574822  
Email: [teqip.khushboo.ee@jvu.edu.in](mailto:teqip.khushboo.ee@jvu.edu.in)

Mr. Deepak Patel, Coordinator  
Mob: 7987430669  
Email: [teqip.deepak.ee@jvu.edu.in](mailto:teqip.deepak.ee@jvu.edu.in)



## **Twinning Activity under TEQIP-III Faculty Development Programme on "Advances in FACTS Technologies"**

**17<sup>th</sup> – 21<sup>st</sup> November, 2019**

Jointly Organized by

Department of Electrical Engineering  
**MBM Engineering College, Jodhpur**  
&  
Department of Electrical & Electronics Engineering,  
**CIT Coimbatore**



### About the Organizers

MBM Engineering College is one of the oldest colleges in India. It was established on 15 August 1951, by the Government of Rajasthan and offers the degrees of Bachelor of Engineering in thirteen disciplines, Master of Engineering and Doctor of Philosophy (Ph.D.). The college is committed to providing its students with quality education and promotes rigorous academic study in ambitious, integrated and influential environment that will best serve the society and the nation.

CIT is one of the most reputed and prestigious educational institutions in South India since 1956. The V. Rangasamy Naidu Educational Trust devoted to the cause of promoting technical and scientific literacy, established Coimbatore Institute of Technology (CIT) in 1956. The Institute backed by World Class research and development attained autonomous status in 1987 and is affiliated to the Anna University. The Institute boasts of strong academic-industrial interaction and a high quality of research and consultancy. CIT, managed by a pedigreed lineage for the past 50 years, enjoys national repute. The Institute has the services of competent qualified faculty, and visionary management to enhance the quality of education at all levels and maintain its position in emerging global scenario.

### Scope of FDP

Power system operation and its control play a very important role in the world of Electrical Engineering. The electrical utility industry is probably the largest and the most complex industry in the world. Challenging problems are required to be handled continuously by power engineers particularly, in designing futuristic power system to deliver increasing amounts of electrical energy. This calls for perfect understanding, analysis and fast decision making for efficient operation and control of the system. FACTS have emerged as an area of cutting edge research and development for secure and safe operation of the power system with assurance of power quality.

This programme is specifically designed for continuous education of faculty members in order to further enlighten their understanding of FACTS devices technologies and their application. This programme will familiarize them with the FACTS devices and custom power devices alongwith active/reactive power control. This programme will also provide hands on experience to motivate faculty members to pursue innovative research in this emerging area.

Registration link: [shorturl.at/euCT5](http://shorturl.at/euCT5)



### Chief Patron

Prof. S. K. Ojha Dean, JNV University, Jodhpur  
Dr. V. Selladurai, Principal, CIT Coimbatore

### Patron

Prof. S.K. Parihar, Coordinator TEQIP-III, JNVU Jodhpur  
Dr. V. Manikandan, Coordinator TEQIP-III, CIT Coimbatore

### Programme Chair

Prof. Jayashri Vajpai  
Head, EE, JNVU Jodhpur

### Coordinators

Prof. Avdhesh Sharma, EE, JNVU Jodhpur  
Prof. E. Chandira Sekaran, EEE, CIT Coimbatore

### Co-Coordinators

Ms. Khushboo Shah, EE, JNVU Jodhpur  
Mr. Deepak Patel, EE, JNVU Jodhpur

### Advisory Committee

Dr. S. Vasantharathna, EEE, CIT Coimbatore  
Prof. Akhil Ranjan Garg, EE, JNVU, Jodhpur  
Prof. M.K. Bhaskar, EE, JNVU, Jodhpur  
Prof. M.G. Soni, EE, JNVU, Jodhpur

### Organising Committee

- Ms. Khamma Kanwar, EE, JNVU, Jodhpur
- Ms. Santosh Meena, EE, JNVU, Jodhpur
- Ms. Shruti Yadav, EE, JNVU, Jodhpur
- Mr. Saurabh Chopra, EE, JNVU, Jodhpur
- Mr. Ashish Godara, EE, JNVU, Jodhpur
- Mr. Aditya Kachhwaha, EE, JNVU, Jodhpur
- Mr. Mukesh Kumar, EE, JNVU, Jodhpur

### Registration Form

Name : .....  
Designation : .....  
Department : .....  
Institute/Organisation:.....  
Qualification : .....  
Mob No.: .....  
E-mail: .....



**Schedule of 5 day FDP on Advances in FACTS Technologies**

<b>Day-1 (17/11/2019)</b>		
<b>S.No.</b>	<b>Time</b>	<b>Topics Covered</b>
1.	9:00 AM- 10:30 AM	Inauguration
2.	10:30AM-10:45 AM	Break
3.	10:45 AM- 12:15 PM	Introduction to FACTS and its application: Dr. Vasantharathna (Head, EEE, CIT Coimbatore)
4.	12:15 PM- 1:15 PM	Lunch break
5.	1:15 PM- 2:45 PM	An introduction to Power Quality: Dr. E. Chandra Sekiran (Professor, CIT Coimbatore)
6.	2:45 PM- 3:00 PM	Break
7.	3:00 PM – 4:30 PM	Prof. Kothari

<b>Day-2 (18/11/2019)</b>		
<b>S.No.</b>	<b>Time</b>	<b>Topics Covered</b>
1.	9:00 AM- 10:30 AM	Custom Power Devices: Development of Dynamic Voltage Restorer : Dr. E. Chandra Sekiran (Professor, CIT Coimbatore)
2.	10:30AM-10:45 AM	Break
3.	10:45 AM- 12:15 PM	
4.	12:15 PM- 1:15 PM	Lunch break
5.	1:15 PM- 2:45 PM	
6.	2:45 PM- 3:00 PM	Break
7.	3:00 PM – 4:30 PM	Lab Session: Power Quality Analyzer : Dr. E. Chandra Sekiran (Professor, CIT Coimbatore)

<b>Day-3 (19/11/2019)</b>		
<b>S.No.</b>	<b>Time</b>	<b>Topics Covered</b>
1.	9:00 AM- 10:30 AM	Power Quality and Reactive Power Management: Er. Chandra Sekar (AGM BHEL Bengalore)
2.	10:30AM-10:45 AM	Break
3.	10:45 AM- 12:15 PM	Power Quality and Reactive Power Management: Er. Chandra Sekar (AGM BHEL Bengalore)
4.	12:15 PM- 1:15 PM	Lunch break



( TEQIP – III )  
**M.B.M. Engineering College**  
Faculty of Engineering and Architecture, J.N.V. University Jodhpur.



5.	1:15 PM- 2:45 PM	
6.	2:45 PM- 3:00 PM	Break
7.	3:00 PM – 4:30 PM	

Day-4 (20/11/2019)		
S.No.	Time	Topics Covered
1.	9:00 AM- 10:30 AM	HVDC back to back converters: Er. Chandra Sekar (AGM BHEL Bangalore)
2.	10:30AM-10:45 AM	Break
3.	10:45 AM- 12:15 PM	Practical aspects of HVDC and substations: Er. Chandra Sekar (AGM BHEL Bangalore)
4.	12:15 PM- 1:15 PM	Lunch break
5.	1:15 PM- 2:45 PM	
6.	2:45 PM- 3:00 PM	Break
7.	3:00 PM – 4:30 PM	

Day-5 (21/11/2019)		
S.No.	Time	Topics Covered
1.	9:00 AM- 10:30 AM	Transient stability improvement using FACTS
2.	10:30AM-10:45 AM	Break
3.	10:45 AM- 12:15 PM	
4.	12:15 PM- 1:15 PM	Lunch break
5.	1:15 PM- 2:45 PM	Lab Session
6.	2:45 PM- 3:00 PM	Break
7.	3:00 PM – 4:30 PM	Valedictory function





Twinning Activity under  
TEQIP-III  
Faculty Development Programme  
on



# Advances in FACTS Technologies"

17<sup>th</sup> - 21<sup>st</sup> November, 2019

Organisers:

Department of Electrical Engineering  
MBM Engineering College, Jodhpur

&

Department of Electrical & Electronics  
Coimbatore Institute of Technology

Seminar Hall, MBM Engineering

Prof. Avdesh Sharma  
Coordinator FDP

Prof. S. K. Parthasarathy  
Presiding Guest



**ESTABLISHMENT OF  
CENTRE FOR  
ENTERPRENEURSHIP AND  
SMALL BUSINESS  
MANAGEMENT (CESBM)**

**BY  
MINISTRY OF MSME DELHI  
GOVT. OF INDIA  
2017-18**



No.20(2)/2016-EDI/I  
Government of India  
Ministry of Micro, Small & Medium Enterprises  
EDI Section

SPEED POST

Udyog Bhawan, New Delhi – 110011

Dated the 18<sup>th</sup> January, 2017

✓ To

Head, Department of Management Studies  
Jai Narain Vyas University, Jodhpur.

**Sub: - Proposal of Jai Narayan Vyas University (JNVU), Jodhpur for financial assistance for setting up the Centre for Entrepreneurship and Small Business Management (CESBM) by under ATI Scheme - Approval regarding.**

\*\*\*\*

**Ref:- Principal Secretary(MSME), Govt. of Rajasthan's letter No.F18(108)CI/ESBM/2016 dated 23.9.2016 and subsequent clarifications/document furnished by JNVU, Jodhpur vide e-mail dated 28.10.2016 and 23.11.2016.**

Sir,

I am directed to refer to the correspondences referred above on the captioned subject and to say that the competent authority has approved the proposal for grant of financial assistance (GIA) of Rs.1,50,00,000/- (Rupee One Crore Fifty Lakh only) under the pre-revised ATI Scheme on matching contribution basis to JNVU, Jodhpur for **setting up the propose Centre for Entrepreneurship and Small Business Management (CESBM) in the campus of the JNVU, Jodhpur at the estimated total cost of Rs.3.15 Crore.** The rest of project cost would be met by JNVU, Jodhpur from its internal resources. The head-wise details of the cost estimates are given in the table below: -

S. No.	Description	Cost (Rs.in Lakh)
1.	Infrastructure	185.89
2.	Furniture, Furnishing and equipment	85.00
3.	Library	17.00
4.	Computers	7.50
5.	Miscellaneous	20.00
	<b>Total:</b>	<b>315.39</b>

2. The other terms & conditions as per the scheme guidelines are as under:-

- (i) The assistance under the scheme shall be released, in full or part, only after the applicant organization has either utilized its own part of matching contribution or deposited its share/in the designated Bank account. The amount of admissible assistance shall be subject to the actuals under the above heads.
- (ii) The assisted EDI shall be required to complete the construction within the given time-frame and shall have to furnish the utilization certificate of the assistance sanctioned within the period prescribed in the sanction letter (to be issued separately for release of grant).

*Khanuja*

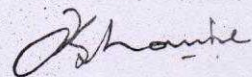
Contd.



- (iii) The assisted EDI shall not dispose of or lease out or create any charge over the assets created by utilizing the assistance provided under this scheme, without written permission from the MoMSME.
- (iv) The assisted EDI shall not change the form or the basic character of the EDI, without prior approval of MoMSME. The charter of the assisted EDI indicating its objects, shall not be amended without written permission of the Ministry of MSME.
- (v) The assisted EDI shall be required to carry out a minimum set of activities and programmes every year, as prescribed by the Government.
- (vi) The financial assistance provided under this scheme would be of non-recurring and capital nature. Under no circumstances grant funds provided under the scheme would be used to pay salaries and allowances etc. for the institute's faculty, staff or administrators.
- (vii) The assisted EDI, while implementing the project and thereafter, shall comply with the provision of the General Financial Rules including GFR 209 to 212, in particular.
- (viii) The accounts of the assisted EDI shall be audited every year and the assisted EDI shall be required to submit annual report along with financial statement to the MoMSME, at least for a period of five years after receipt of the financial assistance. The annual reports on implementation of the scheme would include the details of construction activity, procurement of machinery/ equipment etc. during the period under report. The annual reports must contain details of the activities undertaken by the Institute during the period under report, along with the audited accounts. The report would also include the details of participants/ trainees undergoing training, as well as the details of successful entrepreneurs who have set up their enterprises.
- (ix) The assisted EDI shall be required to maintain a fixed assets register of equipments/assets procured by utilizing grant funds for verification by Ministry of MSME at any time.
- (x) In case of failure to utilize the sanctioned funds within time or its misuse, misappropriation or diversion or violation of any one or more of the conditions mentioned above, the Government will be entitled to recover the entire assistance amount with interest, in addition to taking such other legal and/or penal action, as deemed necessary.
- (xi) Central government may nominate any officer, not below the rank of Under Secretary of Government of India, as its representative on the Board of Administration or any other equivalent body, responsible for the management of the EDI. It would be the responsibility of the concerned EDI to invite such nominated officer to all meetings of the Board of Administration (or equivalent).

3. Since this approval is being issued on the basis of estimated cost, the project authority shall intimate the firm costs as and when finalized before commencement of the construction activity along with the finalized schedule of completion of the project activities. Release of funds shall be in accordance with the project schedule.

Contd..





4. For availing assistance under the ATI Scheme, the concerned individual / entity is required to register itself on MSME data bank and [www.pfms.nic.in](http://www.pfms.nic.in).

5. You are requested kindly to acknowledge receipt of this communication and take further necessary action in this regard for release of funds to this Ministry immediately.

Yours faithfully,

  
(A.K. Chaube)

Dy. Secretary to the Government of India

☎ : 2306 1636

E-mail: [ak.chaube@nic.in](mailto:ak.chaube@nic.in)

Copy to:

Principle Secretary (MSME)  
Government of Rajasthan  
O/o Commissioner Industries & Secretary,  
Corporate Social Responsibility (CSR)  
Udyog Bhawan, Tilak Marg, Jaipur-302005.





**DEPARTMENT OF MANAGEMENT STUDIES**  
**FACULTY OF COMMERCE & MANAGEMENT STUDIES**  
**JAI NARAIN VYAS UNIVERSITY, JODHPUR**  
(IIT Campus, MBM Engg.College)

**PROF. S.P.S. BHADU**  
**PROFESSOR & HEAD**

Tel: 0291-2513840

No. JNVU/DMS/16-17/155

June 19, 2017

The Hon'ble Vice-Chancellor  
Jai Narain Vyas University  
Jodhpur

Sub: Proposed schedule for three tier programmes for "Centre for Entrepreneurship and Small Business Management (CESBM) at the Department of Management Studies, Jai Narain Vyas University, Jodhpur for the year 2017-18

Respected Sir,

With reference to above cited subject, this is to bring into your kind notice that the Department of Management Studies, Jai Narain Vyas University, Jodhpur is done with all the preparations concerning the operationalization of the Centre for Entrepreneurship and Small Business Management (CESBM), sanctioned by the Ministry of Micro, Small and Medium Enterprises, Government of India and the Centre is ready to function.

This Centre has been a dream project of the government and with their support and your sheer guidance and motivation; we have been able to fulfill that dream, and have taken this earnest initiative of nurturing young minds of the State of Rajasthan into budding entrepreneurs.

In this initiative of ours, we have proposed a schedule of programs to fit needs for various industries of Western Rajasthan and have designed courses to prepare a pool of skilled talents and entrepreneurs at our centre. The proposed courses and the schedule is attached herewith which includes three tier programmes:-

- Tier-1 : Certificate Courses in Entrepreneurship and Skill Development
- Tier-2 : Workshops on Entrepreneurship and Skill Development
- Tier-3 : Entrepreneurship Awareness and Development Camps

Along with above these, we are also planning to enter into MOU with the following National Level Institutions:-

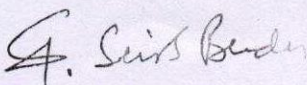


- (i) The National Institute for Entrepreneurship and Small Business Development (NIESBUD)
- (ii) National Institute for Micro, Small and Medium Enterprises (NIMSME), Hyderabad
- (iii) Mahatma Gandhi Institute for Rural Industrialisation (MGIRI)

I am looking forward to your kind support and guidance.

With regards,

Yours faithfully



( Shishupal Singh Bhadur )  
Head

Dept. of Management Studies

- Encl: 1. Details of proposed three tier courses  
2. Proposed month-wise schedule of programme at CESBM (2017-18)

Copy to: The Officer-in-charge, Development Section, JNVU, Jodhpur



**Proposed courses for Centre for Entrepreneurship and Small Business Management (CESBM)" at the Department of Management Studies, Jai Narain Vyas University, Jodhpur**

**Tier -1 : Certificate Courses in Entrepreneurship and Skill Development**

**1. CERTIFICATE COURSE IN SMALL BUSINESS DEVELOPMENT**

**Course Objective:-**

The objective of the Programme is to identify persons with entrepreneurial quality, to motivate them and to train them through a structured training course so as to enable them to set up their tiny and small scale industrial ventures with the assistance available from different agencies

**Target Group:-**

Fresh Graduates or diploma holders of all disciplines or those who are doing their final year diploma/degree in engineering/technology/science.

**Proposed Collaborations:-**

Rajasthan Financial Corporation (RFC) and Rajasthan State Industrial Development and Investment Corporation (RIICO) and Department of Science & Technology (DST).

**Duration:** - 200 Hrs.

**Eligibility:-**Any Graduate or Diploma holder is having zeal to become Entrepreneur.

**2. CERTIFICATE COURSE IN EXPORT MANAGEMENT FOR HANDICRAFT ENTREPRENEURS**

**Course Objective:-**

Basically, this course is aimed for helping the participants to understand fully their requirement in developing Handicraft Products according to International and Domestic customers demand and requirements and understanding quality standards and marketing thereof, as well as fully equip themselves with Foreign Trade Policy, Customs, Excise and other Central/State Taxes etc.

**Target Group:-**

Young Start-ups, Working Housewives, Makers & Dealers of Handicraft Furniture, Gift and Utility Products & Decorative, Home Textiles & Life



Style Products for Home Décor, Fashion Bags, Fashion Jewellery and Accessories etc

**Proposed Collaborations:-**

Jodhpur Handicrafts Exporters' Association (JHEA)

**Duration:** - 200 Hrs.

**Eligibility:-** Higher Secondary level (10+2) with Zeal to become Handicraft Entrepreneurs

**3. CERTIFICATE COURSE IN ENTREPRENEURSHIP FOR WOMEN/SC/ST/WEAKER SECTION**

**Course Objective:-**

The programmes would aim at creating awareness on the need and importance of entrepreneurship in the changing socioeconomic environment and imparting knowledge and skill in diverse training methods to Women/SC/ST/Weaker Section, counselling them with an entrepreneurial mindset.

**Target Group:-**

Women/SC/ST/Weaker Section

**Proposed Collaborations:-**

Rajasthan Financial Corporation (RFC) and District Industrial Centre (DIC)

**Duration:** - 100 Hrs.

**Eligibility:** - Higher Secondary level (10+2).

**4. CERTIFICATE COURSE IN FASHION MERCHANDISING**

**Course Objective:**

The objective Programme is to develop entrepreneurial talents in the field of marketing, merchandising and retailing best suited to the requirements of the garment export and fashion retail sectors.

**Target Group:**

Young Start-ups, Working Housewives, Makers & Dealers of Garment, Gift and, Home Textiles & Life Style Products for Home Décor, Fashion Bags, Fashion Jewellery and Accessories etc.



**Proposed Collaborations:**

**National Institute of Fashion Technology (NIFT), Jodhpur.**

**Duration:** - 200 Hrs.

**Eligibility:** - Higher Secondary level (10+2).

**Tier -2 : Workshops on Entrepreneurship and Skill Development**

**1. Work Shop on Entrepreneurial Skill Development**

**Objective:**

The Objective of the Workshop is an intensive entrepreneurship training programme aiming at helping entrepreneurs to put their idea into action, bring an attitudinal change and build their personal entrepreneurial skills. It gives the participants the possibility to lab test their Personal Entrepreneurial Competencies (PECs) and improve on the latter.

**Eligibility:**

Higher Secondary level (10+2)

**Proposed Collaboration:**

Rajasthan Financial Corporation (RFC)

**Duration:**

42 Contact Hours

**2. Workshop on Setting up Small Scale Industrial Unit and Startup**

**Objective:**

The objective of the workshop is to identify persons with entrepreneurial quality, to motivate them and to train them through a structured training course so as to enable them to set up their tiny and small scale industrial ventures with the assistance available from different agencies.

**Eligibility:**

Higher Secondary (10+2)

**Proposed Collaboration:**

Rajasthan Financial Corporation (RFC) and Rajasthan State Industrial Development and Investment Corporation ( RIICO)

**Duration:** 42 Contact Hours



### **3. Workshop on Online Marketing for Entrepreneurs and Startup**

#### **Objective**

This workshop will be a comprehensive program in online marketing analytics. It is 42 hours program that would combine pedagogy using lectures, case studies, hands -on exercises, assignments and practical. This training workshop equips the participants to understand the nuances of digital marketing and helps them make appropriate marketing strategies using all forms of digital media. They would be able to understand the key elements of online marketing in creating an effective digital marketing strategy.

#### **Target Group:**

Young Start-ups, Budding Entrepreneurs, Makers & Dealers of indigenous Gift and, Home Textiles & Life Style Products for Home Décor, Fashion Bags, Fashion Jewellery and Accessories etc.

#### **Eligibility:**

Higher Secondary (10+2)

#### **Proposed Collaboration:**

Indian Institute of Technology, Jodhpur (IIT J)

**Duration:** 42 Contact Hours

### **4. Workshop on Web Designing & Entrepreneurs**

#### **Objective**

Web designing can prove every bit as rewarding and much more fun! Also it improves your job prospects and get an edge over your counterparts.

#### **Target Group:**

Young Start-ups, Budding I T Entrepreneurs

#### **Eligibility:**

Bachelor in Engineering (I.T), Diploma in engineering (I T)

#### **Proposed Collaboration:**

Indian Institute of Technology, Jodhpur (IIT J)

**Duration:** 42 Contact Hours



### **Tier -3 : Entrepreneurship Awareness and Development Camps**

To create awareness among existing tiny or small industrialists about various facets of entrepreneurship as an alternative option to develop and grow in existing business. Small or tiny Industries like:-

1. Dari Udhyog
2. Jodhpuri Bandheg Udhyog
3. Jodhpuri Mojri Udhyog
4. Jodhpur Masala Udhyog and many more

In these entrepreneurship camps our Centre will go on the door steps of small or tiny industries, we will organise **small talks, group discussion and problem solving** in practical way. The Faculty Members and Students of the Department of Management Studies (DMS) will organise Entrepreneurship Awareness Camps. Help from out-house experts will also be taken.

**Collaboration:** Assistance will be taken from few Non-Government Organistaions (NGO's)



**Proposed month-wise schedule for Centre for Entrepreneurship and Small Business Management (CESBM)" at the Department of Management Studies, Jai Narain Vyas University, Jodhpur for the year 2017-18**

S.No.	Month	Programme
1.	August 2017	Workshop on Entrepreneurial Skill Development
2.	September 2017	Entrepreneurship Awareness and Development Camp -1
3.	October 2017	Certificate Course in Small Business Development
4.	November 2017	Entrepreneurship Awareness and Development Camp-2
5.	December 2017	Entrepreneurship Awareness and Development Camp-3
6.	January 2018	Workshop on Setting up Small Scale Industrial Unit and Startup
7.	February 2018	Certificate Course in Export Management for Handicraft Entrepreneurs
8.	March 2018	Certificate Course in Fashion Merchandising Entrepreneurship Awareness and Development Camp-4
9.	April 2018	Certificate Course in Entrepreneurship for Women/SC/ST/Weaker Section
10.	May 2018	Workshop on Online Marketing for Entrepreneurs and Startup
11.	June 2018	Workshop on Web designing & Entrepreneurs



Udyog Bhawan, New Delhi-110011  
Dated the 31<sup>st</sup> March, 2017

To

Pay & Accounts Officer,  
Pay & Accounts office,  
Ministry of Micro, Small & Medium Enterprises,  
Nirman Bhawan, New Delhi.

Sub: Release of 1<sup>st</sup> installment of Grants-in-aid (Plan/Non-Recurring) of Rs.75,00,000/- (Rupee Seventy Five Lakh only) to Jai Narayan Vyas University (JNVU), Jodhpur during 2016-17 for setting up the Centre for Entrepreneurship and Small Business Management (CESBM) under the Scheme "Assistance to Training Institutions(ATI)".

Sir,

Sanction of the President is hereby conveyed to the release of 1<sup>st</sup> installment of Rs.75,00,000/- (Rupee Seventy Five Lakh only) in 2016-17 to Jai Narayan Vyas University (JNVU), out of the total approved amount of Rs.1.50 Crore under the Scheme "Assistance to Training Institutions" for setting up the Centre for Entrepreneurship and Small Business Management (CESBM) in the campus of the JNVU, Jodhpur at the estimated total cost of Rs.3.15 Crore. The rest of the project cost would be met by JNVU, Jodhpur from its own resources. The head-wise details of the cost estimates are given in the table below:-

S. No.	Description	Cost (Rs.in Lakh)
1.	Infrastructure	185.89
2.	Furniture, Furnishing and equipment	85.00
3.	Library	17.00
4.	Computers	7.50
5.	Miscellaneous	20.00
Total:		315.39

2. The Grant-in-Aid will be regulated in accordance with the provisions contained in the Scheme/Guidelines. The Grant-in-Aid is also subject to the provisions contained in Chapter 9 of the General Financial Rules, 2017, as amended from time to time, read with the Government of India's decisions incorporated thereunder, and any other guidelines which may be issued in this regard, and in particular to the following conditions:-

- (i). The grant shall be utilized for the purpose of setting up of Centre for Entrepreneurship and Small Business Management (CESBM) in the campus of the JNVU, Jodhpur. Its utilization would result in setting up of one more new EDI for imparting Entrepreneurship Development Training to first generation entrepreneurs.
- (ii). The CESBM, Jodhpur shall keep/maintain a separate subsidiary Bank account for the Government Grants received and utilized. The money deposited/credited to the Bank A/c shall not be used for any other purpose. In addition, a separate bank account shall be maintained for the Government Grants.

The Grant released will be utilized by CESBM by 31.03.2018 for the purpose indicated in Para 2(i) above.

*[Signature]*



- (iv). The CESBM shall furnish performance-cum-achievement report on or before 30.06.2018 to the Sanctioning Authority.
- (v). The CESBM should maintain a register of permanent and semi-permanent assets acquired wholly or mainly out of the above grant in the prescribed format and copy thereof should be furnished to the Ministry.
- (vi). Assets acquired wholly or substantially out of Government Grant shall not be disposed of without obtaining the prior approval of the sanctioning authority of Grant-in-Aid.
- (vii). The accounts of CESBM shall be open for inspection by the sanctioning authority and audit, both by the Comptroller & Auditor General (CAG) of India under the provision of C&AG (DPC) Act, 1971 in accordance with the provisions laid down in Section 14 of the C&AG (DPC 1971) as amended from time to time and Internal Audit by the Principal Accounts Office of the Ministry of MSME, whenever it is called upon to do so.
- (viii). The grantee shall furnish the Utilization Certificate in the prescribed form GFR 12-A duly signed by the Head of Institution/Grantee latest by 31.03.2018. The Utilization Certificate in respect of grants should also disclose whether the specified, quantified and qualitative targets that should have been reached against the amount utilized were in fact reached, and if not, the reasons therefor. They should contain an output based performance assessment instead of input based performance assessment.
- (ix). The CESBM shall also furnish an audited statement of account of the financial year before 30.09.2018.
- (x). Grant-in-Aid shall be utilized subject to the Economy and other Instructions issued from time to time by the M/o Finance or by the Competent Authority.
- (xi). The unspent balance of NIL available with CESBM has been taken into account.
- (xii). It is certified that no Utilization Certificate is pending from CESBM for the Grants-in-Aid released in previous years.
- (xiii). The CESBM shall certify that no Grants-in-Aid for this purpose or activities have been applied for or obtained from any other Ministry or Department of Government of India or State Government (except that indicated in Para (1) of this Sanction).
- (xiv). The CESBM shall adhere to all the relevant provisions of GFR and any other instructions/guidelines issued by the Government from time to time, while making procurement/purchases of goods and services including compliance to GFR provisions in case of outsourcing of services and engagement of consultants.
- (xv). The JNVU has been exempted from execution of the bond. The JNVU shall, however, furnish an undertaking that it will comply with all the terms and conditions stipulated in the sanction order. In the event of failing to comply with the conditions or committing breach of the conditions of the bond, the signatories of the bond shall be jointly and severally liable to refund to the President of India, the whole or part amount of the grant with interest at 10% per annum thereon or the sum specified under bond.

*[Signature]*



- (xvi). The CESBM should send a pre-receipted bill to this office for release of fund against this sanction.
- (xvii). In no case the grant released under this sanction will be utilized for any purpose other than those indicated in the sanction. The grantee shall not divert the grants and entrust execution of the Scheme or work concerned to another Institution or Organization and shall abide by the terms & conditions of the grant and follow/ adhere to all the relevant provisions of GFR regarding Grants in aid. If the grantee fails to utilize the grant for the purpose for which the same has been sanctioned or does not adhere to the terms & conditions of Grant and GFR provisions, the grantee/ Institution shall be required to refund the grant with interest @10% per annum.
- (xviii). The grantee institution shall not utilize the interest earned on the non-recurring grants-in-aid released to the Institution for any purpose. The interest earned shall be indicated in U/C which can be either adjusted in next release or to be refunded to GOI after Grants-in-Aid sanctioned is utilized.
- (xix). This sanction has been noted at Serial No. 19 in the Register of Grants (2016-17).
- (xx). Shri L. Haokip, Director and Shri Mahavir Singh, Dy. Director in this Ministry in accordance with the Ministry's Memorandum No.G-21017/2/2010-Cash dated 15.01.2013 and A-52/1/2015-HR dated 05.01.2017 will act as Drawing and Disbursement Officer for the purpose of grant-in-aid in respect of this Sanction.

4. The total release under this object head, including the present sanction would be Rs.3,00,00,000/- during the current financial year as against the Budget Provision of Rs.3,00,00,000/- in RE:2016-17 for the financial year 2016-17.

5. The expenditure of Rs.75.00 Lakh (Rupees Seventy Five Lakh only) involved will be met from within the sanctioned budget grant of the Ministry under Demand No.58 Major Head (Entrepreneurship and Skill Development) 2851.00.800.53 Minor Head Grant-in-aid 53.01.35 (Grants for Creation of Capital Assets) of the Ministry of Micro, Small and Medium Enterprises for the year 2016-17.

6. The bank details of the CESBM for making payment are as below:-

Name of the beneficiary	Name of the Bank where A/c of Orgn Held	Address/ Code of Bank, Branch	A/c No.	MICR Code and IFSC Code
JNVU Centre for Entrepreneurship and Small Business Management	Punjab National Bank	Ratanada Colony, Jodhpur.	0712000100497913	MICR: 342024007 IFSC: PUNB0071200

7. This issues with the concurrence of Integrated Finance Wing (Finance-I) of the Ministry of MSME vide their Diary No.145/US(Fin-I)/2017 dated 27.03.2017.

Yours faithfully,

  
(A.K. Chaube)

Dy. Secretary to the Government of India

☎ : 2306 1636

E-mail: [ak.chaube@nic.in](mailto:ak.chaube@nic.in)



No.20(2)/2016-EDI/JNVU[(Cap)]  
Government of India  
Ministry of Micro, Small & Medium Enterprises  
EDI Section

SPEED POST

Udyog Bhawan, New Delhi-110011

Dated the 31<sup>st</sup> March, 2017

To

Pay & Accounts Officer,  
Pay & Accounts office,  
Ministry of Micro, Small & Medium Enterprises,  
Nirman Bhawan, New Delhi.

Sub: Release of 1<sup>st</sup> installment of Grants-in-aid (Plan/Non-Recurring) of Rs.75,00,000/- (Rupee Seventy Five Lakh only) to Jai Narayan Vyas University (JNVU), Jodhpur during 2016-17 for setting up the Centre for Entrepreneurship and Small Business Management (CESBM) under the Scheme "Assistance to Training Institutions(ATI)".

Sir,

Sanction of the President is hereby conveyed to the release of 1<sup>st</sup> installment of Rs.75,00,000/- (Rupee Seventy Five Lakh only) in 2016-17 to Jai Narayan Vyas University (JNVU), out of the total approved amount of Rs.1.50 Crore under the Scheme "Assistance to Training Institutions" for setting up the Centre for Entrepreneurship and Small Business Management (CESBM) in the campus of the JNVU, Jodhpur at the estimated total cost of Rs.3.15 Crore. The rest of the project cost would be met by JNVU, Jodhpur from its own resources. The head-wise details of the cost estimates are given in the table below:-

S. No.	Description	Cost (Rs.in Lakh)
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2.	Furniture, Furnishing and equipment	85.00
3.	Library	17.00
4.	Computers	7.50
5.	Miscellaneous	20.00
Total:		315.39

2. The Grant-in-Aid will be regulated in accordance with the provisions contained in the Scheme/Guidelines. The Grant-in-Aid is also subject to the provisions contained in Chapter 9 of the General Financial Rules, 2017, as amended from time to time, read with the Government of India's decisions incorporated thereunder, and any other guidelines which may be issued in this regard, and in particular to the following conditions:-

- (i). The grant shall be utilized for the purpose of setting up of Centre for Entrepreneurship and Small Business Management (CESBM) in the campus of the JNVU, Jodhpur. Its utilization would result in setting up of one more new EDI for imparting Entrepreneurship Development Training to first generation entrepreneurs.
- (ii). The CESBM, Jodhpur shall keep/maintain a separate subsidiary Bank account for the Government Grants received and utilized. The money deposited/credited to the Bank A/c shall not be used for any other purpose. In addition, a separate bank account shall be maintained for the Government Grants.

The Grant released will be utilized by CESBM by 31.03.2018 for the purpose indicated in Para 2(i) above.

*[Signature]*



- (iv). The CESBM shall furnish performance-cum-achievement report on or before 30.06.2018 to the Sanctioning Authority.
- (v). The CESBM should maintain a register of permanent and semi-permanent assets acquired wholly or mainly out of the above grant in the prescribed format and copy thereof should be furnished to the Ministry.
- (vi). Assets acquired wholly or substantially out of Government Grant shall not be disposed of without obtaining the prior approval of the sanctioning authority of Grant-in-Aid.
- (vii). The accounts of CESBM shall be open for inspection by the sanctioning authority and audit, both by the Comptroller & Auditor General (CAG) of India under the provision of C&AG (DPC) Act, 1971 in accordance with the provisions laid down in Section 14 of the C&AG (DPC 1971) as amended from time to time and Internal Audit by the Principal Accounts Office of the Ministry of MSME, whenever it is called upon to do so.
- (viii). The grantee shall furnish the Utilization Certificate in the prescribed form GFR 12-A duly signed by the Head of Institution/Grantee latest by 31.03.2018. The Utilization Certificate in respect of grants should also disclose whether the specified, quantified and qualitative targets that should have been reached against the amount utilized were in fact reached, and if not, the reasons therefor. They should contain an output based performance assessment instead of input based performance assessment.
- (ix). The CESBM shall also furnish an audited statement of account of the financial year before 30.09.2018.
- (x). Grant-in-Aid shall be utilized subject to the Economy and other Instructions issued from time to time by the M/o Finance or by the Competent Authority.
- (xi). The unspent balance of NIL available with CESBM has been taken into account.
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- (xiv). The CESBM shall adhere to all the relevant provisions of GFR and any other instructions/ guidelines issued by the Government from time to time, while making procurement/ purchases of goods and services including compliance to GFR provisions in case of outsourcing of services and engagement of consultants.
- (xv). The JNVU has been exempted from execution of the bond. The JNVU shall, however, furnish an undertaking that it will comply with all the terms and conditions stipulated in the sanction order. In the event of failing to comply with the conditions or committing breach of the conditions of the bond, the signatories of the bond shall be jointly and severally liable to refund to the President of India, the whole or part amount of the grant with interest at 10% per annum thereon or the sum specified under bond.

*[Signature]*



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4. The total release under this object head, including the present sanction would be Rs.3,00,00,000/- during the current financial year as against the Budget Provision of Rs.3,00,00,000/- in RE:2016-17 for the financial year 2016-17.

5. The expenditure of Rs.75.00 Lakh (Rupees Seventy Five Lakh only) involved will be met from within the sanctioned budget grant of the Ministry under Demand No.58 Major Head (Entrepreneurship and Skill Development) 2851.00.800.53 Minor Head Grant-in-aid 53.01.35 (Grants for Creation of Capital Assets) of the Ministry of Micro, Small and Medium Enterprises for the year 2016-17.

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7. This issues with the concurrence of Integrated Finance Wing (Finance-I) of the Ministry of MSME vide their Diary No.145/US(Fin-I)/2017 dated 27.03.2017.

Yours faithfully,



(A.K. Chaube)

Dy. Secretary to the Government of India

☎ : 2306 1636

E-mail: [ak.chaube@nic.in](mailto:ak.chaube@nic.in)



No.S-14/9/2021-EDI[Cap]  
Government of India  
Ministry of Micro, Small & Medium Enterprises  
EDI Section

Udyog Bhawan, New Delhi-110011  
Dated the 28<sup>th</sup> December, 2021

To

**Pay & Accounts Officer,**  
Pay & Accounts office,  
Ministry of Micro, Small & Medium Enterprises,  
Nirman Bhawan, New Delhi.

**Sub: Release of 2<sup>nd</sup> installment of Grants-in-aid (Plan/Non-Recurring) of Rs.75,00,000/- (Rupee Seventy Five Lakh only) to Jai Narayan Vyas University (JNVU), Jodhpur during 2021-22 for setting up the Centre for Entrepreneurship and Small Business Management (CESBM) under the Scheme "Assistance to Training Institutions(ATI)".**

Sir,


Sanction of the President is hereby conveyed to the release of 2<sup>nd</sup> installment of Rs.75,00,000/- (Rupee Seventy Five Lakh only) in 2021-22 to Jai Narayan Vyas University (JNVU), out of the total approved amount of Rs.1.50 Crore under the Scheme "Assistance to Training Institutions" for setting up the Centre for Entrepreneurship and Small Business Management (CESBM) in the campus of the JNVU, Jodhpur at the estimated total cost of Rs.3.15 Crore. The rest of the project cost would be met by JNVU, Jodhpur from its own resources. The head-wise details of the cost estimates are given in the table below:-

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3.	Library	17.00
4.	Computers	7.50
5.	Miscellaneous	20.00
	<b>Total:</b>	<b>315.39</b>

2. The Grant-in-Aid will be regulated in accordance with the provisions contained in the Scheme/Guidelines. The Grant-in-Aid is also subject to the provisions contained in Chapter 9 of the General Financial Rules, 2017, as amended from time to time, read with the Government of India's decisions incorporated thereunder, and any other guidelines which may be issued in this regard, and in particular to the following conditions: -

- (i). The grant shall be utilized for the purpose of setting up of Centre for Entrepreneurship and Small Business Management (CESBM) in the campus of the JNVU, Jodhpur. Its utilization would result in setting up of one more EDI for imparting Entrepreneurship Development Training to first generation entrepreneurs.
- (ii). The CESBM, Jodhpur shall keep/maintain a separate subsidiary Bank account for the Government Grants received and utilized. The money deposited/credited to the Bank A/c shall not be used for any other purpose. In addition, a separate bank account shall be maintained for the Government Grants.

1 of 4

  
उद्योग भवन नई दिल्ली  
उप-सचिव, सूक्ष्म, मध्यम और बड़े उद्योगों के विभाग  
नई दिल्ली



- (iii). The Grant released will be utilized by CESBM by 30.09.2022 for the purpose indicated in Para 2(i) above.
- (iv). The CESBM shall furnish performance-cum-achievement report on or before 31.12.2022 to the Sanctioning Authority.
- (v). The CESBM should maintain a register of permanent and semi-permanent assets acquired wholly or mainly out of the above grant in the prescribed format and copy thereof should be furnished to the Ministry.
- (vi). Assets acquired wholly or substantially out of Government Grant shall not be disposed of without obtaining the prior approval of the sanctioning authority of Grant-in-Aid.
- (vii). The accounts of CESBM shall be open for inspection by the sanctioning authority and audit, both by the Comptroller & Auditor General (CAG) of India under the provision of C&AG (DPC) Act, 1971 in accordance with the provisions laid down in Section 14 of the C&AG (DPC 1971) as amended from time to time and Internal Audit by the Principal Accounts Office of the Ministry of MSME, whenever it is called upon to do so.
- (viii). The grantee shall furnish the Utilization Certificate in the prescribed form GFR 12-A duly signed by the Head of Institution/Grantee latest by 31.03.2023. The Utilization Certificate in respect of grants should also disclose whether the ~~specified, quantified and qualitative targets that should have been reached~~ against the amount utilized were in fact reached, and if not, the reasons therefor. They should contain an output based performance assessment instead of input based performance assessment.
- (ix). The CESBM shall also furnish an audited statement of account of the financial year before 31.12.2022.
- (x). Grant-in-Aid shall be utilized subject to the Economy and other Instructions issued from time to time by the M/o Finance or by the Competent Authority.
- (xi). The unspent balance of NIL available with CESBM has been taken into account.
- (xii). It is certified that no Utilization Certificate is pending from CESBM for the Grants-in-Aid released in previous years.
- (xiii). The CESBM shall certify that no Grants-in-Aid for this purpose or activities have been applied for or obtained from any other Ministry or Department of Government of India or State Government (except that indicated in Para {1} of this Sanction).
- (xiv). The CESBM shall adhere to all the relevant provisions of GFR and any other instructions/ guidelines issued by the Government from time to time, while making procurement/ purchases of goods and services including compliance to GFR provisions in case of outsourcing of services and engagement of consultants.
- (xv). The JNVU has been exempted from execution of the bond. The JNVU shall, however, furnish an undertaking that it will comply with all the terms and conditions stipulated in the sanction order.
- (xvi). The CESBM should send a pre-receipted bill to this office for release of fund against this sanction.





- (xvii). In no case the grant released under this sanction will be utilized for any purpose other than those indicated in the sanction. The grantee shall not divert the grants and entrust execution of the Scheme or work concerned to another Institution or Organization and shall abide by the terms & conditions of the grant and follow/adhere to all the relevant provisions of GFR regarding Grants in aid. If the grantee fails to utilize the grant for the purpose for which the same has been sanctioned or does not adhere to the terms & conditions of Grant and GFR provisions, the grantee/ Institution shall be required to refund the grant with interest @10% per annum.
- (xviii). The grantee institution shall not utilize the interest earned on the grants-in-aid released to the Institution for any purpose. The interest or other earnings against grants-in-aid or advances (other than reimbursement), released to the Institution shall be indicated in U/C and it would be mandatorily remitted to the Consolidated Fund of India immediately after finalization of the accounts.
- (xix). This sanction has been noted at Serial No. 2 in the Register of Grants (2021-22).
- (xx). Shri K. Thomas Maring, Under Secretary in this Ministry will act as Drawing and Disbursement Officer for the purpose of grant-in-aid in respect of this Sanction.

4. The total release under this object head, including the present sanction would be Rs.18,06,49,000/- during the current financial year as against the Budget Provision of Rs.20,00,00,000/- in BE:2021-22.

5. The expenditure of Rs.75.00 Lakh (Rupees Seventy Five Lakh only) involved will be met from within the sanctioned budget grant of the Ministry under Demand No.67, Major Head 2851.00.800.53 (Entrepreneurship and Skill Development) {Non-NER}, 53.01 Assistant to Training Institutions, Minor Head 53.01.35 {Grant for creation of Capital Assets} of the Ministry of Micro, Small and Medium Enterprises for the year 2021-22.

6. The bank details of the CESBM for making payment are as below:-

Name of the beneficiary	Name of the Bank where A/c of Orgn Held	Address/ Code of Bank Branch	A/c No.	MICR Code and IFSC Code
JNVU Centre for Entrepreneurship and Small Business Management	Punjab National Bank	Ratanada Colony, Jodhpur.	0712000100497913	MICR: 342024007 IFSC: PUNB0071200

7. This issues with the concurrence of Integrated Finance Wing (Finance-I) of the Ministry of MSME vide their Diary No.78/Fin-I/2021 dated 27.12.2021.

Yours faithfully,



(K. Thomas Maring)

Under Secretary to the Government of India

☎ : 2306 3289

✉ : [thomas.mk@nic.in](mailto:thomas.mk@nic.in)

3 of 4



Copy of Ministry of Micro, Small and Medium Enterprises sanction letter No.S-14/9/2021-EDI[Cap], dated 28.12.2021 forwarded for information and necessary action to:-

1. The Head, Centre for Entrepreneurship and Small Business Management (CESBM), Department of management Studies, Jai Narayan Vyas University, Jodhpur - 342001 (Rajasthan) with the request to furnish an undertaking, pre-receipted bill and a certificate that no Grants-in-Aid for this purpose or activities have been applied for or obtained from any other Ministry or Department of Government of India or State Government, to this Ministry for further necessary action.
2. O/o Commissioner Industries & Secretary, Corporate Social Responsibility (CSR), Government of Rajasthan, Udyog Bhawan, Tilak Marg, Jaipur - 302005.
3. The Director, Office of the Principal Director Audit, Economic & Services Ministries, AGCR Building, New Delhi.
4. I.F. Wing (Fin-I) - M/o MSME, Udyog Bhawan, New Delhi.
5. Budget Section, M/o MSME, Nirman Bhawan, New Delhi.
6. Principal Accounts Officer, Department of IP&P, Room No.555-A I, Udyog Bhawan, New Delhi.
7. Guard File.
8. Sanction Folder

(K. Thomas Maring)  
Under Secretary to the Government of India

☎ : 2306 3289

✉ : [thomas.mk@nic.in](mailto:thomas.mk@nic.in)

खलिंग थॉमस मरिंग / KHALING THOMAS MARING

अवर सचिव / Under Secretary

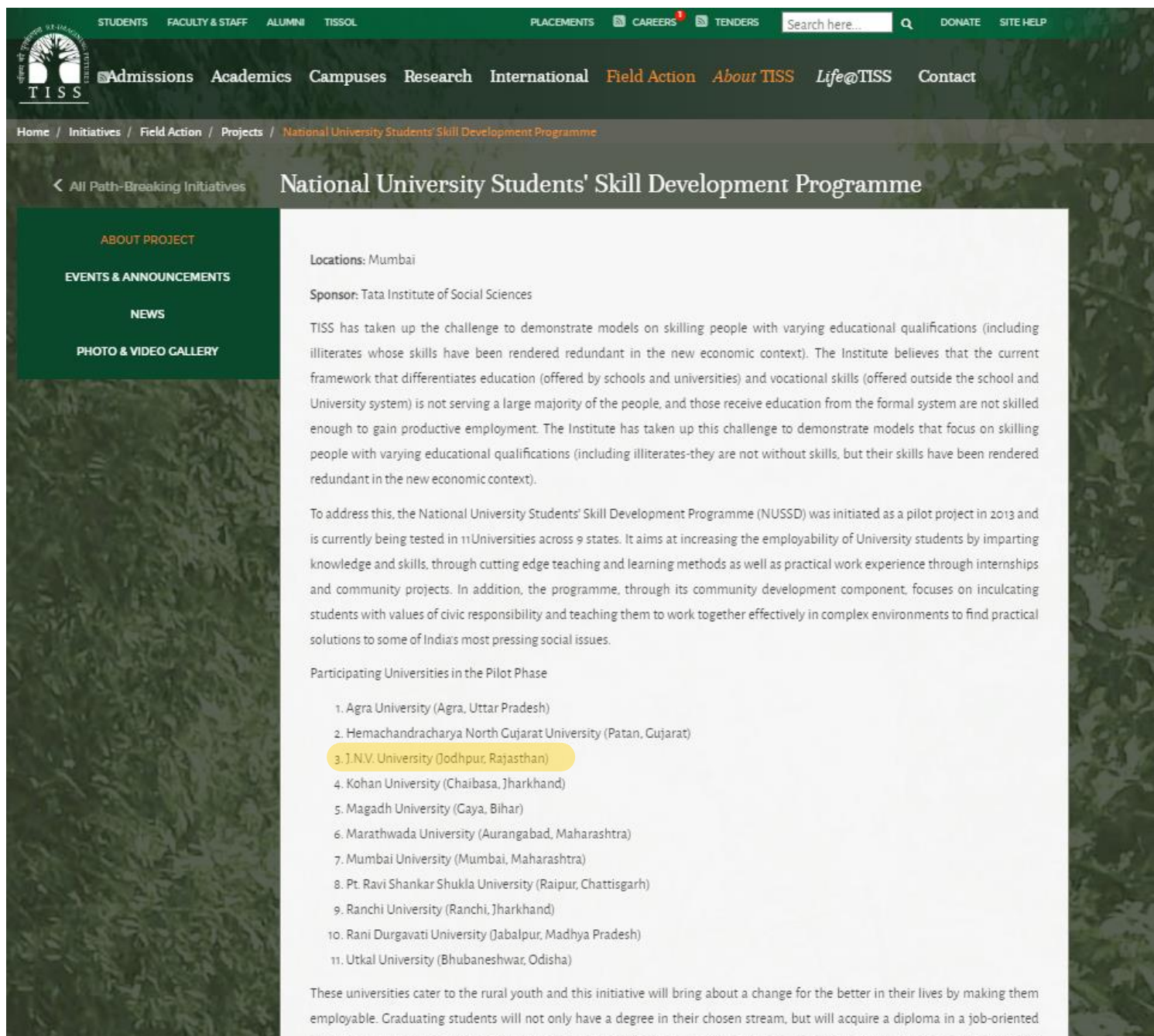
सूक्ष्म, लघु और मध्यम उद्यम विभाग

Ministry of Micro, Small & Medium Enterprises 4 of 4



## NUSSD-TISS: National University Student's Skill Development Program, sponsored by Tata Institute of Social Sciences, in which our university is an participating institute

<https://tiss.edu/view/11/projects/nussd-skill-development/>



The screenshot displays the TISS website's navigation bar with links for STUDENTS, FACULTY & STAFF, ALUMNI, TISSOL, PLACEMENTS, CAREERS, TENDERS, a search bar, DONATE, and SITE HELP. Below this is a secondary menu with Admissions, Academics, Campuses, Research, International, Field Action, About TISS, Life@TISS, and Contact. The breadcrumb trail reads: Home / Initiatives / Field Action / Projects / National University Students' Skill Development Programme. The main heading is "National University Students' Skill Development Programme". A left sidebar contains links for ABOUT PROJECT, EVENTS & ANNOUNCEMENTS, NEWS, and PHOTO & VIDEO GALLERY. The content area includes the following sections:

**Locations:** Mumbai

**Sponsor:** Tata Institute of Social Sciences

TISS has taken up the challenge to demonstrate models on skilling people with varying educational qualifications (including illiterates whose skills have been rendered redundant in the new economic context). The Institute believes that the current framework that differentiates education (offered by schools and universities) and vocational skills (offered outside the school and University system) is not serving a large majority of the people, and those receive education from the formal system are not skilled enough to gain productive employment. The Institute has taken up this challenge to demonstrate models that focus on skilling people with varying educational qualifications (including illiterates-they are not without skills, but their skills have been rendered redundant in the new economic context).

To address this, the National University Students' Skill Development Programme (NUSSD) was initiated as a pilot project in 2013 and is currently being tested in 11 Universities across 9 states. It aims at increasing the employability of University students by imparting knowledge and skills, through cutting edge teaching and learning methods as well as practical work experience through internships and community projects. In addition, the programme, through its community development component, focuses on inculcating students with values of civic responsibility and teaching them to work together effectively in complex environments to find practical solutions to some of India's most pressing social issues.

**Participating Universities in the Pilot Phase**

1. Agra University (Agra, Uttar Pradesh)
2. Hemachandracharya North Gujarat University (Patan, Gujarat)
3. J.N.V. University (Jodhpur, Rajasthan)
4. Kohan University (Chaibasa, Jharkhand)
5. Magadh University (Gaya, Bihar)
6. Marathwada University (Aurangabad, Maharashtra)
7. Mumbai University (Mumbai, Maharashtra)
8. Pt. Ravi Shankar Shukla University (Raipur, Chattisgarh)
9. Ranchi University (Ranchi, Jharkhand)
10. Rani Durgavati University (Jabalpur, Madhya Pradesh)
11. Utkal University (Bhubaneswar, Odisha)

These universities cater to the rural youth and this initiative will bring about a change for the better in their lives by making them employable. Graduating students will not only have a degree in their chosen stream, but will acquire a diploma in a job-oriented

# **OTHER FUNCTIONAL MOUs**









4. Research students and faculty members working at these Institutes would be permitted to carryout part of their research work at these institutes using the necessary laboratory facilities on recommendations of respective Head of the Institutions.
5. These institutes will provide, if need be, necessary guidance to the Research students and faculty members in the areas of their core competence.
6. The faculty of AIIMS, Jodhpur and faculty of JNVU may apply for collaborative projects jointly to national and international funding agencies within the regulations of respective institutions and will share the facilities at their respective institutes.
7. The research publications out of the jointly supervised work will be authored jointly by the research students and faculty members from both of the institutions. Any patents filed out of such a work will be credited jointly to both of the institutions.

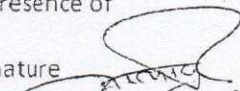
This MoU is signed between All India Institute of Medical Sciences (AIIMS), Jodhpur represented by Mr. Manish Kumar Srivastava, Registrar and Jai Narain Vyas University, Jodhpur represented by Prof. P. K. Sharma (B), Registrar on dated 24.4.18 at Jodhpur.

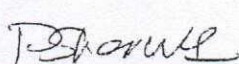
Authorized signatories:

  
The Registrar on behalf of Jai Narain  
Vyas University, Jodhpur (Rajasthan)

  
The Registrar on behalf of  
All India Institute of Medical  
Sciences (AIIMS), Jodhpur  
(Rajasthan)

In presence of

Signature  :  
Name: DR. LAL SINGH Rajpurohit  
Professor and Head  
Zoology Deptt,  
J.N.V. Univ, Jodhpur

Signature:   
Name: Dr Baveen Sharma  
Dean (Research)

COUNTER SIGNED

  
REGISTRAR  
Jai Narain Vyas University  
JODHPUR (Raj.)





राजस्थान RAJASTHAN

AK 728937

### MEMORANDUM OF AGREEMENT

This MEMORANDUM OF AGREEMENT is made on this **The 2<sup>nd</sup> day of July of Two Thousand and Eighteen** BY AND BETWEEN President of India, acting through, Adviser, Department of Biotechnology, Ministry of Science and Technology, Government of India, New Delhi, hereinafter referred to as the 'DBT' (which expression unless excluded by or repugnant to the subject shall mean and include its successor-in-office and assigns) of the ONE PART;

AND

Jai Narain Vyas University (JNVU), Jodhpur, is a State University constituted under section 2 (f) & 12B of the UGC Act, 1956, having its registered office in/at Residency Road, Jodhpur hereinafter referred to as 'JNVU' Jodhpur (which expression shall where the context so admits include its successors and permitted assigns) of the OTHER PART;

WHEREAS DBT being desirous of Agricultural Biotechnology (area of research to be given) decided to support a project submitted by PI Dr. H.S. Gehlot, Department of Botany, J.N.Vyas University, Jodhpur for the attainment of the objectives, hereinafter described in the Annexure I annexed hereto;

This Memorandum of Agreement (MoA) defines the role and responsibilities of the participating agencies, monitoring and other matters related to the "Diversity and molecular characterization of microsymbiont-Legume association in Meghalaya and Nagaland for developing consortia of microsymbionts with wide host range"

COUNTER SIGNED

REGISTRAR

Jai Narain Vyas Uni.  
JODHPUR (R)

DBT-Twinning Programme for NER 2017-18  
Department of Botany  
Jai Narain Vyas University, Jodhpur  
S. No. BT/PR24584/NER/95/762/2017



21- 62/7 8381 0782

राजस्थान राज्य विधिकेन्द्र, २०१६ के अनुसार

१. अपराध का अर्थ है...

२. गाय अर्थात्...

राजस्थान राज्य विधिकेन्द्र

*Handwritten signature*

[illegible]



NOW THE PARTIES HERETO AGREE AS FOLLOWS: -

**1.0 . ROLE OF DEPARTMENT OF BIOTECHNOLOGY, NEW DELHI**

To provide funds to the extent of Rs. 37, 20, 996/= (Rupees Thirty Seven Lakh and Twenty Thousand Nine Hundred and ninety Six only) over a period of Three years from the date of sanction of the project, to **Department of Botany, Jai Narain Vyas University, Jodhpur** for undertaking activities as detailed in Annexure 1. Details of the funds to be provided are given in Annexure II.

**2.0. ROLE OF DEPARTMENT OF BOTANY, JAI NARAIN VYAS UNIVERSITY, JODHPUR (Institute/NGO)**

- 2.1. To provide their contribution of Nil for 3 years from date of sanction of the project as detailed in Annexure – II. *(if a jointly supported project)*
- 2.2 To provide existing facilities as mentioned in the project document.
- 2.3 To be responsible for accomplishing objectives identified and activities listed.
- 2.4 To allow the Scientists authorized by DBT to work with the Research & Development team of the center in all stages of process development and production.
- 2.5 To recruit all scientific and non-scientific staff as sanctioned by DBT.
- 2.6 To prepare and submit all periodical reports and other documents that would be required by DBT.
- 2.7 To maintain a separate audit head of account for the grants received from DBT for the project.
- 2.8 To submit an annual audited statement of expenditure incurred under the project.
- 2.9 To ensure effective utilization of the grant given by DBT for the purpose for which it was granted and to ensure timely progress of project work.
- 2.10 The manpower, both scientific and non-scientific, recruited shall be purely on contractual terms & conditions such that the contract for engagement of the manpower shall run concurrently with the said project period only.

**3.0 DURATION OF PROJECT**

- 3.1 Duration of project shall be **3 years** from the date the Project has been sanctioned by DBT.

DBT-Twinning Programme for NER 2017-18  
Department of Botany  
Jai Narain Vyas University, Jodhpur  
S. No. BT/PR24584/NER/95/762/2017

COUNTER SIGNED  
REGISTRAR  
Jai Narain Vyas Univ  
JODHPUR (Raj)

#### 4.0 RIGHTS OF OWNERSHIP/TECHNOLOGY TRANSFER AND UTILIZATION

- 4.1 The know-how generated from the project by the **Project PI** will be the joint property of **JNVU, Jodhpur** and **DBT, Government of India**. It shall be the responsibility of **both** to take necessary action for protection of the intellectual property arising out of the **PROJECT** through proper instruments, such as, patents, copy rights, etc.
- 4.2 The know-how developed may be transferred to other entrepreneurs on a non-exclusive basis on such terms and conditions as may be determined by **DBT**.
- 4.3 All the assets including the equipment and produce acquired will be the property of **DBT** and shall not be utilized for purposes other than those for which the grant has been sanctioned. The rights of **Ownership/Technology and Utilization** under this MoA shall not be transferred to any other party without prior approval in writing of **DBT**.
- 4.4 It shall be the responsibility of **PI, Department of Botany, JNVU** to ensure that support of **DBT** is suitably acknowledged in the publications (papers, reports, etc.) arising out of the **PROJECT**.

#### 5.0 SECRECY

It is hereby agreed that the participating agencies shall keep information and data collected completely secret provided that the right to transfer the technology shall rest with the **DBT**.

#### 6.0 MONITORING

- 6.1 The progress of implementation of the project and proper utilization of grant shall be reviewed by the **DBT** and by the Monitoring Committee set up by **DBT**.
- 6.2 The periodic progress of physical achievements and the utilization of funds, statement of expenditure shall be evaluated by the Monitoring Committee.
- 6.3 The Comptroller and Auditor General of India, at his discretion shall have the right of access to the books and accounts of **JNVU, Jodhpur** for the grants received from **DBT** for this project.
- 6.4 The **DBT** may terminate the grant at any stage if it is convinced that the grant has not been properly utilized or appropriate progress has not been made. In the event, **DBT** terminates the grant, **JNVU, Jodhpur** shall hand over all documents including technical details and equipment purchased related to the project.

#### 7.0 DURATION OF MEMORANDUM OF AGREEMENT



This MoA will remain in-force for the duration of the project and until all claims are settled between **DBT** and **JNVU**, Jodhpur.

## 8.0 ARBITRATION

In the event of any question, dispute or difference whatsoever arising between the parties to this Agreement out of or relating to the construction, meaning, scope, operation or effect of this Agreement or the validity of the breach thereof shall be referred to an Arbitrator to be appointed by mutual consent of both the parties herein. If the parties cannot agree on the appointment of the Arbitrator within a period of one month from the notification by one party to the other of existence of such dispute, then the Arbitrator shall be nominated by the Secretary, Department of Legal Affairs, Ministry of Law & Justice, Government of India. The provisions of the Arbitration and Conciliation Act, 1996 will be applicable and the award made thereunder shall be final and binding upon the parties hereto, subject to legal remedies available under the law. Such differences shall be deemed to be a submission to arbitration under the Indian Arbitration and Conciliation Act, 1996, or of any modifications or reenactments thereof.

## 9.0. GOVERNING LAW

This Contract shall be governed by the Law of India for the time being in force.

IN WITNESS WHEREOF the parties hereto have signed, sealed and delivered this Agreement on the day, month and year first above written in presence of:

Witnesses:

Signed by -----

1.

-----  
(Designation)


2.

For and on behalf of The President of India


Witnesses:

Signed by -----

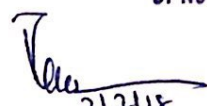
1.

  
(Prof. H.S. G. Bhat)  
PI  
DBT-Twinning Programme for NER 2017-18  
Department of Botany  
Jai Narain Vyas University, Jodhpur  
S. No. BT/PR24584/NER/95/762/2017

-----  
(Designation) -

COUNTER SIGNED  
  
REGISTRAR  
Jai Narain Vyas University  
JODHPUR (Raj.)

2.

  
31/7/18  
(Pawan K. Kasera)

For and on behalf of The J.N.Vyas University, Jodhpur

# **Memorandum of Understanding (MoU)**

*for*

**Technical Collaboration for taking up  
Joint Research & Development and Operational Activities**

*between*

**Jai Narain Vyas (JNV) University, Jodhpur**

*and*

**Regional Remote Sensing Centre-West (RRSC-W), Jodhpur  
National Remote Sensing Centre (NRSC), ISRO, Dept. of Space**

**Signed on this day \_\_\_\_ of May, 2018**

<b>Registrar Jai Narain Vyas (JNV) University Residency Road Jodhpur-342011, Rajasthan</b>	<b>Chief General Manager National Remote Sensing Centre (NRSC) ISRO, Dept. of Space, GOI Hyderabad – 500 037</b>
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# Memorandum of Understanding

## 1. PREAMBLE

This Memorandum of Understanding (MoU) is between *Regional Remote Sensing Centre-West (RRSC-W), Jodhpur*, National Remote Sensing Centre (NRSC), ISRO and *Jai Narain Vyas (JNV) University, Jodhpur & its affiliated colleges* with an aim to have partnership for taking up R&D and operational activities in the field of remote sensing applications, mobile apps, Decision Support Systems using GIS modeling, satellite data processing, image classification, data analytics etc.

### 1.1 Regional Remote Sensing Centre-West (RRSC-W), Jodhpur

Regional Remote Sensing Centre under National Remote Sensing Centre, Hyderabad has prime responsibility of satellite data processing, dissemination and developing applications in the field of remote sensing and GIS. RRSC-W/NRSC caters the need of north western states of the country through applications of geospatial technologies for natural resources management. This regional centre has temporal coverage of various natural resources, the satellite data and wealth of services from these resources. It has acquired large volumes of remote sensing data that may throw new light on how Earth system works, and opens up new challenges in processing, information extraction and mining of this big data to uncover the hidden patterns on earth processes. There is a strong need to develop scalable and efficient algorithms for knowledge extraction from these data sets. Specifically due to these reasons, RRSC-W/NRSC look forward to collaborate in broader research & development and application areas in image processing, data mining, geospatial applications, software engineering and social media.

### 1.2 Jai Narain Vyas (JNV) University, Jodhpur

Jai Narain Vyas University, formerly known as University of Jodhpur, was established in 1962. It has the onus of transforming life of people of western Rajasthan in particular and western part of the country in general through quality education and programmes of socioeconomic and scientific development. Western Rajasthan has unique geography, geology, history, culture, heritage and environment, fauna and flora. Various aspects have been incorporated in the university curricula to study these assets, and to preserve as well as promote for sustainable development. The university strives to play an important role to study these natural resources, environment as well as biodiversity of this area through implementation of different types of academic and R & D programmes.

Partnership of JNV University, Jodhpur and RRSC-W/NRSC, Jodhpur would go a long way in supporting of geospatial governance through content creation, therefore in consideration of terms and conditions contained herein the parties hereto agree as follows:

## 2. PARTIES

### 2.1 Indenting party:

Jai Narain Vyas University, Jodhpur, hereinafter called **JNV University, Jodhpur**.

### 2.2 Executing party:

Regional Remote Sensing Centre-West, Jodhpur/National Remote Sensing Centre (NRSC), ISRO, Dept. of Space, Govt. of India, hereinafter called as **RRSC-W/NRSC**.



### 3. AUTHORIZED SIGNATORY

Jai Narain Vyas University, Jodhpur (**JNV University, Jodhpur**) & its affiliated colleges represented by Registrar, (Hereinafter referred to as the **First Party**), and

Regional Remote Sensing Centre-West, Jodhpur/National Remote Sensing Centre (NRSC), ISRO, Department of Space, Government of India, (**RRSC-W/NRSC**) represented by General Manager (Hereinafter referred to as the **Second Party**). The Chief General Manager, National Remote Sensing Centre (NRSC) ISRO, Dept. of Space, GOI, Hyderabad – 500 037 who manages the activities of RRSC-W, Jodhpur will be the authorized signatory.

### 4. FUNCTIONARIES AND CONTACT ADDRESSES, PHONE, EMAIL

#### 4.1. JNV University , Jodhpur:

Sl. No	Name	Contact Address	Phone / Fax	Email
1	Prof. R. P. Singh	Vice Chancellor Jai Narain Vyas University Residency Road Jodhpur – 342 011	0291-2649465	vcjnvu@gmail.com
2	Prof. P. K. Sharma	Registrar, Jai Narain Vyas University Residency Road Jodhpur – 342 011	0291-2649733	jnvuregistrar1962@gmail.com
3	Prof. S. C. Mathur	Convener, Dept. of Geology Jai Narain Vyas University Residency Road Jodhpur – 342 011	0291-2721947	sureshsushma09@gmail.com

#### 4.2. RRSC-W/NRSC, Jodhpur

Sl.No.	Name	Contact Address	Phone / Fax	Email
1	Dr. S. Srinivasa Rao	General Manager RRSC (West), NRSC/ISRO CAZRI Campus Jodhpur – 342 003	0291-2660801	sitiraju@gmail.com
2	Dr. A. K. Bera	Head Applications RRSC (West), NRSC/ISRO CAZRI Campus Jodhpur – 342 003	0291-2660804	abera70@gmail.com
3	Er. Suparn Pathak	Scientist/Engr. 'SG' RRSC (West), NRSC/ISRO CAZRI Campus Jodhpur – 342 003	0291-2660824	s_pathak@hotmail.com
4	Dr. B. K. Bhadra	Scientist/Engr. 'SG' RRSC (West), NRSC/ISRO CAZRI Campus Jodhpur – 342 003	0291-2660806	bkbhadra63@gmail.com



All correspondence on day to day matters during the course of the project shall be between respective focal points identified in the above table.

## **5. EFFECTIVE DATE**

### **5.1. Commencement:**

This effective date for the commencement of this MoU will be the date of signing of the MoU by RRSC-W/NRSC and JNV University, Jodhpur.

### **5.2. Duration:**

This MoU is valid for a period of 5 years from the date of signing of MoU; and will be extended by mutual consent of the parties in writing.

## **6. SCOPE OF THE WORK**

In light of National Space Meet on “Promoting Space Technology based Tools and Applications in Governance & Development” in New Delhi on 07 September 2015, there is tremendous boost for geospatial technology applications in all ministries at Central and State level. NRSC, ISRO has taken up large number of projects in addition to its own programmes. Hence, collaboration with academic institutions is envisaged to sustain R&D activities and fulfill operational commitments. The activities proposed to be taken-up under this agreement shall have a separate project proposal, wherever financial aspects are involved. Amount, payment conditions, etc. would be spelt out clearly before starting the project activity.

Possible areas of R&D activities may include development, management and conservation of natural resources, environment, ecology, agriculture and allied fields using geospatial technologies, data analytics, mobile application development, geo-tagging, image processing and GIS analysis.

RRSC-W/NRSC and JNV University, Jodhpur recognize their strengths in research and education in disciplines of science and engineering, and their mutual interest in engaging themselves in academic cooperation. Therefore, both parties agree to establish a programme for academic cooperation in areas of mutual interest, and in accordance with terms and conditions set forth in this memorandum of understanding (MoU).

RRSC-W/NRSC and JNV University, Jodhpur agreed on:

- *Joint Research Projects* - Both the parties will permit research activities and joint research projects that can be undertaken in the fields of common interest.
- *Knowledge Sharing* - To exchange information on research and educational programmes.
- *Dissemination of Knowledge* - To jointly organize seminars, conferences, or workshops on topics of mutual interest, and to disseminate of knowledge in the fields of common interest.
- *Utilization of Academic Infrastructure* – Both RRSC-W/NRSC and JNV University will encourage the use of image processing and laboratory facilities whenever necessary. However, this will be subjected to the availability of the facility and approval from the concerned Head of the Department and/or the competent authority.



- **Ph.D. Programme –**

- JNV University will allow Scientist/Engineer, Junior/Senior Research Fellows, Research Associates, Project Scientists working at RRSC-W/NRSC, Jodhpur to register for doctoral programme in the pertinent Faculty of Science/Arts/Engineering/ Management/Commerce/Law, etc. Research work will be jointly supervised by the scientists of RRSC-W/NRSC and faculty of JNV University. Registered Ph.D. candidate will comply with the rules and guidelines of the JNV University for Ph.D. programme.
- RRSC-W/NRSC will allow registered Ph.D. students of JNV University at RRSC-W/NRSC for pursuing mandatory course work as well as thesis work as per Ph.D. regulations of JNV University. Research work will be jointly supervised by the scientist of RRSC-W/NRSC and faculty of JNVU.

## **7. METHODOLOGY**

The technical specifications and methodology of the projects to be taken up will be addressed separately.

## **8. DELIVERABLES AND GUIDELINES ON DATA / MAP SECURITY**

### **8.1. Deliverables**

As per project specifications

### **8.2. Data Security**

Data security as per prevailing Remote Sensing Data Policy would be adhered to. Necessary steps would be taken from both the parties to ensure the data security. In addition, Bhuvan platform would provide necessary infrastructure for ensuring the security of data.

### **8.3. Guidelines on Data / Map Security**

As per prevailing Remote sensing data policy and any other prevailing policies of Government of India relating to the data and maps.

### **8.4 Working Place**

As per the satellite data licensing and security guidelines, the project work will be executed at the campus of RRSC-W/NRSC, Jodhpur.

## **9. TECHNICAL SPECIFICATIONS:**

The required specifications will be given in Standard Operating Procedure of the Project proposal separately.

## **10. APPLICABLE DOCUMENTS**

- A. Remote Sensing Data Policy
- B. Project specific Standard Operating Procedure



## **11. RESPONSIBILITIES OF EACH PARTY**

### **11.1. RRSC-W/NRSC, Jodhpur:**

- RRSC-W/NRSC will collaborate with JNV University, Jodhpur for project specific requirements on case by case basis.
- Execution of modules/components of the ongoing projects of RRSC-W/NRSC through Graduate/Post Graduate students.
- Organizing workshops and conferences together with the expertise of RRSC-W/NRSC scientists related to geospatial technology domains to train, educate and improve understanding of students and staff.
- RRSC-W/NRSC will allow the technical visits of students per its existing policies to provide them with an exposure to various equipment, instrument, processes etc.
- Joint guidance of student projects/thesis in Remote Sensing, GIS & IT based activities
- Collaboration in Research areas of interest to ISRO at JNV University, Jodhpur and RRSC-W/NRSC on mutually agreeable terms.
- RRSC-W/NRSC will allow registered Ph.D. students of JNV University at RRSC-W/NRSC for pursuing mandatory course work as well as thesis work as per the Ph.D. regulations of JNV University. Research work will be jointly supervised by the scientists of RRSC-W/NRSC and faculty of JNV University. Joint guidance of student projects/thesis in GIS & IT based activities.

### **11.2. JNVU, Jodhpur:**

- JNV University will allow Scientist/Engineer, Junior/Senior Research Fellows, Research Associates, Project Scientists working at RRSC-W/NRSC, Jodhpur to register for doctoral programme in the pertinent Faculty of Science/Arts/Engineering/Management/Commerce/Law, subject to availability of seat and the merit of status of the candidate as per Ph.D. regulation of JNV University.
- Research work will be jointly supervised by the scientists of RRSC-W and faculty of JNVUniversity.
- JNV University, Jodhpur takes the responsibility to fulfill the project needs and goals defined as per the specific projects taken up in collaboration with the RRSC-W/NRSC.
- Within its capabilities, the institute will try their utmost best to combine the expertise of different disciplines available in the institute in order to come up with outcomes in the research and development areas of interest withRRSC-W/NRSC. Hereby, they ensure the integral and interdisciplinary approach which is required to cope with its complexity.

## **12. PROJECT SCHEDULE**

As per specific project proposal

## **13. SCHEDULE OF INSTALLATION, SUPPLY AND ACCEPTANCE TEST**

As per specific project proposal

## **14. CONSIDERATION / SCHEDULE OF PRICES**

As per specific project proposal



## **15. FUNDING & TERMS AND CONDITIONS OF PAYMENT**

Financial arrangements for each specific collaboration will be decided on a case-to-case basis and brought on record in each case after due approval from heads of both the Institutions.

## **16. TRAINING**

Project specific training programme will be organized, if required.

## **17. WARRANTY**

As agreed in the project by JNVU, Jodhpur and RRSC-W/NRSC.

## **18. PROJECT MONITORING**

The collaborative program between RRSC-W/NRSC and JNV University, Jodhpur shall be coordinated by a coordination committee appointed by Directors / Authorized signatory of both the parties.

## **19. CONFIDENTIALITY**

The confidentiality of the data / documents or any other materials shall be maintained by both the parties as per the sensitivity defined to it by any prevailing policies.

## **20. INTELLECTUAL PROPERTY RIGHTS**

- The originals of any reports and documents or materials prepared or inventions or information produced as a result of the services and all intellectual property rights therein, unless otherwise specifically stated in the MoU, shall remain with both the parties and either party can commercially exploit the specific IP with permission from the other.
- RRSC-W/NRSC and JNV University, Jodhpur reciprocally guarantee that all technical information and data generated under this MoU shall be treated as confidential and shall not be divulged by either party without prior written consent of the other even after the expiry of this MoU.
- If the outcome of a project related to product development, process technology and design etc. which involves matter of secrecy and concern with security of the State and the Country, the same will not be allowed for publication / printing in any form such as Electronically / verbal, etc. If the outcome of a project results into an intellectual property, for which rights can be secured, it will be decided on case to case basis. Similarly, sharing of expenditure in securing such rights and income accrued through royalty etc. by the parties under the law will be decided on case to case basis after mutual consultation.
- Research supervisors from both the Institutes will be the corresponding authors in any publication resulting from the collaborative work. All the efforts put by the student(s) as a part of this MoU will be accounted for by way of reporting the work in thesis and / or paper publication except the part for which IPR needs be claimed.
- Neither of the supervisors shall publish the work carried out under this MoU without knowledge of the other.



## **21. CHANGE IN SCOPE OF WORK**

Any change in scope of work would be with mutual consent of both the parties.

## **22. MODIFICATIONS**

Any further modifications to this MoU, if required, would be through amendments with mutual consent in writing.

## **23. FORCE MAJEURE**

Neither party shall be held responsible for non-fulfillment of their respective obligation under the agreement due to exigency of one or more of the unforeseen events such as but not limited to Acts of God, war, flood, earthquake, cyclones, strikes, lockouts, epidemics, riots, civil commotion etc. provided on the occurrence and cessation of such events, they effected thereby shall give notice in writing to other party within one month of such occurrence or cessation. If the force-majeure conditions continue beyond six months, the parties shall then mutually decide about the future course of action.

## **24. INDEMNITY**

JNV University and RRSC-W/NRSC shall exercise reasonable skill, care and diligence in the performance of the agreement and indemnify and keep indemnified each other in respect of any loss, damage or claim howsoever arising out of or related to breach of contract, statutory duty or negligence by any of their employees, agents or sub-contractors in relation to the performance or otherwise of the services to be provided under this agreement.

JNV University and RRSC-W/NRSC will indemnify and keep indemnified each other in respect of any loss, damage or claim whatsoever arising out of the use of data hosted by them through the Bhuvan Node server.

## **25. ARBITRATION**

- (i) In the event of any dispute or difference between the parties hereto, such disputes or differences shall be resolved amicably by mutual consultation. If such resolution is not possible, then unresolved dispute or differences shall be referred to arbitration of one of the arbitrators to be appointed by the Director at NRSC, Hyderabad. The venue of such arbitration shall be at Hyderabad. The language of arbitration proceedings shall be English. The arbitrator shall make a reasoned award (the "Award") which shall be final and binding on the parties. The cost of the arbitration shall be shared equally by the parties to the MoU. However, expenses incurred by each party in connection with preparation, presentation should be borne by the parties itself.
- (ii) Pending the submission of and/or decision on a dispute, difference or claim or until the arbitral award is published; the Parties shall continue to perform all of their obligations under this Contract without prejudice to a final adjustment in accordance with such award.

## **26. JURISDICTION**

Place where any dispute arising out by MoU or its terms shall be subject to Hyderabad only.



## **27. TERMINATION**

During the tenure of the agreement, either Party may terminate and nullify this Agreement/MoU by providing prior written notice of 30 days to the other party for any of the reasons - Cause/Convenience/Force Majeure

**27.1 Termination for Convenience:** For convenience without assigning any reason

**27.2 Termination for Cause:** For the breach of obligations/responsibilities/conditions of this agreement by the other party, with an opportunity to cure/rectify such a situation within thirty (30) days to the defaulting party and no remedial action is taken to the satisfaction of the aggrieved party.

**27.3 Termination for Force Majeure:** in the event of "Force Majeure" as defined in this MoU.


### **27.4 Obligations upon Termination**

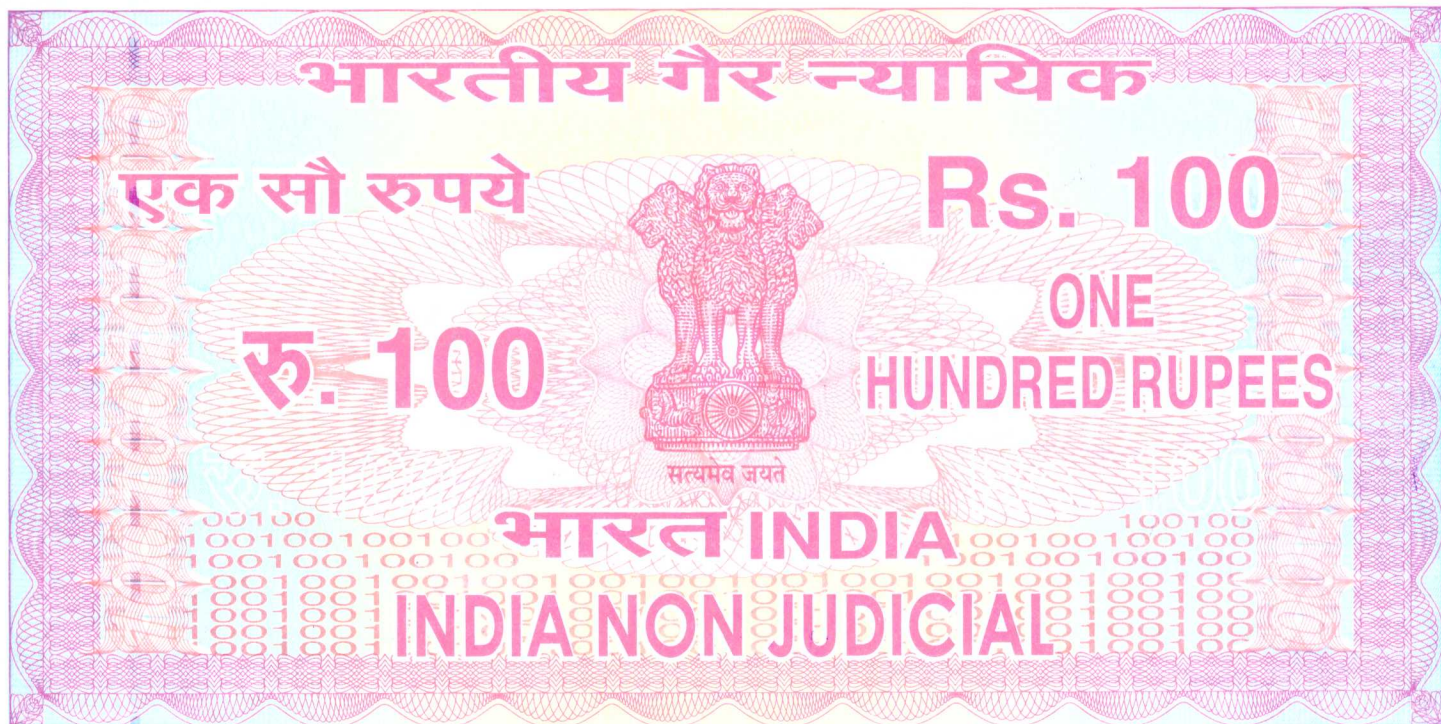
Following termination or expiration of this Agreement, in addition to any other obligations existing hereunder or otherwise at law or in equity,

- (a) The rights and obligations of the parties thereto shall be settled by mutual discussion; the financial settlement if any shall take into consideration not only the expenditure incurred but also the expenditure committed by the parties hereto.
- (b) The agreement arrived at between the parties hereto for the utilization of the intellectual property (defined in clause #20) shall survive the termination of the agreement.
- (c) Termination shall not affect the projects/ assignments agreed to be undertaken by both the parties before such termination and both the parties should complete such projects/ assignments as if this MoU is in operation.
- (d) On termination, the Partner Institute shall handover the data and disk which were used for processing to the NRSC.



IN WITNESS WHEREOF, the Parties hereto have caused this MoU to be signed in their respective names on this \_\_ day of May, 2018

<p style="text-align: center;"><b>Registrar</b> Jai Narain Vyas (JNV) University Residency Road Jodhpur – 342 011</p> <p>(Seal)</p>	<p style="text-align: center;"> <b>Chief General Manager</b> National Remote Sensing Centre (NRSC) ISRO, Dept. of Space, GOI Hyderabad – 500 037</p> <p style="text-align: center;">(उदय राज/Uday Raj) मु. महाप्रबंधक-क्षे.कें., एनआरएससी CGM (RCs), NRSC</p> <p>(Seal)</p>
<p>Witness:</p> <p>1. Name: ..... Address:..... .....</p> <p>2. Name: ..... Address:..... .....</p>	<p>Witness:</p> <p>1. Name: ..... Address:..... .....</p> <p>2. Name:..... Address:..... .....</p>



राजस्थान RAJASTHAN

AS 106203



**MEMORANDUM OF UNDERSTANDING (MOU) FOR ACADEMIC COLLABORATION**

BETWEEN

**Dr. Krishna Saharan, AGRICULTURE UNIVERSITY JODHPUR**

AND

**Dr. Nisha Tak, JAI NARAIN VYAS UNIVERSITY, JODHPUR**

This MoU is entered into on the 24<sup>th</sup> day of April, 2019 by and between **Dr. Krishna Saharan**, Assistant Professor at Agriculture University Jodhpur (hereinafter called AUJ) situated at Mandor, Jodhpur (Rajasthan) established by the State Govt. Act. No. 21 of 2013

**Dr. Nisha Tak**, Assistant Professor at Jai Narain Vyas University (hereinafter called JNVU), Jodhpur, a State University constituted under section 2 (f) & 12B of the UGC Act, 1956, having its registered office in/at Residency Road, Jodhpur.

The aforesaid Universities are hereinafter referred to individually as *University* and collectively as *Universities*.

This Memorandum of understanding (MoU) defines the academic role and responsibilities of the participating investigators of the project titled **"Bio-Fertilizer efficacy on important Pulses and arid Legumes; Development of Mass Production Strategies & Bio-Formulations."** to be submitted to DST, government of India.

*Ksahan*

*[Signature]*

*[Signature]*

*[Signature]*



**1. The objectives of the MoU are to promote:**

- i) Joint research activities under DST project
- ii) Exchange of academic and research (non-transgenic) materials and other information under DST project

**2. Technical areas of collaboration**

- i) To provide academic interaction by delivering special lectures at AUJ/ Department of Botany, JNVU on topics related to Microbiology and Biotechnology.
- ii) To provide necessary help in organizing short term training to the manpower sanctioned under DST project at AUJ/BNF and Microbial Genomics Lab., Department of Botany, JNVU for enhancement of skills.
- iii) Usage of academic infrastructure of AUJ/BNF and Microbial Genomics Lab., Department of Botany, JNVU by the manpower sanctioned under DST project
- iv) Joint supervision of PG thesis/ dissertation work as per the norms of AUJ and JNVU.

**3. Proposed mode of Collaboration**

Dr. Krishna Saharan and Dr. Nisha Tak propose to collaborate through the following:

- i) As per the expertise available training to students will be provided depending upon the availability of resources under DST project.
- ii) Role & responsibility of collaborators under the submitted DST project will be as following:

	Role	Responsibility
Principal Investigator at Implementing Organization: Dr. Krishna Saharan	<ol style="list-style-type: none"><li>1. Study the effect of consortium bio-fertilizers (PGPRs, AMF and N-fixing rhizobia) on growth, yield and quality of pulses and arid legume crops in glass house and field conditions.</li><li>2. Evaluate new isolated rhizobium consortia for growth promotion on chosen pulses and legume cultivars in glass house conditions.</li><li>3. Optimize a culture media for cost effective Mass Production and Develop Bio-formulations of isolated rhizobium strains</li></ol>	PI will extend all types of basic research related to Bio-fertilizers effect on selected crops; will conduct development of bio-formulation; will share her expertise related to mass production technology, culture media optimization through statistic approach (PBD & RSM); qualitative and quantitative analysis of metabolites; identification of new antifungal compound etc.
Collaborator at JNVU: Dr. Nisha Tak	<ol style="list-style-type: none"><li>1. Isolation and characterization of novel rhizobium strains from selective arid crop legumes</li></ol>	Co-PI will extend all types of basic training related to rhizobium technology;



	2. Screening of efficient N fixing crop-rhizobia using cross-inoculation experiments	Will share her expertise related to characterization (phenotypic, biochemical, molecular levels) of RNB strains and Glass house-pot experiments for cross inoculation studies.
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#### 4. Terms and conditions

- i) The cost of infrastructure development at AUJ should be borne by AUJ. No financial arrangements will be made by JNVU if DST sanctions this project.
- ii) Usage of AUJ / BNF and Microbial Genomics Lab., Department of Botany, JNVU academic infrastructure can be allowed, subject to its availability, approval of the respective Head of the facility/ department and/or respective University norms.
- iii) This cooperative endeavor work shall not demand any additional consumables from the Botany Department store/JNVU.
- iv) This MoU may be amended, renewed and terminated by mutual written agreement of Dr. Krishna Saharan and Dr. Nisha Tak at any time.

#### 5. Confidentiality

- i) Dr. Krishna Saharan and Dr. Nisha Tak agree to hold in confidence all information/data designated by the Universities as being confidential which is obtained from either *University* or created during the performance of the MoU and will not disclose the same to any third party without consent of the other *University*.
- ii) The above confidential clause under the MoU excludes the information/data possessed by either *University* before entering into this MoU or independently developed and/or information already available through public domain.

#### 6. Duration of MoU

This MoU, unless extended by mutual written consent of the Dr. Krishna Saharan and Dr. Nisha Tak, shall expire in five years after the effective date specified in the opening paragraph. However, on review, the MoU shall be extended for another two years on mutual consent.

#### 7. Intellectual Property Rights

The intellectual property (IPR) rights that arise as a result of joint research and collaborative activity under this submitted DST project the agreement will be worked out on a case to case basis and will be consistent with officially laid down IPR policies of the two *Universities*.

The know-how generated from this submitted DST project by the **Project PI** (Dr. Krishna Saharan) and **Co-PI** (Dr. Nisha Tak) will be the joint property of AUJ and JNVU.

*Ksah*

*[Signature]*

*Nisha*

*[Signature]*



It shall be the responsibility of **both investigators** to take necessary action for protection of the intellectual property arising out of this DST PROJECT through proper instruments, such as, patents, copy rights, etc.

By signing below, Dr. Krishna Saharan and Dr. Nisha Tak have caused this Memorandum of Understanding to be executed, effective as of the day and year first written above.



**Dr. Krishna Saharan**  
Agriculture University, Jodhpur  
Assistant Professor (Microbiology)  
College of Agriculture, Jodhpur  
Rajasthan-342304



**Dr. Nisha Tak**  
Jai Narain Vyas University, Jodhpur  
Assistant Professor  
Department of Botany  
Jai Narayan Vyas University  
JODHPUR

**Representatives from Institute/University:**



**Prof. Ummed Singh**  
Dean  
College of Agriculture  
Agriculture University, Jodhpur

**Dean**  
College of Agriculture  
Mandor, Jodhpur (Raj.)-342304



**Prof. Pawan K Kasera**  
Head of Department  
Department of Botany  
Jai Narain Vyas University, Jodhpur

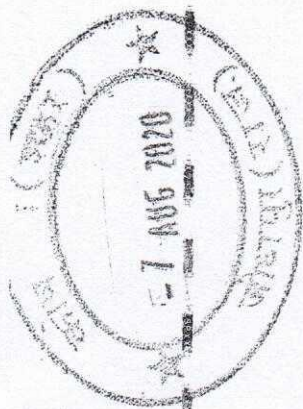
**PROFESSOR & HEAD**  
DEPARTMENT OF BOTANY  
J. N. VYAS UNIVERSITY  
JODHPUR-342005 (RAJ.)





राजस्थान RAJASTHAN

M 647117



#### MEMORANDUM OF UNDERSTANDING (MoU)

The term of Memorandum of understanding (MoU) between Indian Institute of Technology Jodhpur (IIT Jodhpur) and Jai Narain Vyas University, Jodhpur (Rajasthan) [JNVU] is to share the facilities and expertise related to Bioscience available and to explore, extend and strengthen the functional collaboration between the two institutions in the areas of bioscience related research. The Indian Institute of Technology, Jodhpur and JNVU hereby sign a MoU on the terms and conditions stated below;

1. The Research students and faculty members working in the domain of bioscience research, Jodhpur and JNVU may visit each other for sharing and utilization of facilities, expertise and for attending special lectures arranged at these centres from time to time.
2. In case required for the smooth functioning of the project, Principal Investigator / Supervisor may jointly opt for Co-Investigator / Co-supervisor from IIT Jodhpur and JNVU as the case may be.
3. Research students and faculty members working at these Institutes in the domain of bioscience research would be permitted to carryout part of their research work at these

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Jai Narain Vyas University  
JODHPUR (Raj.)





institutes using the available research facilities on recommendations of respective Head of the Institutions.

4. These institutes will provide, if need be, necessary guidance to the Research students and faculty members in the areas of bioscience research.
5. The faculty of IITJ and faculty of JNVU may apply for collaborative projects jointly to national and international funding agencies within the regulations of respective institutions and available facilities related to bioscience research.
6. The research publications related to bioscience research out of the jointly supervised work will be authored jointly by the research students and faculty members from both of the institutions. Any patents filed out of such a work will be credited jointly to both of the institutions.

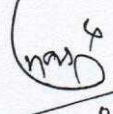
This MoU is signed between Indian Institute of Technology (IIT), Jodhpur represented by Professor Surajit Ghosh, Dean (R&D) and Jai Narain Vyas University, Jodhpur represented by Mrs. Chanchal Verma (RAS), Registrar on dated 05.11.2020 at Jodhpur.

Authorized signatories:

  
The Registrar on behalf of  
Jai Narain Vyas University  
(Rajasthan) **Registrar**  
Jai Narain Vyas University  
Jodhpur

  
Dean (R&D)  
Indian Institute of Technology Jodhpur  
(Rajasthan)

Witness :

1. Prop.   
05.11.2020

Witness :

1. Latika Mohan

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**REGISTRAR**  
Jai Narain Vyas University  
JODHPUR (Raj.)





Ph: 0291-2670404 (R)  
0291-2512710(O)  
8209036225 (M)

**Department of Civil Engineering**  
**M.B.M. Engineering College**  
**Faculty of Engineering & Architecture**  
**Jai Narain Vyas University, Jodhpur-342011**

**Dr. S.K. Singh**, Ph.D, PGD(Fin Mgt), M.E. ( Civil Engg), BE ( Civil)  
**Professor & Head**

No: jnvu/civil/20/83 .

Date: 15-12-2020

To  
The Hon'able Vice Chancellor  
Jai Narain Vyas University Jodhpur

Sub: Regarding MOA Information  
Ref.: office communication via mail on 8-12-2020

Hon'able Sir,

In reference to above mentioned subject, an MOA was signed with IIT Kanpur in which Faculty of Engineering & Architecture ( M.B.M. Engineering College) as a Member Institution (MI) along with IIT Kanpur as Lead Institution (LI) for the **Centre for Ganga River Basin Management and Studies [cGanga] a project of Ministry of Jal Shakti, Government of India.**

Head, Civil Engineering Department is the Institute coordinator and single point of contact for this MOA.

As per the instruction, Copy of MOA is enclosed for perusal.

With regards

Yours faithfully

(Dr. S.K. Singh)

(Dr. Suresh Kumar Singh)

Professor & HEAD

Department of Civil Engineering  
Faculty of Engineering & Architecture  
M.B.M. Engineering College  
Jai Narain Vyas University  
JODHPUR

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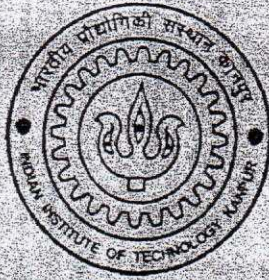
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Jai Narain Vyas University  
JODHPUR (Raj.)



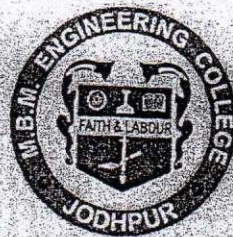
# MEMORANDUM OF AGREEMENT

BETWEEN



INDIAN INSTITUTE OF TECHNOLOGY KANPUR [IITK]

AND



FACULTY OF ENGINEERING & ARCHITECTURE  
(M.B.M. ENGINEERING COLLEGE)  
JAI NARAIN VYAS UNIVERSITY JODHPUR

FOR

CENTRE FOR GANGA RIVER BASIN MANAGEMENT AND STUDIES  
[CGANGA]

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SUPPORTED BY

NATIONAL MISSION FOR CLEAN GANGA  
MINISTRY OF JAL SHAKTI, NEW DELHI, INDIA

REGISTRAR  
Jai Narain Vyas University  
JODHPUR (Raj.)







Centre for Ganga River Basin  
Management and Studies [cGanga]  
Transforming Ganga | Valuing Water



**Memorandum of Agreement  
between IIT Kanpur and Faculty of Engineering & Architecture  
(M.B.M. Engineering College) Jai Narain Vyas University Jodhpur**

This Memorandum of Agreement (herein after referred to as MOA) is signed between the Indian Institute of Technology Kanpur (herein after referred to as IITK) as the Lead Institute (herein after also referred to as LI) of the Centre for Ganga River Basin Management and Studies (cGanga) having its registered office at IIT Kanpur, Kanpur, UP India and Faculty of Engineering & Architecture (M.B.M. Engineering College) Jai Narain Vyas University Jodhpur (herein after referred to as MBMEC) as a Member Institute (herein after also referred to as MI) having its registered office at Residency Road, Jodhpur (Rajasthan).

In this MOA, "IITK" and "MBMEC" are collectively referred to as the "Parties", and individually as a "Party", or "LI" for IITK, or "MI" for MBMEC, as appropriate, wherever the context so requires.

**WHEREAS**

- I. LI has signed a Memorandum of Agreement with the Ministry of Jal Shakti (formerly Ministry of Water Resources, River Development and Ganga Rejuvenation) for establishment of Centre for Ganga River Basin Management and Studies (hereinafter referred to as cGanga).
- II. cGanga is mandated to lead the Consortium of Science and Technology Institutions (CSTI) within India and outside as per requirement, and interest and capabilities of the member institutes. The Consortium is to be dynamic where member institutes and associated professionals may change with time.
- III. The MI under CSTI shall nominate a senior level faculty member/scientist/officer/executive, as the case may be, as Institute Coordinator for the CSTI.

This Memorandum of Agreement witnesses as follows:

Page 2 of 6



*[Signature]*  
JAI NARAIN VYAS  
UNIVERSITY  
FACULTY OF ENGINEERING  
M.B.M. ENGINEERING COLLEGE  
J.N.V. UNIVERSITY  
JODHPUR

**COUNTER SIGNED**

*[Signature]*  
REGISTRAR

Jai Narain Vyas University  
JODHPUR (Raj.)



## 1. Purpose of the Memorandum

- 1.1. The main purpose of this MOA is to facilitate the multi-institutional approach to achieve the mandate of cGanga and to set up understandings that lead to cooperation and coordination of activities within the scope of cGanga.
- 1.2. Where appropriate, the MI shall encourage its faculty members and researchers to develop and execute project proposals on the subject area and support activities which involve areas of broad co-operation including dynamic evolution of Ganga River Basin Management Plan (herein after referred to as GRBMP) prepared by Consortium of IITs, detailing of various Missions Reports of GRBMP and supporting the implementation of GRBMP through knowledge inputs.
- 1.3. Each MI should have a single point of contact with LI as its Institute Coordinator for all administrative and financial matters related to the execution of cGanga Projects.

## 2. Responsibility of the MI

- 2.1. The MI shall develop separate implementing agreements or arrangements with LI, or other MIs if necessary, to support any agreed specific collaborative activities (cGanga Projects) under the purview of this MOA.
- 2.2. This MOA will enable the MI to act in conformity with their internal rules.
- 2.3. The MI shall be responsible for:
  - 2.3.1. Management and coordination of activities, which will be referred as cGanga at MI, under the auspices of this MOA.
  - 2.3.2. Designation of appropriate officials to manage and coordinate joint activities.
  - 2.3.3. Where required and possible, provision of exchange of necessary facilities/services within institute and with LI and other MIs to facilitate the project activities.
- 2.4. Notwithstanding any other provision of this MOA, all activities under this MOA will be conducted in accordance with, and are subject to, all applicable laws and to all executive orders, guidelines and policies related to the subject matters of cGanga by the Ministry of Jal Shakti or any other Ministry of the Government of India (herein after referred to as Sponsoring Agency) which deals with or will deal with subject matters related to cGanga.

## 3. Financial Arrangements

- 3.1. Funds as mentioned in respective Implementing Agreement will be released by LI to the MI as "Grant".
- 3.2. All funds released by the LI shall be kept in the "Mother Project" at the MI.
- 3.3. The expenditure of "sub/daughter" projects shall be charged to the Mother Project after consolidation regularly at the end of certain periods (monthly, quarterly, half yearly, etc.) as may be decided by MI and communicated to LI.

Page 3 of 6



*S. K. Singh*  
DEAN  
FACULTY OF ENGINEERING  
JNMV ENGINEERING COLLEGE  
J. N. V. UNIVERSITY  
JODHPUR

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REGISTRAR

Jai Narain Vyas University  
JODHPUR (Raj.)



- 3.4. Expenditure Statement for each daughter/sub project and Utilization Certificate of Mother Project shall be submitted by the MI to the LI for every financial year within 30 days after the end of the financial year and as may be required by the Sponsoring Agency.
- 3.5. Interest earned, if any, will be appropriately accounted and shown in the Utilization Certificate for each financial year by the MI, and any unutilized amount shall be returned to the LI within 30 days of closure of all daughter/sub projects to cGanga by the MI.

#### 4. Implementing Agreements or Arrangements

- 4.1. Details of specific projects undertaken to implement the collaborative activities identified including tasks, responsibilities, milestones, deliverables, resources, and related conditions will be worked out by the Parties and any other cooperating/implementing entities/agencies as deemed appropriate and will be embodied as Implementing Agreements or Arrangements under this MOA. This MOA shall govern all such Implementing Agreements or Arrangements unless expressly stated otherwise. Projects established under this MOA will be coordinated through the heads of the two Parties or their designees. Coordinators and working groups may be appointed by mutual consent of the Parties, as required, to consider and act on matters related to the implementation of this MOA.
- 4.2. Dr Vinod Tare, Professor, Department of Civil Engineering and Founding Head, cGanga will execute the responsibilities mentioned in this MOA on behalf of LI (cGanga at IIT Kanpur).
- 4.3. The Vice Chancellor, Jai Narain Vyas University or his designee will execute the responsibilities mentioned in this MOA on behalf of the MI (cGanga at MI).
- 4.4. Periodic reports on the progress towards achieving the purpose of the MOA, including status reports on each of the projects undertaken shall be submitted to the LI by the MI. Such reports should outline future activity areas, represent proceedings of working groups, seminars or meetings and document the progress and results of various projects by the MI under this MOA.

#### 5. Data/Information Exchange

- 5.1. Each Party shall provide the other Party necessary project specific information, data and other documents for successful achievements of the objectives of this MOA. Information that may be exchanged under the auspices of this MOA may include information that is intended to acquaint the Parties, to identify common interests, and other such matters as may be necessary to properly define the appropriate level of cooperation between the Parties. In addition to the exchange of reports and other documents, such exchange of information may include workshops and other collaborative sessions that focus on research outcomes and the planning of collaborative activities.

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REGISTRAR

Jai Narain Vyas University  
JODHPUR (Raj.)



DEAN  
FACULTY OF ENGINEERING  
MBM ENGINEERING COLLEGE  
J. N. V. UNIVERSITY  
JODHPUR



5.2. Any data/information collected/generated by MI on behalf of cGanga or to carry out any activity or any daughter/sub project shall be made available to the LI in original/digital form.

5.3. Each Party will use the information provided to it only for the purpose intended and will give all possible protection to information, data and products of a confidential nature provided by the other Party. The details will be included in the specific implementation agreements, but at a minimum, this protection will include the same protection, which a Party accords its own information, data and products.

5.4. The application or use of any information exchanged or transferred between Parties under this MOA will be the responsibility of the receiving Parties. The supplying Party does not guarantee the sufficiency and appropriateness of such information for any particular application.

5.5. Each Party will retain the right to release public information regarding its own activities under this MOA. In cases where the activities of the other Party are also concerned, prior consultation shall be undertaken for releasing any public information.

## 6. Intellectual Property Rights

6.1. The treatment of intellectual property created in the course of collaborative activities under this MOA and relevant funding terms shall conform to the existing policies of the Parties and as may be agreed by the Parties separately for each project executed under this MOA.

## 7. Confidentiality

7.1. The Parties agree that all information or discussions relating to this Memorandum of Agreement, the fields of research or to the business affairs of the other Party which are of a confidential nature or which ought reasonably to be considered confidential ("Confidential Information"), shall not be disclosed by a Party to any third party without the prior written consent of the other Party.

7.2. Neither Party shall disclose or use any Confidential Information without the other Party's prior written permission. These obligations of confidentiality and non-use shall not apply to any information: (i) that it was lawfully in the receiving Party's possession before being disclosed to it by the disclosing Party; (ii) that lawfully enters the public domain; (iii) that was independently developed by the receiving Party without reference to the Confidential Information received from the disclosing Party; or (iv) which is required to be disclosed by law.

7.3. Both the Parties must ensure that their respective agents, employees and research partners who receive, or may receive, Confidential Information, are aware of, and are bound by, these confidentiality provisions.

## 8. Disputes

COUNTER SIGNED

Page 5 of 6

REGISTRAR

Jai Narain Vyas University  
JODHPUR (Raj.)



DEAN  
FACULTY OF ENGINEERING  
MBM ENGINEERING COLLEGE  
J. N. V. UNIVERSITY  
JODHPUR



8.1. Any disputes regarding interpretation or implementation of this MOA or its associated implementing agreements or arrangements will be resolved through mutual discussion by Heads of the Institutions of Parties.

## 9. Entry into Force and Term

9.1. Unless superseded by virtue of the Parties having entered into a subsequent implementation agreement, the MOA shall be effective from the date of signing of this MOA and shall remain in force for five calendar years. Thereafter, it may be renewed for any additional period as per mutual agreement in writing.

9.2. Either Party, upon ninety days written notice to the other Party in advance, may terminate this MOA at any time.

9.3. Unless otherwise agreed, termination or expiration of the MOA shall not affect the validity, terms and conditions, or duration of projects or programmes under this MOA that have been initiated prior to such termination.

## 10. Amendments

10.1. This MOA may be amended or extended by mutual agreement of the Parties. All such amendments/ extensions shall be in writing and signed by both the Parties. All amendments/ modifications/additions agreed upon by the Parties shall become part of this Agreement from the date of its signing by the Parties.

## Signatures

In witness whereof the Parties hereto have caused this agreement in duplicate to be executed hereunto set their respective hands on

Party 1: Lead Institute – IIT Kanpur

Signed

*Harish*

अधिष्ठाता  
DEAN  
अनुसंधान एवं विकास  
Research & Development  
आई.आई.टी. कानपुर  
I. I. T. KANPUR

Prof A R Harish

Dean, Research and Development  
Indian Institute of Technology Kanpur  
KANPUR – 208016, INDIA

11/10/20

Party 2: Member Institute – Faculty of Engineering & Architecture (M.B.M. Engineering College), Jai Narain Vyas University Jodhpur

Signed

*Ojha*

12/11/2020  
Prof Shrikant Ojha  
Dean

DEAN  
FACULTY OF ENGINEERING  
M.B.M. ENGINEERING COLLEGE  
J.N.V. UNIVERSITY  
JODHPUR  
Jai Narain Vyas University Jodhpur  
Jodhpur (Rajasthan)-342111, INDIA

COUNTER SIGNED





INDIAN INSTITUTE OF TECHNOLOGY, KANPUR  
Centre for Ganga River Basin Management and Studies  
IIT Kanpur

cGanga  
Dr Vinod Tare  
Professor & Founding Head

Shri (Dr.) S. K. Ojha  
Dean  
Faculty of Engineering & Architecture  
M.B.M. Engineering College  
Jai Narain Vyas University, Jodhpur, Rajasthan

September 9, 2020

**Subject:** Invitation to be a Member Institute (MI) of the Consortium of Science & Technology Institutes (CSTI) led by IIT Kanpur (Lead Institute, LI) to deliver the Mandate of cGanga fully supported by Ministry of Jal Shakti, GoI

Dear Sir:

I am delighted to invite your institute to be a part of the Consortium to develop the subject of River Science and Management, and participate in River Restoration and Conservation Programme of the Government of India as a Knowledge Partner in delivering the mandate of Centre for Ganga River Basin Management and Studies (cGanga in short). cGanga is led by IIT Kanpur and fully supported by Ministry of Jal Shakti, Government of India, post submission of the Ganga River Basin Management Plan in 2015 by the Consortium of IITs (referred as IITC) that was also led by IIT Kanpur. The participation could be in one or more ways as follows.

1. Participation in brainstorming sessions and events organized under various portfolio as in Annexure I and peer review of various reports prepared by Team cGanga.
2. Participate in various projects financially supported through funding available to cGanga or jointly develop project proposals to be funded by various national and international funding agencies.
3. Participate in implementing high impact projects.
4. Participate in gathering, analytics and dissemination of various kinds of data and information relevant to restoration and conservation of rivers.
5. Any other mode that could be mutually agreed and of interest to deliver on the mandate of cGanga.

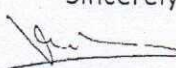
To facilitate participation and formalize working, a draft MOA is enclosed for your consideration. I will appreciate if the same could be signed and a person can be nominated as MI's Coordinator as envisaged in the draft MOA.

With regards,

COUNTER SIGNED

Enclosure: As stated

  
REGISTRAR  
Jai Narain Vyas University  
JODHPUR (Raj.)

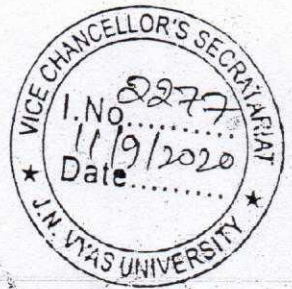
Sincerely,  
  
(Vinod Tare)



Date 1

To,

The Hon'ble Vice Chancellor  
JNV University  
Jodhpur



Dean  
Fac. of Engg.  
OIC (Genl)  
AR (Acad)

Respected Sir,



There has been an offer from IIT,  
to join as a member institute in the CG  
project financed by Jal Shakti Ministry, Govt.  
An MOA has to be signed on behalf of the University.  
Kindly allow the Dean, Faculty of Engineering & Architecture to sign the document and oblige.

Thanking you,

Registrar/Dean, Engg

Permitted.  
I authorize Dean Engineering  
to sign MOA for C. Ganges.

ee  
11.9

Faithfully  
Surge

(DR. SHRIKANT)

COUNTER SIGNED

REGISTRAR  
Jai Narain Vyas University  
JODHPUR (Raj.)

Mail sent to Dean, Engg  
10/12/20





cGanga

Centre for Ganga River Basin  
Management and Studies  
Indian Institute of Technology, Kanpur

Dr Vinod Tare  
Professor & Founding Head - cGanga

Prof S K Singh  
Professor and Head  
Department of Civil Engineering  
M.B.M. Engineering College Jodhpur  
JNVU Jodhpur

October 25, 2020

Subject: MoA between cGanga at IIT Kanpur and MBMEC, JNVU Jodhpur  
Reference: Letter No. JNVU/DFE/2020/1891; dated September 25, 2020

Dear Dr Singh:

We acknowledge the receipt of letter on the subject received from 'he Dean, Faculty of Engineering and Architecture (MBMEC), JNVU Jodhpur.

With this letter, cGanga at IIT Kanpur as Lead Institute (LI) acknowledges that the Head, Civil Engineering Department, MBM Engineering College, Jodhpur will be the single contact person as Coordinator, and authorised to manage all relevant technical, financial and administrative activities of the cGanga at MBMEC, Jodhpur as Member Institute (MI).


As per MoA, MI will maintain a separate account for funds received for cGanga Activities at MI and the Coordinator will be responsible for organising timely submission of reports on various activities carried out, Statement of Expenditure and Utilization Certificate.

Kind Regards,

Copy to:

1. The Vice Chancellor, JNVU Jodhpur
2. The Dean, Faculty of Engineering and Architecture (MBMEC), JNVU Jodhpur

Sincerely,

  
(Vinod Tare)

Dr. Vinod Tare  
Professor  
Environmental Engg. & Management  
Department of Civil Engineering  
Indian Institute of Technology  
Kanpur-208016, INDIA

COUNTER SIGNED



REGISTRAR  
Jai Narain Vyas University  
JODHPUR (Raj.)



MANOJ KUMAR K.  
Scientist-D

## Information and Library Network Centre

(An Autonomous Inter-University Centre of UGC)

### सूचना एवं पुस्तकालय नेटवर्क केन्द्र

(विश्वविद्यालय अनुदान आयोग का स्वायत्त अंतर विश्वविद्यालय केन्द्र)

Infocity, P.B. No. 4, Gandhinagar - 382007, Gujarat, INDIA

Ph.: +91-79-23268000 - 499, Web : [www.inflibnet.ac.in](http://www.inflibnet.ac.in)





# INFLIBNET Centre

## Memorandum of Understanding (MoU) for Shodhganga/Shodhgangotri (A Repository of Theses and Dissertations submitted to the Universities in India)

This Memorandum of Understanding (MoU) is made and entered into on 05 (Day) 03 (Month) 2020 (Year) between the INFLIBNET Centre, an IUC of University Grants Commission located at Gandhinagar, hereinafter referred to as "INFLIBNET" and Jai Narain Vyas University, Jodhpur (University / Deemed University / Inter-University Centre), here in after referred to as the 'University'.

WHEREAS, INFLIBNET Centre, an Inter-university Centre of the University Grants Commission, as its mandate, promotes open access to scholarly content generated in universities. The Centre has computers, network, software infrastructure and technical know-how required for hosting electronic versions of theses and dissertations in open access with interface to search, retrieve and access these content.

Jai Narain Vyas University, Jodhpur (Rajasthan) (University / Deemed University / Inter University Centre) has agreed to take part in the process of digitisation of old theses and dissertations (not available in computerized machine-readable format) and building-up of digital repository and to promote, share and host its ETD in 'Shodhganga: A reservoir of Indian theses submitted to the Universities in India' and other universities in open access. 'Shodhganga' is a name coined by INFLIBNET Centre for referring to the repository of Indian Electronic Theses and Dissertations. The word "Shodh" originates from Sanskrit and stands for research and discovery. The 'Ganga' is the holiest, longest and largest river in Indian subcontinent which has held heart of its people captive and drawn millions of people to its banks since the dawn of history. The Ganga is the symbol of India's age-long culture and civilization, ever changing, ever flowing, ever loved and revered by its people. "Shodhganga", a repository of theses and dissertations submitted to Indian universities, is expected to keep growing to a formidable size as more and more researchers from India submit their research works to this ever growing reservoir. Under the initiative called "Shodhgangotri", research scholars / research supervisors in universities are requested to deposit electronic version of approved synopsis submitted by research scholars to the universities for registering themselves for the Ph.D programme.


This Memorandum of Understanding (MoU) defines responsibilities, liabilities and commitments of the institutions involved to ensure proper system implementation, to meet the objectives pertaining to submission and access to Electronic Theses and Dissertations as envisaged by the UGC vide its Notification (Minimum Standards & Procedure for Award of M.Phil/Ph.D Degree), Regulation, 2009 dated 1st June, 2009 / amendment made on 5<sup>th</sup> May 2016.

NOW, THEREFORE, in consideration of the mutual agreements herein contained, INFLIBNET and the University agree to the following terms and conditions:

### I. INFLIBNET Centre

1. Provide access to ETD hosting server(s) at the INFLIBNET Centre 'Shodhganga'/Shodhgangotri' to the University with accompanied software interface enabling University / its student to create metadata and upload their theses and dissertations in ETD repositories designed for this purpose. The INFLIBNET will take the responsibility of keeping the data intact and usable, keep back-up of the data so as to avoid its loss. The INFLIBNET will deploy

Pg 1 of 4

  
Chairperson  
Library Board,  
J.N.V. University  
JODHPUR

  
Registrar  
Jai Narain Vyas University  
Jodhpur

  
Checked and Verified



tools and techniques of digital preservation to ensure continuing access to scholarly content in digital formats and to protect them from media failure, physical loss and obsolescence.

2. Recommend to the UGC to extend financial assistance to the Universities under Sections 12(B) and 2(f) of UGC Act for digitization of theses and dissertations not available in computerized machine-readable format and / or for procurement and installation of a suitable computer system / infrastructure for creation of ETDs.
3. Provide configuration of system, specifications and technical guidance to the University for procurement of computer hardware and related systems for setting-up of ETDs.
4. Provide guidelines, technical standards and specifications for digitization of Ph.D. theses submitted to the university in past and for theses not available in computerized machine-readable format.
5. Impart training to at least one person from the university (from library field and / or from computer field) in creation, updation and computerized operation of digital repositories of ETDs especially on 'Shodhganga'.
6. Extend access to an anti-plagiarism software or provide services to evaluate theses for possible plagiarism and submit a report to the concerned university.
7. The INFLIBNET may refuse to host any material deemed by the INFLIBNET to be controversial in nature or is in violation of copyright act.
8. This right of refusal will not relieve the University / Ph.D. scholar of liability, both to INFLIBNET and to the public, for matter contained in the theses that may be libelous or actionable and to both INFLIBNET and copyright owners for copyright infringement by the Ph.D. Scholar.
9. The INFLIBNET Centre will not be responsible for i) errors, omissions, inaccuracies and quality of content or misinformation or for any damages caused to the user or any third party from the use of content provided in the theses; ii) safety and archiving of loaded content in cases of "force majeure" including natural calamities; and iii) printed version of theses.
10. INFLIBNET Centre will recommend or provide access to plagiarism software which university may use to detect plagiarism before awarding the degree.
11. The INFLIBNET Centre replicates the content of theses and dissertations on different server and other auxiliary storage media. However, the INFLIBNET Centre does not take the responsibility for the archiving or backing-up of loaded content. The universities, therefore, should also keep a back-up of their theses and dissertations.

*The*  
Chairman  
Library Board,  
J.N.V. University  
JODHPUR

Pg 2 of 4

*(Signature)*  
Checked and Verified

*(Signature)*  
Registrar  
Jai Narain Vyas University  
Jodhpur



12. INFLIBNET Centre also maintains a repository called "Shodhgangotri" for hosting the approved synopses of research topic submitted to the universities by the students for registering themselves under the doctoral programme. Research students/their supervisors are encouraged to submit approved synopses/research proposals and register their priority on a research proposal through the repository.

## II. The University

1. The University would grant non-exclusive worldwide license to the INFLIBNET Centre for hosting and distributing their theses in digital format in 'Shodhganga'/'Shodhgangotri' or any other server designated for this purpose.
2. The University / its researcher scholars agree to host / upload a computerized machine-readable file in mutually agreed format of all theses on to the 'Shodhganga'/'Shodhgangotri' server at the INFLIBNET.
3. The University will not hold INFLIBNET Centre responsible for any errors and omissions contained in the original theses.
4. The University commits to digitize theses and dissertations and their bibliographic records submitted to the university and provide necessary infrastructure including manpower support for operation of ETDs.
5. Commits to utilize the assistance provided by the UGC on recommendation of the INFLIBNET for implementation of ETDs including their digitization.
6. Deputes at least one person from the university (from library field or from computer field) for undergoing training on implementation of ETD organized by the INFLIBNET and ensure that the person trained by INFLIBNET on ETD is / are deployed for the same job.
7. Arranges to provide training to research scholars or users of its library and staff of colleges affiliated to University in creation of electronic version of theses and their deposition in the ETDs.
8. Ensures use of standard software and metadata schema suggested / provided by the INFLIBNET for setting-up / development / operation of its ETDs .
9. Creates bibliographic records of all theses and dissertations submitted to the university in standard bibliographic formats prescribed by the INFLIBNET Centre from time-to-time and contributes these records for inclusion in the INFLIBNET's Union Catalogue (IndCat).
10. Commits to sharing of library ETD resources / databases with the INFLIBNET Centre as well as with other universities.

Pg 3 of 4

*The*  
Chairman  
Library Board,  
J.N.V. University  
JODHPUR

*h*  
Registrar  
Jai Narain Vyas University  
Jodhpur

*[Signature]*  
Checked and Verified



11. The University would agree to host their ETDs in the digital repositories 'Shodhganga or other servers' set-up at the INFLIBNET Centre, and grant non-exclusive licence to the Centre to make electronic version of theses in full-text (theses that are born digital as well as those that are digitized using scanners / digital cameras) accessible through open access ETD.
12. The University shall not use electronic version of theses digitized using funds given by the UGC for any commercial purposes. The University shall not rent, sell or license the use of or deliver or release or otherwise part with the possession of the systems / software or the INFLIBNET ETDs databases, Shodhganga or any part thereof to any other party (individual, institution, organization, etc.)
13. The University will also commit their own funds or grants for fulfillment of the project, if the project on implementation of ETDs demands more resources and funds to complete it.
14. The University will use the plagiarism software recommended by the INFLIBNET and made accessible to test the thesis submitted by the student for plagiarism before awarding the Degree. If the university is not subscribing to such software, it will use the software from the nearest Regional Centre, if any.
15. University would encourage and ensure that Research Scholars/ Research Supervisors deposit host their approved Research Proposals/ approved synopses on the "Shodhgangotri" once Ph.D. is registered.

### 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. Upon termination of this Agreement, the INFLIBNET / University will stop hosting their theses immediately while keeping the theses already deposited by the University in its archives for its users. The University shall stop using the INFLIBNET's ETD facilities and databases and return any software / hardware or digitized content provided by or through the INFLIBNET, back to INFLIBNET within the 3 months notice period.

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

UNIVERSITY:

Vice Chancellor / Registrar  
or designated authority

**Jai Narain Vyas University**

(Name, Signature and Stamp)

INFLIBNET:

Prof J P Singh Joorel,  
Director

INFLIBNET Centre,

An IUC of University Grants Commission  
Infocity, Gandhinagar - 382 007.



Checked and Verified



# MEMORANDUM OF UNDERSTANDING

BETWEEN

Department of Mining Engineering  
M B M Engineering College  
Jai Narain Vyas University  
JODHUR

AND

Mining Engineers' Association of India  
Rajasthan Chapter, Jodhpur

COUNTER SIGNED

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REGISTRAR  
Jai Narain Vyas University  
JODHUR





राजस्थान RAJASTHAN

P 190303

## MEMORANDUM OF UNDERSTANDING

This memorandum of understanding (hereinafter called as the "MoU") is entered into on this the 23rd day of September Two Thousand Twenty (23.09.2020), by and between

Department of Mining Engineering, Jai Narain Vyas University, Jodhpur, The first party represented herein by its Vice Chancellor (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

Mining Engineers' Association of India, Rajasthan Chapter, Jodhpur, presently having its office at 8, West Patel Nagar, Circuit House Road, Jodhpur-342011 (Raj.) and functioning as one of the chapter of the

*[Signature]*

*[Signature]*

Dr  
NOTARY JODHPUR  
09/10/2020

COUNTER SIGNED

*[Signature]*  
REGISTRAR

Jai Narain Vyas University  
JODHPUR (Raj.)



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21/09/2020

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COUNTER SIGNED

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dal Narein Vyas University  
JODHPUR (Raj)



Mining Engineers' Association of India, having its headquarter office at F-608 & 609, 6<sup>th</sup> Floor, Raghu Ratna Towers, 'A' Block, Chirag Ali Lane, Abids, Hyderabad-500001. The second party represented herein by its Chapter Chairman/ representative (hereinafter referred as "Second Party" which expression, unless excluded by or repugnant to the subject or context shall include its successors – in office, administrators and assigns), (First and Second Party are hereinafter jointly referred as "Parties" and individually as "Party") and

**WHEREAS:**

- A) First party is Higher Educational Institute named:

Department of Mining Engineering  
M. M. Engineering College  
Jai Narain Vyas University  
JODHPUR

First Party and Second Party believe that collaboration and co-operation between themselves will promote more effective use of each other's resources to promote mining education in the state 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 in the field of mining industry.
- D) Both parties, being legal entities in themselves desire to sign this MoU for advancing their mutual interests.

*[Signature]*

NOTARY JODHPUR

*[Signature]*

COUNTER SIGNED

*[Signature]*

REGISTRAR  
Jai Narain Vyas University  
JODHPUR (RAJ)



- E) "Mining Engineers' Association of India", Rajasthan Chapter, Jodhpur, the Second Party is engaged in providing a common platform to Mining Engineers, academicians, researchers and entrepreneurs to share and discuss their views for the development of industry.
- F) "Mining Engineers' Association of India", Rajasthan Chapter, Jodhpur, the Second Party is promoted by "Mining Engineers' Association of India" from its headquarter office at F-608 & 609, 6<sup>th</sup> Floor, RaghvaRatna Towers, 'A' Block, Chirag Ali Lane, Abids, Hyderabad-500001..

#### 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 operation within the department and its facilities. The parties shall keep each other informed of potential opportunities and shall share all information that may be relevant to additional opportunities for one another.

1.2 First and Second party co-operation will facilitate effective utilization of the intellectual capabilities of the members and faculties providing significant inputs to them in developing suitable / training systems keeping in mind the needs of the industry.

1.3 The general term of co-operation shall be governed by this MoU. The parties shall cooperate with each other and shall, as promptly as

*[Signature]*

*[Signature]*

COUNTER SIGNED

NOTARY JODHPUR

REGISTRAR  
Jai Narain Vyas University  
JODHPUR (RAJ)



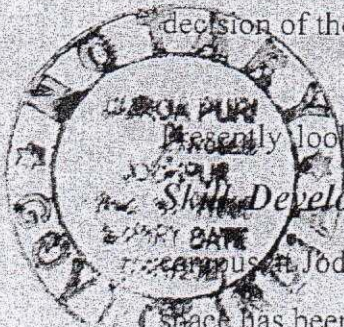
reasonably practical enter into all relevant agreements, deeds and documents mutually decided by the parties.

1.4 This MoU shall supersede any prior understanding between the parties on the subject matter hereof.

## CLAUSE 2: SCOPE OF THE MoU

The budding graduates, Mining Entrepreneurs and mining professional from the institutions and industry could play a key role in technological up-gradation, innovations and competitiveness of mining industry. Both parties believe that close co-operation between the two would be of major benefit to the student community to enhance their skill and knowledge.

2.1 **Development of Infrastructure:** Second party will help financially in creating and for the development of infrastructure supportive to education and skill training in various trades in mining industry & the department subjective to the demand from the department and internal decision of the second party.



Presently looking in to the need, second party has decided to develop **Skill Development Centre (SDC)** in the premises of First party's campus at Jodhpur with an initial expenditure of Rs. 10.0 lacs. For this, a space has been provided with the mutual consent of both the parties

*[Signature]*

*[Signature]*

COUNTER SIGNED

*[Signature]*

REGISTRAR

Jai Narain Vast University  
JODHPUR (RAJ.)

*[Signature]*  
NOTARY JODHPUR



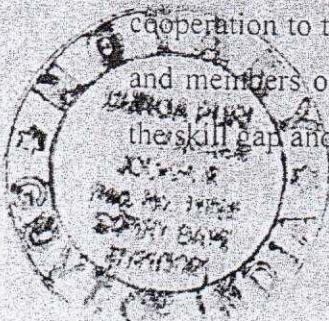
The centre will be used for the students of Mining Engineering Department, Mining Industry persons, Members of MEAI.

**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 and mining professionals are updated about latest developments in the mining field and for effective academic-industry interaction.

**2.3 Industrial Training and Visit:** Industry and Institution interaction will give an insight into the latest developments / requirements of the industries; the Second party to help in arranging the Faculty and Students of the First party to visit the industries and complete Industrial training Programs

**2.4 Research and Development:** Second party has agreed to help financially and technically for the joint research in the fields of Mining Engineering.

**2.5 Skill Development Programs:** Both parties have agreed to extend cooperation to train the students of First party, mining industry personnel and members of MEAI on the emerging technologies in order to bridge the skill gap and make them industry ready.



*[Signature]*

*[Signature]*

COUNTER SIGNED

NOTARY JODHPUR

REGISTRAR  
Jodhpur  
JODHPUR (RAJ.)



2.6 Guest Lectures: Second party to extend the necessary support to deliver guest lectures in the department on the technology trends and in house requirements.

2.7 Faculty Development Programs, Seminars, and Workshops: Both parties agreed to train faculties of First party and other institutions, industry engineers/personnel and the students of first party by organizing such events in collaboration.

2.8 Placement of Trained Students: Second party will actively engage to help the delivery of the training and placement of students of the First party in to internships/jobs.

2.9 There is no financial commitment on the part of the Department of Mining Engineering, M B M Engineering College, Jai Narain Vyas University, JODHPUR, the First party to take up any program mentioned in the MoU. If there is any financial consideration, it will be dealt separately.

### CLAUSE 3: VALIDITY

3.1 This agreement will be valid until it is expressly terminated by either party on mutually agreed terms, during which period Mining Engineers Association of India, Rajasthan Chapter, Jodhpur, the Second, Party as the case may be, will take effective steps or implementation of this MoU. Any act on the part of Mining Engineers Association of India, Rajasthan

COUNTER SIGNED

NOTARY JODHPUR

REGISTRAR  
Jai Narain Vyas University  
JODHPUR (Raj.)



Chapter, Jodhpur, the Second Party, after termination of this agreement by way of communication, correspondence etc., shall not be constructed as an extension of this MoU.

3.2 Both parties can terminate this MoU upon 90 calendar days' notice in writing for the breach of conditions of MoU, which are to be communicated in writing. However, either party shall provide opportunity to other party to rectify the breach and if it is rectified within 90 days than this MoU cannot be terminated. In the event of termination both parties have to discharge their obligations.

#### CLAUSE 4: RELATIONSHIP BETWEEN THE PARTIES

4.1 It is expressly agreed that First party and Second party are acting under this MoU as independent contractor, 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 representative 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.

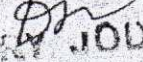
4.2 Any divergence of difference derived from the interpretation or





COUNTER SIGNED

  
REGISTRAR

  
NOTARY JODHPUR

Jai Narain Vyas University  
JODHPUR (RAJ.)



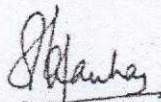
application of the MoU shall be resolved by arbitration between the parties as per Arbitration Act, 1996.

AND WHEREAS the First Party and Second Party has agreed on the above terms & conditions. Now both the parties shall be bound by these terms & conditions.

IN WITNESS WHERE OF these presents have been executed by the authorized representatives of the parties hereto the day and the year first above written.

For

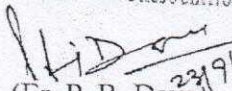
Jai Narayan Vyas University

  
(Prof. S. K. Parihar)  
23/11/2020  
HEAD  
Department of Mining Engineering  
Faculty of Engineering  
Department of Mining Engineering,  
M B M Engineering College,  
Jai Narain Vyas University,  
JODHPUR  
Phone: 0291-2515154  
Head of mining@jnvu.edu.in

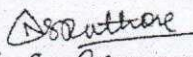
For


Mining Engineers' Association of India

MINING ENGINEER'S ASSOCIATION OF INDIA

  
(Er. P. R. Dave)  
23/11/2020  
Chairman

Mining Engineers' Association of  
India, Rajasthan Chapter, Jodhpur,  
8-West Patel Nagar,  
JODHPUR  
M-9950970971  
meai\_jodhpur@yahoo.co.in

Witness 1:   
R. S. RATHORE  
VICE CHAIRMAN MEAI, Jodhpur  
B-14 SIR PRATAP  
COLONY  
JODHPUR

Witness 2:   
Y. J. SANKHLA  
Secretary  
MEAI, Jodhpur



NOTARY JODHPUR

COUNTER SIGNED

REGISTRAR

Jai Narain Vyas University  
JODHPUR (Raj.)



JAI NARAIN VYAS UNIVERSITY, JODHPUR  
(ACADEMIC SECTION)

No.JNVU/Aca/A/16903

Dated: 14/09/2020

✓ The Head  
Department of Mining Engineering  
M.B.M.Engineering College  
Jai Narain Vyas University  
Jodhpur.

Dear Sir,

With reference to your letter No.JNVU/FE/MI/2020-21/67 dated 02.09.2020 for approval on the draft copy of MoU to be made between MEAI and Department of Mining Engg., JNVU, Jodhpur for development of Skill Developoment Centre in the premises of Mining Engineering Department. In this connection it is to inform you that as per orders of the Hon'ble Vice-Chancellor the draft submitted by you is approve and permitted to take further necessary action in the matter keeping in view no financial liability will be applicable at University level.

Yours faithfully,

  
REGISTRAR

COUNTER SIGNED

  
REGISTRAR  
Jai Narain Vyas University  
JODHPUR (Raj.)



## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MoU) made and executed at Jodhpur on 4/3/2020<sup>0</sup> March 04, 2020 between **JAI NARAIN VYAS UNIVERSITY, JODHPUR**, having its campus at **Residency Road , Jodhpur** (hereinafter referred to as **JNVU, Jodhpur** which expression shall, unless it is repugnant to the subject or context thereof, include its successors, assignees and /or nominees)

And

**RAJASTHAN ILD SKILLS UNIVERSITY , JAIPUR** having its campus at Khasa Kothi , MI Road , Jaipur (hereinafter referred to as **RISU , Jaipur** which expression shall, unless it is repugnant to the subject or context thereof, include its successors, assignees and /or nominees)

Whereas

**Jai Narain Vyas University, Jodhpur** holds the distinction of being premier state University of higher learning in Rajasthan. It was established in 1962 by Jodhpur University Act (Act XVII) and recognized from the time of its inception under sections 2f and 12B of UGC Act. The main objective of the University has been the creation and dissemination of knowledge.

And Whereas


**RAJASTHAN ILD SKILLS UNIVERSITY , JAIPUR** is a State University of Rajasthan established under the provisions of Rajasthan ILD Skills University Act , 2017 (Act no. 6 of 2017) for imparting skill education and training in the state of Rajasthan

### 1. Scope of MoU:

Both the parties in principle agree to work in the following areas of collaboration:

- a) cooperate in the exchange of information relating to their activities in teaching and research in fields of mutual interests.
- b) collaborate in curriculum development for skill education and General education
- c) provide mutual access to facilities for the academic purposes as mutually agreed between the parties prior to commencement of the activity:
- d) conduct short courses, as mutually agreed in writing between the parties prior to commencement of this activity:
- e) areas of collaboration may be proposed by either institution and may include, but are not limited to:
  - Joint teaching, research, or cultural activity;
  - Mobility of faculty, scholars, and students between institutions;
  - Staff professional development;
  - Sharing or creation of educational materials and resources.

The RISU offers Concurrent Skills Courses to the students enrolled with other State Funded University as per its regulations. These courses in skill education can be taken up concurrently with the main course for

  
Registrar  
Jai Narain Vyas University  
Jodhpur

  
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Jai Narain Vyas University  
JODHPUR (Raj)



which students has already enrolled. The classes are conducted beyond regular course timings. JNVU agrees to permit student enrolled by it for pursuing Concurrent Courses being provided by the RISU.

Any specific activity developed under this MOU shall be detailed in a subsequent agreement, signed by each institution's authorized signatory, which will describe the scope of the proposed activity, intended outcomes, budget, and responsible departments or individuals.

## **2. Commencement and Validity:**

This Memorandum of Understanding shall commence on the date of signing of this MoU and shall remain valid initially for a period of five years (05), thereafter extendable upon review of activities and mutual interest.


## **3 Commercials:**

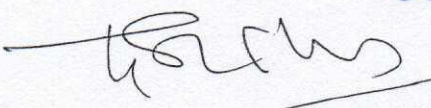
Both the Parties shall work out commercials with respect to each individual work plan separately. In no case any financial or academic liability on one party would be transferrable on the other party.

## **4 Terminations:**

- 4.1 In case of breach of contract both parties may, without assigning any reason, terminate this Memorandum of Understanding at any time by giving to the other party three month notice in writing sent by registered post or Speed Post or Courier.
- 4.2 Without prejudice to any other remedies both Parties shall have the right at any time by giving notice in writing to each other for terminating the Memorandum of Understanding forthwith in any of the following events:
  - 4.2.1 Any of the parties commit the breach of any of the terms or conditions of this Memorandum of Understanding.
  - 4.2.2 Any party enters into liquidation, whether compulsorily or voluntarily (otherwise than for the purposes of amalgamation or reconstruction) or compounds with creditors or takes or suffers any similar action in consequence of debt or in the case of an individual or a partnership.
  - 4.2.3 Any of the parties are guilty of any conduct which legally is prejudicial to the contracts interests.
  - 4.2.4 No party shall have authority to purport or assign the burden or benefits or charge the benefits of this Memorandum of Understanding without the consent in writing of the other Party.

**COUNTER SIGNED**

  
Registrar  
Jai Narain Vyas University  
Jodhpur



  
**REGISTRAR**  
Jai Narain Vyas University  
JODHPUR (Raj)



## 5 Force Majeure

- 5.1 If the performance of the obligations under this Memorandum of Understanding is prevented by reason of any contingencies, which could have been reasonably avoided and are beyond the control of the parties, the party so affected shall not be liable to the other for damages to the extent of such prevention. Such contingencies include strikes of workers, fire, flood, explosion, riots sabotage, acts of God and war or enemy action.

## 6 Notice

- 6.1 Save as hereinbefore otherwise provided, any notice required to be given hereunder shall be sufficiently given to each other if forwarded by registered post, speed post, courier, to the last known postal address of the parties. Every notice shall be deemed to have been received and given at the time when in the ordinary course of transmission it should have been delivered at the address to which it was sent.

## 7 Indemnity:

- 7.1 Both parties shall indemnify the each other against all losses, damages or claims that may arise out of any unauthorized representations made by their employees or representatives.

In witness thereof the parties have set their hands and seal on the day month and year first written.

For  
Jai Narain Vyas University,  
Jodhpur

For  
RISU, Jaipur

Name and designation of signatory:

( Mrs. Chanchal Verma )  
(Registrar, JNVU)

(Devendra Kumar Sharma)  
(Registrar, RISU)

Witness (A. R. Acad.)

Witness:

(Ashok K Nagawat)  
Director Skill Education

COUNTER SIGNED

REGISTRAR  
Jai Narain Vyas University  
JODHPUR (Raj.)





राजस्थान RAJASTHAN

AZ 214025

This Memorandum of Understanding (herein after referred to as MoU) is made on 13<sup>th</sup> day of Sept 21 month 2021 by and between the Arid Forest Research Institute (AFRI), PO Krishi Upaz Mandi New Pali Road, Jodhpur-342005 is the part of Indian Council of Forestry Research and Education (First party), on the one part and the Jai Narain Vyas University, Jodhpur, 342001 (herein after called second party on the other part (who for the purpose of this MoU are herein after collectively referred to as the parties).

The parties, having discussed fields of common research interests and allied activities between the two institutions, have decided to enter into collaboration for promotion of basic and advance research in subject of Forestry, Botany, Zoology, Chemistry, Environment Science and other allied subjects.

WHEREAS the "First Party" is involved in the research activities in applied research programs, capacity building and knowledge sharing on forest, biodiversity conservation, ecosystem, climate change vulnerability, climate change mitigation and adaptation and livelihood of forest dependent communities.

COUNTER SIGNED

*[Signature]*

*[Signature]*

*[Signature]*

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Jai Narain Vyas University  
JODHPUR (Raj.)



WHEREAS the "Second Party", is involved in basic and advanced research in subject of plant science, animal science, chemical science and environment Science.

WHEREAS it has been considered expedient to agree in writing to participate jointly in the projects requiring expertise and logistics from both the parties.

### Background

This Memorandum of Understanding (MoU) sets for the terms and understanding between the Arid Forest Research Institute, Jodhpur and Jai Narain Vyas University, Jodhpur to collaborate in basic and applied research programs, organizing joint seminars, conferences workshops, and sharing research project and publications.

### PREAMBLE

Whereas, Arid Forest Research Institute, Jodhpur, established in 1987, is a research institute focusing its research activities in the fields of forestry research and biodiversity conservation in Rajasthan, Gujarat and Dadra and Nagar Haveli and Daman & Diu, India. It has strength in not only identifying and articulating intellectual challenges straddling a number of disciplines of knowledge but also in mounting research, training and demonstration projects leading to development of specific problem-based advanced technologies that help carry benefits to society at large.

Whereas, Jai Narain Vyas University, Jodhpur, a constituent education institute of State Government, Rajasthan, was established through *vide* Act No.17 of 1962 and recognized by University Grants Commission (UGC), New Delhi as academic and research organization. Arid Forest Research Institute, Jodhpur & Jai Narain Vyas University, Jodhpur have agreed to collaborate with the following general provisions and terms.

### Article 1: Objective

Providing a general framework for long term collaboration and mutual understanding in areas of mutual interest, pertaining to develop arid ecosystem and collaboration in education and publication between Arid Forest Research Institute, Jodhpur and Jai Narain Vyas University.

### Article 2: Scope of Collaboration

Subject to the terms, this MoU signed by authorized representatives of each party, the parties hereby agree to cooperate as follows:

To offer collaboration as felt desirable and feasible on either side, and both sides would contribute to the fostering and development of the cooperative relationship between respective organization on identified areas of research and education.

COUNTER SIGNED

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Jai Narain Vyas University  
JODHPUR (Raj.)



### Article 3: Scope of MoU

The scopes of collaboration of this Memorandum includes the following:

- Research collaboration in the areas of mutual interest, particularly those pertaining to combating desertification and managing arid ecosystem.
- Organizing joint seminars, webinar, conferences, training and workshops,
- Joint research projects and publications.
- Exchange of research scholars/faculties for research collaboration and capacity building programmes.
- Internship opportunities at Arid Forest Research Institute for the students of Jai Narain Vyas University, Jodhpur.

### Article 4. Management

Director of the First party and the Vice-Chancellor/Head of the Institution of the Second party will be responsible to workout operational details of co-operation between the two organizations and ensure proper and effective implementation of this MoU.

The Advisory Committee will meet at least once in a year alternatively in the institutions of the First party and the Second party to review the activities. This meeting shall include presentation on the academic and research activities, which should be open to the scientists, faculty and students.

### Article 5: Implementation

To implement this Memorandum, the following is mutually understood and agreed:

- Two nominees from each institution will constitute a Joint Coordination Committee to oversee collaboration between the two parties.
- Each institution will nominate one of its expert members as its representative in charge of any cooperative program on each identified thematic area.
- Proposals for collaborative research work under this memorandum will be submitted through the normal procedures of each institution.
- Individual projects/programmes of research work developed under this Memorandum and/ or capacity building programmes will be the subject of individual agreements in writing clearly spelling out commitments and liabilities of both the parties and where appropriate will be jointly developed and executed by the nominees of both the parties.

COUNTER SIGNED

REGISTRAR  
Jai Narain Vyas University  
JODHPUR (Raj.)



- Each party will ensure appropriate protection of Intellectual Property Rights generated from cooperation pursuant to MoU, consistent with laws, rules and regulations of India.
- Progress of work of any individual collaborative research project/programme will be reviewed and approved by designated project officers of both parties, in accordance with its individual agreement.
- The final approval of any collaborative research project/programme will depend on the availability of the guaranteed support funds.
- Neither AFRI nor JNVU will be held responsible for any liability, and neither party shall be required to purchase any insurance against loss or damage to any personal/ institutional property to which this Memorandum relates.
- Research instrumentation facility and library facilities available with the first party and the second party will be made available to the scientist, faculty and research scholars. However, the costs of specific consumable will be borne by the respective organizations.
- The use of scientific equipments by either of parties will be allowed by either sides on the realisation of charges in vogue. However, owing to signing of this MoU there will not be any financial implication on the part of either parties.
- There shall be an exchange of scientist, faculty and students for academic, research and training purposes. Wherever possible, as per extant fee.
- Both parties understand that all financial agreement will have to be negotiated separately and will depend on the availability of funds.

#### **Article 6: Intellectual Property Rights (IPR)**

The parties may sign an Intellectual Property Rights (IPR) document in order to secure rights when it comes to research results and publications.

#### **Article 7: Limitation of Personnel Activities**

The Parties shall ensure that any personnel engaged in the activities and/or programs under this MoU shall not interfere with the internal political independence, sovereignty, and territorial integrity of the latter, any commercial ventures, and avoid any activities outside the aims of this MoU unless separate written arrangement.

**COUNTER SIGNED**

  
**REGISTRAR**  
**Jai Narain Vyas University**  
**JODHPUR (Raj.)**



### **Article 8: Confidential Information**

Each Party's rights, title, interest in its confidential information remains unaffected by the existence of this MoU.

- Neither party is obliged to disclose any confidential information to the other party pursuant to this MoU and each party undertake to observe confidentiality and secrecy of any information and other data received from the other party, and any outputs jointly obtained, except as mutually consented to in writing by the other party, during the period of the implementation of activities under this MoU or any arrangement made pursuant to this MoU.
- Any disclosure or exchange of confidential information will be covered in separate subsidiary arrangements.

### **Article 9: Commencement, renewal, termination and amendment**

This Memorandum is effective as of the date of execution by the later of the appropriate officers of each signatory institution to sign. This Memorandum shall remain in force for a period of three (3) years from the date of signing, with the understanding that it may be terminated by either party giving at least three months' notice to the other party in writing. This Memorandum may be amended or extended by mutual consent in writing of the two parties.

### **Article 10: Dispute Settlement**

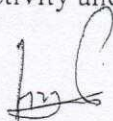
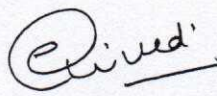
Any dispute, controversy or difference as to the interpretation of this MoU will be settled amicably by mutual consent between the Parties.

### **Article 11: Validity of MoU**

This MoU shall enter into force on the date of the completion of the signing by the parties. It shall remain in force for the duration of 03 (three) years from the date of signing of this MoU and may be extended by mutual written agreement of the parties.

Either party may terminate this MoU at any time by notifying the other party of its intention to terminate this MoU in writing.

Unless agreed otherwise by the parties, the termination of this MoU shall not affect the validity and duration of any ongoing arrangement, activity and contract made under the MoU until the completion of such arrangement, activity and contract.

COUNTER SIGNED

  
REGISTRAR  
Jai Narain Vyas University  
JODHPUR (Raj.)



In WITNESS WHEREOF the undersigned, duly authorized thereto, have signed this Memorandum of Understanding. Done at Jai Narain Vyas University, Jodhpur on the 13<sup>th</sup> day of Sept 21 month 2021 in two originals.

Signature with seal

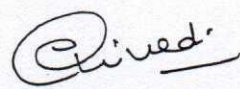
Date:

  
(M.R. BALOCH), IFS

PCCF & Director, AFRI निदेशक  
Director  
For Arid Forest Research Institute रस्थान  
Arid Forest Research Institute  
Tel No. 0291-2722549 (O)  
Email: dir\_afri@jodhpur.org (RAJASTHAN)

Signature with seal

Date: 13.9.2021

  
(Prof. Pravin Chandra Trivedi)

Vice-Chancellor

Jai Narain Vyas University, Jodhpur  
Prof. (Dr.) Pravin Chandra Trivedi  
Vice-Chancellor  
Jai Narain Vyas University  
Jodhpur (Raj.)  
Tel No. +91-291-2722549 (O)  
Email: vcjnvu@gmail.com &  
vc@jnvu.edu.in

Witnesses:

Signature

Name : Dr. G. Singh, Sci-G

Designation : GC(R), AFRI

Signature

Name : Dr. Tarun Kant, Sci-F

Designation : Head, GTI Division

Signature

Name : Prof. K. R. Genwa

Designation : Professor, Chemistry

Signature

Name : Prof. Praveen Gehlot

Designation : Professor, Botany

COUNTER SIGNED

  
REGISTRAR  
Jai Narain Vyas University  
JODHPUR (Raj.)



MEMORANDUM OF UNDERSTANDING

BETWEEN

DR. SARVEPALLI RADHAKRISHNAN RAJASTHAN AYURVED UNIVERSITY,  
JODHPUR

AND

JAI NARAIN VYAS UNIVERSITY, JODHPUR

For facilitating

Academic and Research

This Memorandum of Understanding (herein after referred to as MoU) is made on 11<sup>th</sup> October, 2021 by and between the Dr. Sarvepalli Radhakrishnan Rajasthan Ayurved University, Jodhpur (First party), on the one part and the Jai Narain Vyas University, Jodhpur, 342001 (herein after called second party on the other part (who for the purpose of this MoU are herein after collectively referred to as the parties).

The parties, having discussed fields of common research interests and allied activities between the two institutions, have decided to enter into collaboration for promotion of basic and advance research in subject of Botany, Zoology, Chemistry, Environment Science and other allied subject.

WHEREAS the "First Party" is involved in the research activities in applied research programs, capacity building and knowledge sharing on AYUSH discipline.

WHEREAS the "Second Party", is involved in basic and advanced research in subject of plant science, animal science, chemical science and environment Science.

WHEREAS it has been considered expedient to agree in writing to participate jointly in the projects requiring expertise and logistics from both the parties.

COUNTER SIGNED

*Chined'*

*[Signature]*

*[Signature]*  
RAJASTHAN  
Jai Narain Vyas University  
JODHPUR (Raj.)



## Background

This Memorandum of Understanding (MoU) sets for the terms and understanding between the Dr. Sarvepalli Radhakrishnan Rajasthan Ayurved University, Jodhpur and Jai Narain Vyas University, Jodhpur to collaborate in basic and applied research programs, organizing joint seminars, conferences workshops, and sharing research project and publications.

## PREAMBLE

Whereas, Dr. Sarvepalli Radhakrishnan Rajasthan Ayurved University, Jodhpur is a State University established through Rajasthan Ayurved University Act 2002 *vide* Act no. 15 of 2002. The University is created as a center for imparting AYUSH medical education of international standards and conducting research at the cutting edge of technology to meet the current and future challenges of technological development.

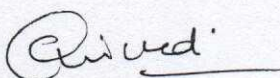
Whereas, Jai Narain Vyas University, Jodhpur, a constituent education institute of State Government, Rajasthan, was established through *vide* Act No.17 of 1962 and recognized by University Grants Commission (UGC), New Delhi for academic and research purpose.

Dr. Sarvepalli Radhakrishnan Rajasthan Ayurved University, Jodhpur & Jai Narain Vyas University, Jodhpur have agreed to collaborate with the following general provisions and terms.

## Article 1: Objective

Providing a general framework for long term collaboration and mutual understanding in areas of mutual interest, pertaining to develop arid ecosystem and collaboration in education and publication between Dr. Sarvepalli Radhakrishnan Rajasthan Ayurved University, Jodhpur and Jai Narain Vyas University.

COUNTER SIGNED



REGISTRAR  
Jai Narain Vyas University  
JODHPUR (Raj.)



## Article 2: Scope of Collaboration

Subject to the terms, this MoU signed by authorized representatives of each party, the parties hereby agree to cooperate as follows:

To offer collaboration as felt desirable and feasible on either side, and both sides would contribute to the fostering and development of the cooperative relationship between respective organization on identified areas of research and education.

## Article 3: Scope of MoU

The scopes of collaboration of this Memorandum includes the following:

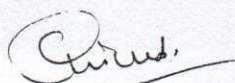
- Research collaboration in the areas of mutual interest, particularly those pertaining to combating desertification and managing arid ecosystem.
- Organizing joint seminars, webinar, conferences, training and workshops,
- Joint research projects and publications.
- Exchange of research scholars/faculties for research collaboration and capacity building programmes.
- Internship opportunities at Dr. Sarvepalli Radhakrishnan Rajasthan Ayurved University, Jodhpur for the students of Jai Narain Vyas University, Jodhpur.

## Article 4. Management

Vice Chancellor/ Head of Institution of the First party and the Vice-Chancellor/Head of the Institution of the Second party will be responsible to workout operational details of co-operation between the two organizations and ensure proper and effective implementation of this MoU.

The Advisory Committee will meet at least once in a year alternatively in the institutions of the First party and the Second party to review the activities.

This meeting shall include presentation on the academic and research activities, which should be open to the scientists, faculty and students.



COUNTER SIGNED  
  
REGISTRAR  
Jai Narain Vyas University  
JODHPUR (Raj.)



## Article 5: Implementation

To implement this Memorandum, the following is mutually understood and agreed:

- Two nominees from each institution will constitute a Joint Coordination Committee to oversee collaboration between the two parties.
- Each institution will nominate one of its expert members as its representative in charge of any cooperative program on each identified thematic area.
- Proposals for collaborative research work under this memorandum will be submitted through the normal procedures of each institution.
- Individual projects/programmes of research work developed under this Memorandum and/ or capacity building programmes will be the subject of individual agreements in writing clearly spelling out commitments and liabilities of both the parties and where appropriate will be jointly developed and executed by the nominees of both the parties.
- Each party will ensure appropriate protection of Intellectual Property Rights generated from cooperation pursuant to MoU, consistent with laws, rules and regulations of India.
- Progress of work of any individual collaborative research project/programme will be reviewed and approved by designated project officers of both parties, in accordance with its individual agreement.
- The final approval of any collaborative research project/programme will depend on the availability of the guaranteed support funds.
- Neither Dr. Sarvepalli Radhakrishnan Rajasthan Ayurved University, Jodhpur nor Jai Narain Vyas University, Jodhpur will be held responsible for any liability, and neither party shall be required to purchase any insurance against loss or damage to any personal/ institutional property to which this Memorandum relates.
- Research instrumentation facility and library facilities available with the first party and the second party will be made available to the scientist, faculty and

*Received.*

*[Signature]*

**COUNTER SIGNED**

*[Signature]*  
**REGISTRAR**

Jai Narain Vyas University  
JODHPUR (Raj.)



research scholars. However, the costs of specific consumable will be borne by the respective organizations.

- There shall be an exchange of scientist, faculty and students for academic, research and training purposes. Wherever possible, as per extant fee.
- Both parties understand that all financial agreement will have to be negotiated separately and will depend on the availability of funds.

#### **Article 6: Intellectual Property Rights (IPR)**

The parties may sign an Intellectual Property Rights (IPR) document in order to secure rights when it comes to research results and publications.

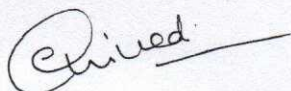
#### **Article 7: Limitation of Personnel Activities**

The Parties shall ensure that any personnel engaged in the activities and/or programs under this MoU shall not interfere with the internal political independence, sovereignty, and territorial integrity of the latter, any commercial ventures, and avoid any activities outside the aims of this MoU unless separate written arrangement.

#### **Article 8: Confidential Information**

Each Party's rights, title, interest in its confidential information remains unaffected by the existence of this MoU.

- Neither party is obliged to disclose any confidential information to the other party pursuant to this MoU and each party undertake to observe confidentiality and secrecy of any information and other data received from the other party, and any outputs jointly obtained, except as mutually consented to in writing by the other party, during the period of the implementation of activities under this MoU or any arrangement made pursuant to this MoU.



**COUNTER SIGNED**



**REGISTRAR**

**Jai Narain Vyas University**  
**JODHPUR (Raj)**



- Any disclosure or exchange of confidential information will be covered in separate subsidiary arrangements.

**Article 9: Commencement, renewal, termination and amendment**

This Memorandum is effective as of the date of execution by the later of the appropriate officers of each signatory institution to sign. This Memorandum shall remain in force for a period of three (3) years from the date of signing, with the understanding that it may be terminated by either party giving at least three months' notice to the other party in writing. This Memorandum may be amended or extended by mutual consent in writing of the two parties.

**Article 10: Dispute Settlement**

Any dispute, controversy or difference as to the interpretation of this MoU will be settled amicably by mutual consent between the Parties.

**Article 11: Validity of MoU**

This MoU shall enter into force on the date of the completion of the signing by the parties. It shall remain in force for the duration of 03 (three) years from the date of signing of this MoU and may be extended by mutual written agreement of the parties.

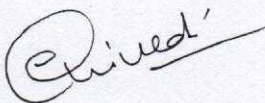
Either party may terminate this MoU at any time by notifying the other party of its intention to terminate this MoU in writing.

Unless agreed otherwise by the parties, the termination of this MoU shall not affect the validity and duration of any ongoing arrangement, activity and contract made under the MoU until the completion of such arrangement, activity and contract.

In WITNESS WHEREOF the undersigned, duly authorized thereto, have signed this Memorandum of Understanding.

Done at Jai Narain Vyas University, Jodhpur on the 11<sup>th</sup> October, 2021 in two originals.

**COUNTER SIGNED**



**REGISTRAR**

**Jai Narain Vyas University  
JODHPUR (Raj.)**



Signature with seal

Signature with seal

Date:

Date:

(Prof. Abhimanyu Kumar)

Vice-Chancellor

Dr. Sarvepalli Radhakrishnan

Rajasthan Ayurved University, Jodhpur

Tel No. +91-291-2795301, 311

Email: vc.dsrrau@gmail.com

प्रो. (डॉ.) अभिमन्यु कुमार Prof. (Dr.) Abhimanyu Kumar  
कुलपति / Vice Chancellor

डॉ. सर्वपल्ली राधाकृष्णन् राजस्थान आयुर्वेद विश्वविद्यालय  
Dr. S.R. Rajasthan Ayurved University

Witnesses: जोधपुर / Jodhpur

Signature :

Name : SEEMA KAVJA

Designation : REGISTRAR, DSRRAU.

Signature : 11.10.21

Name : GOVIND SANAY SBUKLA

Designation : PROFESSOR

(Prof. Pravin Chandra Trivedi)

Prof. (Dr.) Pravin Chandra Trivedi  
Vice-Chancellor

Jai Narain Vyas University  
Jodhpur (Raj.)

Jai Narain Vyas University, Jodhpur

Tel No. +91-291-2432947

Email: vcjnvu@gmail.com &

vc@jnvu.edu.in

Signature :

Name : Gomati Shaema

Designation : Registrar J.N.V.U. Jodhpur

Signature : 11.10.2021

Name : Pawan Kumar Kasera

Designation : Professor of Botany  
Dean, Faculty of science

COUNTER SIGNED

11

REGISTRAR

Jai Narain Vyas University  
JODHPUR (Raj.)





Jai Narain Vyas University Jodhpur  
जयनारायण व्यास विश्वविद्यालय



Govind Guru Tribal University Banswara  
गोविन्द गुरु जनजातीय विश्वविद्यालय

**MEMORANDUM OF UNDERSTANDING**

**BETWEEN**

**GOVIND GURU TRIBAL UNIVERSITY, BANSWARA**  
(ENACTED BY THE ACT 2012 OF STATE OF RAJASTHAN)

**AND**

**JAI NARAIN VYAS UNIVERSITY, JODHPUR**  
(ENACTED BY THE ACT OF 1962, STATE OF RAJASTHAN)

**COUNTER SIGNED**

**REGISTRAR**

**Jai Narain Vyas University**  
**JODHPUR (Raj.)**





Jai Narain Vyas University Jodhpur  
जयनारायण व्यास विश्वविद्यालय



Govind Guru Tribal University Banswara  
गोविन्द गुरु जनजातीय विश्वविद्यालय

### MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MoU) is entered on this 31<sup>st</sup> August 2021

#### **Between**

**JNV University**, a university under the Act 1962 of State of Rajasthan, (hereinafter referred as JNVU), represented by Prof. P.C. Trivedi, Vice Chancellor, Jai Narain Vyas University, Jodhpur, Residency Road, Jodhpur, Pincode : 342011 as **First Party**

#### **And**

**Govind Guru Tribal University, Banswara** formerly known as Rajiv Gandhi Tribal University, a state university, established by an Act in 2012 and (Change of Name and Headquarters, and Amendment), Act, 2016 (hereinafter referred as GGTU), represented by Prof. I.V. Trivedi, Vice-Chancellor, Govind Guru Tribal University, Mahi Dam Road, Banswara (Rajasthan) – 327001 as **Second Party**

#### **Purpose of MOU:**

Ved Vidyapeeth has been established by GGTU Banswara to promote Vedic Studies and research and the purpose of this MOU is primarily to encourage higher education, Vedic Studies and Research between JNVU and GGTU.

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COUNTER SIGNED

REGISTRAR

Jai Narain Vyas University  
JODHPUR (Raj.)





Jai Narain Vyas University Jodhpur  
जयनारायण व्यास विश्वविद्यालय



Govind Guru Tribal University Banswara  
गोविन्द गुरु जनजातीय विश्वविद्यालय

परिचय :-

पं० मधुसूदन ओझा शोध प्रकोष्ठ, जय नारायण व्यास विश्वविद्यालय, जोधपुर निरन्तर रूप से पं० मधुसूदन ओझा तथा मोतीलाल शास्त्री के साहित्य के आधार पर शोध तथा विस्तार व्याख्यान माला का आयोजन अनवरत रूप से कर रहा है। अद्यावधिपर्यन्त बीस ग्रन्थों का प्रकाशन किया जा चुका है। पं० ओझा तथा मोतीलाल शास्त्री की व्याख्यापद्धति वैचारिकता का प्रातिस्विक निदर्शन है। वैदिक सूक्तों, ब्राह्मण ग्रन्थों तथा उपनिषद् साहित्य पर अभिनव शैली से व्याख्या कर पं० ओझा तथा शास्त्री जी ने अध्यात्म तथा जीवन का अद्भुत सामंजस्य स्थापित किया है। श्री मद्भगवद्गीता पर भी पं० ओझा ने अवधारणात्मक गीता विज्ञान भाष्य की रचना की है। प्रस्थानत्रयी अथवा प्रस्थानपंचक के रूप में इनकी लगभग दो सौ अट्हाईस ग्रन्थों की विशद ग्रन्थ राशि शोधार्थियों के लिए महनीय उपयोगी है।

वेद विद्यापीठ, गोविन्द गुरु जनजातीय विश्वविद्यालय, बाँसवाड़ा भी वैदिक अध्ययन, सर्टिफिकेट कोर्स, सारस्वत वार्ताएँ एवं प्रायोगिक प्रशिक्षण इत्यादी का संचालन इसी सत्र से कर रहा है।

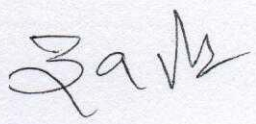
गोविन्द गुरु जनजातीय विश्वविद्यालय, बाँसवाड़ा एवं जय नारायण व्यास विश्वविद्यालय, जोधपुर के संयुक्त तत्वावधान में अधोलिखित शैक्षणिक कार्यक्रम सम्पादित कर सकते हैं:-

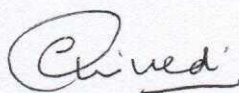
#### 1. वैदिक सूक्तों तथा उनके भाष्यों का आलोचना- पूर्वक व्याख्यान

- वैदिक कृषि शास्त्र
- वैदिक अर्थशास्त्र
- वैदिक समाजविज्ञान
- वैदिक देवशास्त्र
- वैदिक अवधारणा : प्रकृति एवं पर्यावरण
- वैदिक नीति तथा आचार शास्त्र
- पुरुषार्थ चतुष्टय की वैदिक वैचारिकी
- वेद में लोक की अवधारणा

COUNTER SIGNED

  
REGISTRAR  
Jai Narain Vyas University  
JODHPUR (Raj.)









Jai Narain Vyas University Jodhpur  
जयनारायण व्यास विश्वविद्यालय



Govind Guru Tribal University Banswara  
गोविन्द गुरु जनजातीय विश्वविद्यालय

- वेद में विज्ञान
- वेद में आयुर्वेद के सूत्र
- वेद में भारतीय दर्शन के बिन्दु
- वैदिक गणित
- सांख्यानी शाखा का अध्ययन एवं संरक्षण
- वेद एवं महिला सशक्तिकरण
- प्राचीन ग्रन्थों का अनुवाद एवं आलोचना
- जनजातीय संस्कृति का अध्ययन
- वागड़ के संत मावजी के साहित्य का अध्ययन, अनुवाद एवं संरक्षण
- वैदिक अध्ययन में शोध एवं पीएचडी की व्यवस्था

## 2. भाष्यकारों का तुलनात्मक अध्ययन

- सायण
- महीधर
- उब्बट
- बालगंगाधर तिलक
- अरविन्द
- पं. मधुसूदन ओझा
- पं. मोतीलाल शास्त्री
- महर्षि दयानन्द सरस्वती
- देवीदत्त चतुर्वेदी

3. प्राचीन ग्रन्थों का अनुवाद एवं आलोचना
4. उपनिषद् साहित्य का भिन्न-भिन्न भाष्यकारों के संदर्भ में प्रकाशन
5. उपनिषद् साहित्य से सम्बद्ध स्वतंत्र ग्रन्थ
6. उपनिषद् साहित्यान्तर्गत जीवन-दर्शन विषयक सूत्र
7. उपनिषद् एवं प्रबन्धन – अन्तः साक्ष्य
8. ऑडियो-विजुअल लाइब्रेरी का निर्माण

COUNTER SIGNED

REGISTRAR

Jai Narain Vyas University  
JODHPUR (Raj.)





Jai Narain Vyas University Jodhpur  
जयनारायण व्यास विश्वविद्यालय



Govind Guru Tribal University Banswara  
गोविन्द गुरु जनजातीय विश्वविद्यालय

**शैक्षणिक कार्यक्रम :-**


1. राष्ट्रीय / अन्तर्राष्ट्रीय संगोष्ठियों का आयोजन  
(तत्तत् साहित्य का प्रकाशन)
2. (I) प्रमाण-पत्र पाठ्यक्रम  
(II) डिप्लोमा पाठ्यक्रम
3. कार्यशालाओं का आयोजन
4. पुनश्चर्या / अभिमुखीकरण पाठ्यक्रम दो सप्ताह पर्यन्त
5. व्याख्यानमाला (विषय विशेष पर आधारित)

राजस्थान तथा प्रदेश के बाहर भिन्न-भिन्न विश्वविद्यालयों तथा राष्ट्रीय संस्कृत विश्वविद्यालय

6. राजस्थान संस्कृत अकादमी के माध्यम से प्रचार एवं प्रसार
7. वैदिक व्याख्याताओं एवं विद्वानों का अभिनन्दन एवं फ़ैलोशिप प्रदान कर ....करवाना।
8. माध्यमिक/उच्च माध्यमिक विद्यालयों हेतु लघु साहित्य का प्रकाशन एवं वितरण
9. प्रतियोगिताओं का आयोजन  
भाषण प्रतियोगिता  
सामान्य ज्ञान प्रतियोगिता

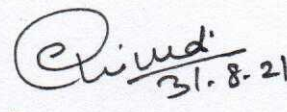
**STATEMENT OF UNDERSTANDING**

This document is a statement of understanding and is not intended to create binding or legal obligations on either party.

  
Prof. (Dr.) I.V. Trivedi  
Vice Chancellor  
Govind Guru Tribal University  
Banswara

Date: 31<sup>st</sup> August 2021

Witness:-----

  
Prof. (Dr.) P. C. Trivedi  
Vice Chancellor  
Jai Narain Vyas University  
Jodhpur

COUNTER SIGNED

  
REGISTRAR  
Jai Narain Vyas University  
JODHPUR (Raj.)

Witness:-----



## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MoU) made and executed at Jaipur on August 3, 2021 between **JAI NARAIN VYAS UNIVERSITY, JODHPUR**, having its campus at **Residency Road , Jodhpur** (hereinafter referred to as **JNVU, Jodhpur** which expression shall, unless it is repugnant to the subject or context thereof, include its successors, assignees and /or nominees)

And

**HARIDEV JOSHI UNIVERSITY OF JOURNALISM AND MASS COMMUNICATION, JAIPUR** having its office at Rajiv Gandhi Vidhya Bhawan, Shiksha Sankul, JLN Marg Jaipur (hereinafter referred to as **HJU , Jaipur** which expression shall, unless it is repugnant to the subject or context thereof, include its successors, assignees and /or nominees)

Whereas

**Jai Narain Vyas University, Jodhpur** holds the distinction of being premier state University of higher learning in Rajasthan. It was established in 1962 by Jodhpur University Act (Act XVII) and recognized from the time of its inception under sections 2f and 12B of UGC Act. The main objective of the University has been the creation and dissemination of knowledge.

And Whereas

**Haridev Joshi University of Journalism and Mass Communication , Jaipur** is a State University of Rajasthan established under the provisions of The Haridev Joshi University of Journalism and Mass Communication, Jaipur Act, 2019 (Act no. 11 of 2019) to develop the University into a national center of teaching, training and research in the field of Journalism and Mass Communication and allied fields, including Applied Information Technology imparting skill education and training in the state of Rajasthan.

### 1. Scope of MoU:

Both the parties in principle agree to work in the following areas of collaboration:

- a) cooperate in the exchange of information relating to their activities in teaching and research in fields of mutual interests.
- b) collaborate in curriculum development for skill education and General education
- c) provide mutual access to facilities for the academic purposes as mutually agreed between the parties prior to commencement of the activity:
- d) conduct short courses, as mutually agreed in writing between the parties prior to commencement of this activity:
- e) areas of collaboration may be proposed by either institution and may include, but are not limited to:

COUNTER SIGNED

*Chaudhary*  
03/08/2021

*G*  
REGISTRAR  
Jai Narain Vyas University  
JODHPUR (Raj.)

*Om Prakash*  
3/8/21



- i. Joint teaching, research, or cultural activity;
- ii. Mobility of faculty, scholars, and students between institutions;
- iii. Staff professional development;
- iv. Sharing or creation of educational materials and resources;
- v. Participations in seminars and academic meetings;
- vi. Organizing Special Short Term Academic Programs;
- vii. Exchange of Academic Materials;
- viii. Creation and sharing of electronic instruction media;
- ix. Any other item agreed in Collaboration Coordination Committee meeting.

Any specific activity developed under this MOU shall be detailed in a subsequent agreement, signed by each institution's authorized signatory, which will describe the scope of the proposed activity, intended outcomes, budget, and responsible departments or individuals.

## **2. Commencement and Validity:**

2.1 This MOU shall be in effect for a period of FIVE years from the date of signature. Either party may request termination of this agreement, in writing, Thirty (30) days prior to the proposed termination date. Any activities in progress at the time of termination shall be permitted to conclude as planned unless otherwise agreed in writing.

2.2 A joint evaluation of the MOU will be initiated by the designated representatives six (6) months prior to the expiration date. Following the evaluation, the MOU may be renewed and resigned for an additional five (5) year period.

2.3 Amendments to this MOU may be requested, in writing, by either party and approved by the authorized signatories.

## **3 Coordination Committee:**

To facilitate this MOU, a JNVU-HJU Collaboration Coordination Committee (CCC) will be formed. The CCC will be composed of four members from each of the Institutions including one Chair and one Liaison from each Institution. It is the CCC's responsibility to carry out collaboration-related duties and to report to the Vice-Chancellor of both Institutions. The CCC will be notified.

## **4 Commercials:**

*Chinedu*

*Om Prakash*  
3/8/21

**COUNTER SIGNED**

*Qd*  
REGISTRAR  
Jai Narain Vyas University  
JODHPUR (Raj.)



Both the Parties shall work out commercials with respect to each individual work plan separately. In no case any financial or academic liability on one party would be transferrable on the other party.

**5 Use of Name:**

None of the parties shall use the name, logo, likeness, trademarks, image or other intellectual property of either of the other parties for any advertising, marketing, endorsement or any other purposes without the specific prior written consent of an authorized representative of the other party as to each such use.

**6 Independent Contractors:**

Each party is separate and independent and this Agreement shall not be deemed to create a relationship of agency, employment, or partnership between or among them. Each party understands and agrees that this Agreement establishes an independent contractor relationship and that the agents or employees of each respective party are not employees or agents of any other party.

**7 Severability:**

The provisions of this Agreement are severable, and if any provision of this Agreement is found to be invalid, void or unenforceable, the remaining provisions will remain in full force and effect.

**8 Waiver:**

The waiver of any breach of any term of this Agreement does not waive any subsequent breach of that or another term of this Agreement.

**9 Assignments:**

No party may assign this Agreement or any rights or obligations under this Agreement to any person or entity without the prior written consent of the other parties. Any assignment in violation of this provision is null and void.

**10 Terminations:**

- 10.1 In case of breach of contract both parties may, without assigning any reason, terminate this Memorandum of Understanding at any time by giving to the other party three month notice in writing sent by registered post or Speed Post or Courier.
- 10.2 Without prejudice to any other remedies both Parties shall have the right at any time by giving notice in writing to each other for terminating the Memorandum of Understanding forthwith in any of the following events:

*Chinedu*

COUNTER SIGNED

*Om P. S.*  
7/8/21

*Ca*

REGISTRAR

Jal Narain Vyas University  
JODHPUR (Raj.)



- 10.2.1 Any of the parties commit the breach of any of the terms or conditions of this Memorandum of Understanding.
- 10.2.2 Any party enters into liquidation, whether compulsorily or voluntarily (otherwise than for the purposes of amalgamation or reconstruction) or compounds with creditors or takes or suffers any similar action in consequence of debt or in the case of an individual or a partnership.
- 10.2.3 Any of the parties are guilty of any conduct which legally is prejudicial to the contract's interests.
- 10.2.4 No party shall have authority to purport or assign the burden or benefits or charge the benefits of this Memorandum of Understanding without the consent in writing of the other Party.

## 11 Force Majeure

- 11.1 If the performance of the obligations under this Memorandum of Understanding is prevented by reason of any contingencies, which could have been reasonably avoided and are beyond the control of the parties, the party so affected shall not be liable to the other for damages to the extent of such prevention. Such contingencies include strikes of workers, fire, flood, explosion, riots sabotage, acts of God and war or enemy action.

## 12 Notice

- 12.1 Save as hereinbefore otherwise provided, any notice required to be given hereunder shall be sufficiently given to each other if forwarded by registered post, speed post, courier, to the last known postal address of the parties. Every notice shall be deemed to have been received and given at the time when in the ordinary course of transmission it should have been delivered at the address to which it was sent.

## 13 Indemnity:

- 13.1 Both parties shall indemnify the each other against all losses, damages or claims that may arise out of any unauthorized representations made by their employees or representatives.

*Chined*

COUNTER SIGNED

*Cd*

REGISTRAR

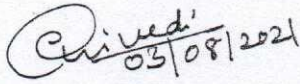
Jai Narain Vyas University  
JODHPUR (Raj.)

*Om Prakash*  
3/8/21



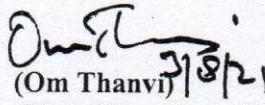
In witness thereof the parties have set their hands and seal on the day month and year first written.

For  
Jai Narain Vyas University, Jodhpur

  
( P. C. Trivedi )  
(Vice-Chancellor, JNVU)

Witness:

For  
Haridev Joshi University of Journalism and  
Mass Communication, Jaipur

  
(Om Thanvi)  
(Vice-Chancellor, HJU)

Witness:

COUNTER SIGNED

  
REGISTRAR  
Jai Narain Vyas University  
JODHPUR (Raj.)



## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter referred to as "**MOU**") has been agreed, made and executed on this [08]<sup>th</sup> day of [April], [2021] ("**Execution Date**"),

Between

**HEARTFULNESS EDUCATION TRUST**, a registered trust having its registered office at no. 40-15-9/12, Nandamuri Road, Venkateswarapuram Post Office, Vijayawada - 520 010, Andhra Pradesh, India (hereinafter referred to as "**HET**", which expression shall unless repugnant to the context and meaning thereof mean and include its successors, administrators, authorized representatives and permitted assigns);

And

**JAI NARAIN VYAS UNIVERSITY**, established in the year 1962 as a State University by statutory enactment to cater to the growing requirements of Higher Education of the western region of the country especially Pali, Jalore and Barmer districts in general, and of Jodhpur district, in particular, located at Residency Road, Jodhpur - 342001, Rajasthan (hereinafter referred to as "**JNVU**", which expression shall unless it be repugnant to the context or meaning thereof mean and include its successors, administrators, authorized representatives and permitted assigns).

(**HET** and **JNVU** shall hereinafter be collectively referred to as the "**Parties**" and individually referred to as "**Party**" in this MOU)

**WHEREAS:**

- i) **HET** is a public charitable trust registered under the Indian Trust Act, 1882 *inter alia* with an objective to impart Heartfulness approach to various wellness programmes including relaxation, meditation, values based educational programmes for schools, colleges, government organizations;

COUNTER SIGNED

REGISTRAR  
Jai Narain Vyas University  
JODHPUR (Raj.)



corporates etc., made available to all who are willingly interested in individual development and wellbeing. HET is also engaged in conducting various Teachers' training programmes in collaboration with Certain State Governments/ Education Institutions.

- ii) **JNVU** is a State University by statutory enactment to cater to the growing requirements of Higher Education of the region in general, and of Jodhpur district, in particular. **JNVU** desires to provide and inculcate in its students' values and inner development in order for them to perform better as students and be leaders for growth in nation building. **JNVU** has several recognized institutions under its umbrella.
- iii) **HET** through its Heartfulness initiatives offer a way for balanced living through various meditation techniques. These simple and effective techniques gradually imbibe feelings of discipline, empathy, brotherhood, leading to mental, spiritual, and psychological well-being, helping an individual to transform not only inwardly but also his/ her attitudes, and dealings with society at large.
- iv) **JNVU** intends to procure training and experiential learning services provided by **HET** on the terms agreed to herein, in order to stimulate and facilitate the development of programmes/modules which serve to enhance educational, social, spiritual & emotional development of students. Further, **HET** and **JNVU** in support of their interest in the field of education are desirous of promoting mutual cooperation by organizing and conducting educational workshops for mental, spiritual and psychological well-being of its students, and desire to extend the basis for friendly and cooperative collaboration by way of this MOU.

### NOW THERE FORE, THE PARTIES HEREBY AGREE AS UNDER:

#### 1. PURPOSE AND OBJECTIVES

- 1.1. **JNVU** desires to create a precedent by offering suitable and pertinent learning and offerings to its students so as to enable them to lead their lives with purpose and be of help to the society at large. **JNVU** has represented that it is a leading university that offers high quality education and its priority is to provide its students values, inner development enabling them to perform better in their education & be leaders in nation

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building. It seeks to provide its students basic life skills to manage challenges in their relationships, avoid intoxicating abuses, digital dependence and deal with stress of modern life. It aims to enable their students and staff to de-stress, manage life's challenges in healthy ways and find joy, purpose and fulfilment. This will directly enhance their academic and work performance and create a harmonious environment within **JNVU**.

- 1.2. HET has agreed to be helpful in such mission through its offerings as listed out in Schedule 1 ("**Offerings**").
- 1.3. Both the Parties, hereby express their commitment to collaborate with each other to conduct (i) **educational**, (ii) Heartfulness relaxation, meditation and (iii) other connected wellness workshops to help students teachers to regulate their minds, moderate their tendencies, increase their concentration, sharpen the use of their will, introspect and self-analyse and accept people and situations in general. Through such workshops and Offerings of HET, they intend to help the students to improve their learning skills and behaviour, and inculcate humility, emotional maturity, confidence, stress management, self-awareness and most importantly, develop a sense of purpose towards life.

## 2. **FACILITATORS**

Both Parties shall nominate one or more representatives, who shall be the point of contact/ facilitator ("**Facilitators**") for the purposes of this MOU. The Facilitators of the respective Parties shall maintain regular contact with each other. Further, they shall propose and review the response received from the participants for the workshops and other activities that may be conducted pursuant to this MOU and in furtherance to fulfilling the purpose and objectives envisioned under this MOU.

## 3. **RESOURCES**

- 3.1. **JNVU** shall make arrangements at its agreed venue(s) with required reference and reading material as specified by HET, by a establishing a(i) heartfulness corner in their library, and(ii) meditation practice room, and by providing such audio-visual equipment and other facilities as shall be required for conduct of the workshops and/or programmes with respect to the Offerings.

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- 3.2. **HET** shall nominate such teachers, trainers and support staff as it deems necessary for conducting and providing training to participants at these workshops and programs pursuant to this MOU.
- 3.3. **HET** shall provide support to orient JNVU's teachers to conduct the sessions as advised by **HET** for the students at JNVU and shall provide such external support as required. Through these Offerings **HET** will make students at JNVU understand values and their role in improving the quality of their life and enable them to impart spiritual training as an extended activity in its institutions as and when feasible.
- 3.4. The Parties agree to distribute reading materials/ promotional/ literature to the participants, through any means including but not limited to audio and/or video recordings, books and magazines as deemed fit by **HET**. **HET** shall share the content of such reading materials, literature, video recordings and other such material with **JNVU**, before distributing the same to the participants.
- 3.5. The Parties further agree that at **HET's** discretion, they shall set up stalls at the program venue to distribute promotional items including but not limited to clothing, apparel, mementoes, brochures, other merchandise and/or articles and details of the programme etc.
- 3.6. The Offerings detailed in Schedule 1 shall be the scope of service to be rendered by **HET** which will be adhered to by **HET** during the term of this MOU.

#### 4. OTHER OBLIGATIONS OF JNVU

- 4.1. **JNVU** shall extensively promote **HET** Offerings so that greater populace of students in JNVU shall benefit from this initiative. As previously indicated in Clause 1.1 above, being a value-based model of education, **JNVU** may make all or any part of the Offerings, as applicable, a part of their curriculum for the students on a mutually agreed basis between the Parties.

- 4.2. **JNVU** shall:

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- i) Take initiatives such that its students shall attend the sessions conducted by **HET** with an objective to help them develop ideal value systems within to make them global citizens;
- ii) Facilitate students to integrate and imbibe such values into their lives and education;
- iii) Jointly conduct surveys at regular intervals to find the effectiveness of the programs conducted pursuant to this MOU;
- iv) Encourage its students, faculty, staff and administration to share written, audio and/or video testimonials with respect to any training programs, workshops or seminars conducted by **HET**;

## 5. TERM

- 5.1. This MOU has been executed for the purpose of organizing workshops/ seminars/ training sessions at the premises of **JNVU** or such other premises as may be mutually agreed upon in writing.
- 5.2. This MOU shall come into effect from the Execution Date and shall remain in force for a period of one year thereafter.
- 5.3. This MOU shall terminate after completion of the term of one year from the Execution Date, without any financial obligations of Parties, except for any pending reimbursements and costs as provided herein.
- 5.4. The Parties may execute similar agreements for similar initiatives in future or even extend the term of this MOU for such further periods as mutually agreed to by the Parties.
- 5.5. Either Party may voluntarily terminate this MOU by giving a 3 months' notice in writing to the other.
- 5.6. The provisions of this Clause 6.6 and 8 and all of its sub-clauses will survive any expiration or termination of this MOU.

## 6. ASSIGNMENT

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This MOU is personal to the Parties and the rights and obligations established herein shall not be assignable by the Parties, except to the extent expressly permitted under this MOU or with the prior written consent of the other Party.

## 7. INTELLECTUAL PROPERTY

- 7.1. Neither Party shall exercise any rights in the trademarks, copyright or other intellectual property of the other Party, except as expressly stipulated herein.
- 7.2. All intellectual property rights including all (i) copyrights and other rights associated with works of authorship throughout the world, including neighboring rights, moral rights, and mask works, (ii) trade secrets and other confidential information, (iii) patents, patent disclosures and all rights in inventions (whether patentable or not), (iv) trademarks, trade names, internet domain names, and registrations and applications for the registration thereof together with all of the goodwill associated therewith, (v) all other intellectual and industrial property rights of every kind and nature throughout the world and however designated, whether arising by operation of law, contract, license, or otherwise, and (vi) all registrations, applications, renewals, extensions, continuations, divisions, or reissues thereof now or hereafter in effect ("**IPR**") with respect to (a) "Heartfulness", (b) "Heartfulness Relaxation", (c) "Heartfulness Meditation", (d) "Heartfulness Cleaning", their techniques and/or connected procedures therein and (d) the title and content/modules or any other information shared with JNVU, its staff, students and teachers, as the case may be, as part of the Offerings of HET, and (e) other trademarks belonging to **HET** or of those of its associates, (collectively referred to as "**Heartfulness IP**") as and when used by **HET** under license shall always vest with **HET** or its associates, as applicable. **HET** reserves the right to use the same internally or externally at its sole discretion.
- 7.3. This MOU in no way creates or conveys any ownership interests in Heartfulness IP to **JNVU**. JNVU shall only use such Heartfulness IP or any part thereof, in the manner and form previously approved in writing by **HET** and in coordination with and assistance of **HET** authorized representatives.

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- 7.4. HET reserves the right to modify, change or improve such Heartfulness IP in the manner it deems fit and implement such changed versions of Heartfulness IP or wellness techniques at anytime during the term of this MOU.
- 7.5. The Parties agrees that all ownership rights in any and all testimonials submitted in accordance with Clause 4.2 (iv) above shall vest with **HET**.

## 8. INDEMNITY

- 8.1. Except for cost reimbursements, the services provided by **HET's** with respect to the Offerings are on a mutual basis and free of cost. Only willing participants for their own wellbeing / self-development are required to participate. **JNVU** may for development of its students make the **HET** programs, modules and/or workshops as part of its curriculum. The Parties, therefore, agree that such services do not give rise to any kind of damage or liability to anybody who participates and therefore no damage can arise there from. No indemnity is therefore provided herein. The Parties agree that that **HET** programs do not guarantee success of its objectives or purposes as mentioned anywhere in this MOU.
- 8.2. In the event **JNVU** breaches the terms of Clause 8 (intellectual property) of this MOU, HET shall be entitled to seek specific performance against the JNVU for performance of its obligations under Clause 8 (intellectual property) of this MOU in addition to any and all other legal or equitable remedies available to it.

## 9. GOVERNING LAW, JURISDICTION & ARBITRATION

- 9.1. This MOU shall be construed, interpreted and enforced in accordance with laws of India. In case of any differences between the Parties, they shall make all efforts to settle the disputes amicably through mutual discussion and negotiation within [10 days], failing which, dispute(s) shall be referred to a sole arbitrator appointed by both the Parties, as per provisions of Arbitration and Conciliation Act, 1996. Language of arbitration shall be English and place of arbitration shall be Hyderabad.

- 9.2. Subject to the arbitration Clause 10.1 above, the courts of competent

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jurisdiction in Hyderabad shall have exclusive jurisdiction with respect to any and all matters pertaining to this MOU.

#### 10. MISCELLANEOUS

- i) This MOU together with any other documents including but not limited to memorandum of understandings, communications exchanged between the Parties defining responsibilities, obligations of both the Parties for different programs, initiatives etc. under this MOU, each of which shall be deemed to be an original, and all of which, taken together, shall constitute an integral part of this MOU constitute the entire agreement and supersedes any previous agreement between the Parties relating to the subject matter of this MOU.
- ii) This MOU can only be amended in writing by mutual consent of both the Parties. No modification or amendment to this MOU and no waiver of any of the terms or conditions hereof shall be valid or binding unless made in writing and duly executed by or on behalf of both the Parties.
- iii) This MOU may be executed in counterparts and shall be effective when each Party has executed a counterpart. Each counterpart shall constitute an original of this Agreement.
- iv) If any provision of this MOU shall be invalid, illegal or otherwise unenforceable, the validity, legality and enforceability of the remaining provisions shall in no way be affected or impaired thereby.
- v) The captions of the clauses of this MOU are for convenience of reference only and in no way define, limit or affect the scope or substance of any clause of this MOU.
- vi) The arrangement contemplated herein being in nature of cooperative strategic alliance for general wellbeing, no monetary consideration is involved except as provided for herein.

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- vii) None of the provisions of this MOU as stated above shall be deemed to constitute a partnership between **HET** and **JNVU** and neither Party shall have any authority to bind or shall be deemed to be the agent of the other in any way. It is on principle to principle basis.
- viii) JNVU agrees that the participants to any of the HET program shall participate voluntarily. The practices prescribed by HET are not substitutes for any medical prescription or medical advice, if any, recommended by any medical practitioner.

IN WITNESS WHEREOF the Parties hereto have executed this MOU, in duplicate, by their duly authorized representatives on the date, month and year first written above.

For **HEARTFULNESS  
EDUCATION TRUST**

For **JAI NARAIN VYAS  
UNIVERSITY**

*Vimla Sheoran*  
[Prof.(Dr.)Vimla Sheoran  
Representative]  
**TRUSTEE Rev. KAMLESH  
Date: PATEL**

*Pravin Chandra Trivedi*  
[Prof.(Dr.)Pravin Chandra Trivedi]  
**VICE CHANCELLOR  
Date: 8.4.2021**

Witnesses:

- 1) *Deepak Kalwar* (DEEPAK KALWAR)  
2) *Praveen Guler* (Prof. Praveen Guler)

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*[Signature]*  
**REGISTRAR**  
Jai Narain Vyas University  
JODHPUR (Raj.)



## SCHEDULE- 1 Scope of Work

Heartfulness Education Trust (HET) shall offer the following programs specifically developed for specific needs of the University:

1. **Staff Training:** HET shall impart a training program on "Wellness at work" to all Principals, Teachers and Staff of the **JNVU** institutions at its campus. **JNVU** may at its sole discretion make it compulsory for their faculty/staff. Initially, this would be a three-day program to introduce the Heartfulness Meditation Practice and how it can be integrated into best education practices. This wellness program can also be offered at Kanha Shanti Vanam, the world headquarters of Heartfulness located near chegur village, RangaReddy district with a residential programme facility on mutually agreed basis.
2. **In-depth Faculty Training on Heartfulness Curricula:** Following initial introduction, interested faculty would be provided a longer duration in-depth teacher training program to further enhance and develop the Heartfulness tools and Curricula. This program would be developed suitably by Heartfulness Education Trust and made available at Kanha Shanti Vanam / Heartfulness centers or on **JNVU** campus on an ongoing basis on agreed intervals during the term of this MOU.
3. **HELM (Heartfulness Enabled Leadership Mastery) curriculum for students:** HET shall choose a college on **JNVU** campus to begin an in-depth training for students. This would cover a [3 day] induction program and a [16-week] life-skills course which will be followed by subsequent foundational leadership programs such as 'Discover', 'Develop', 'Deepen', 'Dedicate' etc which can be included as credit courses. These are core Heartfulness programs conducted by certified Heartfulness trainers which will be experiential sessions of 60-90 minutes for each student group.
4. **Internships for students:** Faculty offering 'Heartful Electives' can design projects that aim to integrate ethical and contemplative aspects into particular student projects.
5. **Leadership Conclave/Roundtable on Heartfulness Leaderships:**

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JODHPUR (Raj.)



HET shall conduct a 3-day workshop for the senior management of JNVU, including to limited to the vice-chancellors, registrars of JNVU to shine some light on the relationship between meditation and education.

6. **H.E.A.R.T:** HET shall conduct a workshop for the faculty at JNVU, to inspire them to teach in a reflective manner and also to help them integrate meditative aspects to their course design.
7. **Heartfulness Meditation Workshop:** HET shall introduce the experience of Heartfulness Meditation to the administration department, the ground staff, general public and parents of the students at JNVU through a 3-day experiential workshop.
8. **Inner Well Being Workshop:** HET shall introduce the experience of Heartfulness Meditation to counsellors and/or peer counsellors and provide them with techniques to help students handle situation in a calmer manner, through a 3-day workshop.

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भाकृअनुप . राष्ट्रीय पादप आनुवंशिक संसाधन ब्यूरो

ICAR-National Bureau of Plant Genetic Resources

पूसा कैम्पस, नई दिल्ली दृ 110 012

Pusa Campus, New Delhi - 110 012



### Priority-setting Monitoring and Evaluation Cell

Dr. Kavita Gupta

Principal Scientist and OIC PME Cell

☎ :- 91-11-25802882, 25802750

Fax No. :- 91-11-25842495

E.mail :- [pme.nbpgr@icar.gov.in](mailto:pme.nbpgr@icar.gov.in), [kavita.gupta@icar.gov.in](mailto:kavita.gupta@icar.gov.in)

31 July 2021

Subject: Signed copy of Memorandum of Understanding between ICAR-National Bureau of Plant Genetic Resources, New Delhi and Jai Narain Vyas University, Jodhpur-reg.

Dear Vijay,

Kindly find enclosed a signed copy of the Memorandum of Understanding between ICAR-National Bureau of Plant Genetic Resources, New Delhi and Jai Narain Vyas University, Jodhpur for your kind information.

Thanks and regards

Yours sincerely

*Kavita Gupta*  
(Kavita Gupta)  
Dr Kavita Gupta  
Officer-in-Charge

Dr. Vijay Singh Meena

Scientist SS & OIC

ICAR-NBPGR, Regional Station

Jodhpur – 342 003 (Rajasthan)

Priority-Setting Monitoring and Evaluation Cell  
ICAR - National Bureau Of Plant Genetic  
Resources New Delhi-110012

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REGISTRAR  
Jai Narain Vyas University  
JODHPUR (Raj.)



Umbrella Memorandum of Understanding  
between

ICAR-National Bureau of Plant Genetic resources, New Delhi-110012  
(Name of the ICAR Institute)

and

Jai Narain Vyas University Jodhpur, Rajasthan- 342011

University/DU [Within NARS (AUs/ICAR DUs) or Outside NARS (Central/State Govt./Public  
Sector Funded Institutions/State Universities/Autonomous Bodies/Private Universities or  
Institutions)]

for facilitating

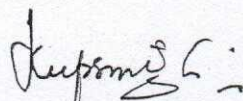
Students' Training/Postgraduate Research

This Memorandum of Understanding (hereinafter referred to as MoU) is made on this.....31<sup>st</sup> July..... day of the month of .....July.....2021..... in the year ..... by and between the ICAR-National Bureau of Plant Genetic resources, New Delhi-110012 (Name of the ICAR Institute) having its Head Office at New Delhi-110012. [hereinafter called "ICAR-National Bureau of Plant Genetic resources, New Delhi-110012"/First party], a constituent Research Institution of the Indian Council of Agricultural Research, Krishi Bhavan, New Delhi-110 001 on the ONE PART and the Jai Narain Vyas University Jodhpur, Rajasthan-342011 [Name of the AU/ICAR-DU (Within NARS) or Central/State Govt./Public Sector Funded Institution/State University/Autonomous Body/Private University or Institution having its headquarters at Jodhpur, Rajasthan-342011 [hereinafter called "Jai Narain Vyas University Jodhpur, Rajasthan- 342011"/Second party] on the OTHER PART (who for the purpose of this MoU are hereinafter collectively referred to as the parties).

The parties, having discussed fields of common research interests and allied activities between the two institutions, have decided to enter into long-term collaboration for promotion of students' training and quality postgraduate research in cutting edge areas in accordance with the provisions contained in the Guidelines issued vide Letter No. 2-8/2012- HRD dated 11<sup>th</sup> December, 2012 or as revised from time to time.

WHEREAS the "First Party" is involved in the **Management of plant genetic resources of arid and semiarid region** (specific mandated domain within the approved disciplines/divisions), AND WHEREAS the "Second Party", established vide F. No. ----- dated ----- by Govt. of India/Govt. of Rajasthan (Name of the Agency) vide Act No. 17 of 1962 and recognized by University Grants Commission] at its Department of Botany is involved in Plant Science (specific areas of research),

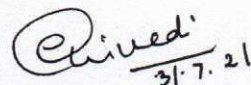
AND WHEREAS it has been considered expedient to agree in writing to participate jointly in the projects requiring expertise and logistics from both the parties.



(Signature of First Party)

**निदेशक  
Director**

राष्ट्रीय पादप आनुवंशिक संसाधन ब्यूरो  
National Bureau of Plant Genetic Resources  
पूसा कैम्पस, नई दिल्ली-12  
Pusa Campus, New Delhi-12



(Signature of Second Party)

**Vice-Chancellor**

J. N. Vyas University  
JODHPUR.

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**REGISTRAR**  
Jai Narain Vyas University  
JODHPUR (Raj.)



## Article 1. Scope

- 1.1 The Second party will recognize the First party as an Institute for conducting research related to the thesis requirement of the research students for Under Graduate/Master/Doctoral/Post-Doctoral (Name of the degree programme). The Second party will recognize Scientists of the ICAR Institute as recommended by its Director in accordance with the University rules and regulations for guiding students working for the said degree.
- 1.2 Operational details of research effort and collaboration will be made in common research programmes and/or projects restricted to specific mandated domain within the approved disciplines/divisions. The objective(s) for research work for a student coming from a Second party outside NARS should be exclusively different as far as possible.
- 1.3 Research instrumentation facility and library facilities available with the First party and the Second party will be made available to the faculty and research scholars. However, the costs of specific consumables will be borne by the respective organizations.
- 1.4 There shall be an exchange of students for academic, research and training purposes. Accommodation in the Hostel shall be arranged, wherever possible, as per extant rates. The duration of exchange visits will be determined by mutual consent between both the parties.

## Article 2. Management

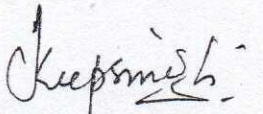
- 2.1 Director of the First party and the Vice-Chancellor/Head of the Institution of the Second party will be responsible to work out operational details of co-operation between the two organizations and ensure proper and effective implementation of this MoU.
- 2.2 The Advisory Committee will meet at least once in a year alternatively in the institutions of the First party and the Second party to review the activities. This meeting shall include presentation on the academic and research activities, which should be open to the students, faculty and scientists.

## Article 3. Exchange of Information

- 3.1. The term "information" includes scientific or technical data, results and/or methods of investigation, and other information intended to be provided, exchanged, or arising under project descriptions entered into pursuant to this MoU.
- 3.2. The parties support the widest possible dissemination of information. Each party in joint projects shall be given the right to use, disclose, publish or disseminate such information for any and all purposes.

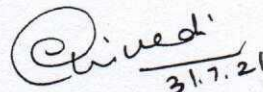
## Article 4. General Provisions

- 4.1 It is understood that the First party and the Second party subscribe to the principle of equal opportunity and do not discriminate on the basis of race, sex, age, caste or religion. Both the Institutions shall abide by these principles in the administration of this agreement and neither party shall impose criteria for exchange of scholars or students, which violate principles of non-discrimination.

  
(Signature of First Party)

Director

राष्ट्रीय पादप आनुवंशिक संसाधन ब्यूरो  
National Bureau of Plant Genetic Resources  
पूसा कैम्पस, नई दिल्ली-12  
Pusa Campus, New Delhi-12

  
(Signature of Second Party)  
Vice-Chancellor  
J. N. Vyas University  
JODHPUR.

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Jai Narain Vyas University  
JODHPUR (Raj.)



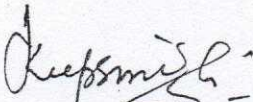
- 4.2 Both parties understand that all financial agreements will have to be negotiated separately and will depend on the availability of funds.
- 4.3 Both parties acknowledge that exchange of students from one party to the other shall be subject to the availability of funds and shall comply with the regulations and policies of the First party and the Second party.
- 4.4 Any research publications arising will be jointly published in accordance with the provisions laid out in Item 3.2.1C of the Guidelines for the students to conduct research for their degree programme as trainees at ICAR institutions as notified *vide* Letter No. 2- 8/2012-HRD dated 11<sup>th</sup> December, 2012 or revised guidelines, if any, as may be issued from time to time.
- 4.5 A copy of the thesis/dissertation will be submitted to the First Party after the award of the degree by the Second party.
- 4.6 All questions related to this MoU arising during its term will be settled by the parties by mutual agreement. Disagreements at the operating level shall be forwarded to respective higher officials for appropriate resolution failing which an arbitrator of mutual acceptance may be identified for the settlement of dispute, if any.
- 4.7 All questions not foreseen related to this MoU will be handled by the parties by mutual agreement.
- 4.8 Nothing in this MoU is intended to affect other cooperation or collaborations between the parties.

#### Article 5. Intellectual Property Rights

- 5.1 The Second party will be expected to ensure protection of the Intellectual Property Rights generated or likely to be generated during the student's research work. The IPR shall rest with the institution where the major part of research work carried out by the student and the students and involved scientific staff shall be included as the inventor/breeder/author. The 'ICAR Guidelines for Intellectual Property Management and Technology Transfer/Commercialization' as amended from time to time shall be the reference for exploitation of the generated intellectual property, whose management and benefits sharing shall be mutually decided in each case.

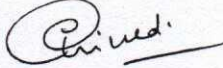
#### Article 6. Admission and Fees

- 6.1 All those who wish to register as trainees or for Master/Doctoral programme under this MoU must apply for admission at the Second party. The allocation of Major Guide/Advisor would be finalized before the registration and will be governed by the provisions laid out in Items 3.2.1A and 3.2.2A of the Guidelines for the students to conduct research for their degree programmes as trainees at ICAR institutions as notified *vide* Letter No. 2-8/2012-HRD dated 11<sup>th</sup> December, 2012 or revised Guidelines, if any, as may be issued from time to time, for the students from within NARS and outside NARS, respectively.
- 6.2 Admission of the students and the award of degrees for different programmes will be the responsibility of the Second party as per the rules and regulations.
- 6.3 Allotment of the students at the First party will be done by the approval of Director of the First party and Vice-Chancellor/Head of the Institution of the Second party.
- 6.4 The First party would have the right to screen the student's eligibility for admission based on their academic period.

  
(Signature of First Party)

निदेशक  
Director

राष्ट्रीय पादप आनुवंशिक संसाधन ब्यूरो  
National Bureau of Plant Genetic Resources  
पूसा कैम्पस, नई दिल्ली-12  
Pusa Campus, New Delhi-12

  
(Signature of Second Party)  
Vice-Chancellor  
J. N. Vyas University  
JODHPUR.

COUNTER SIGNED

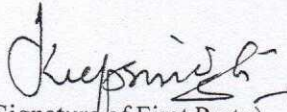
  
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JODHPUR (Raj.)



- 6.5 The PME Cell of the First party in consultation with the representative of the Second party shall decide the location and sharing quantum of research work.
- 6.6 The number of student(s) at any particular time will be subjected to the availability of research facilities and scientists' time to guide thesis research at the First party institution.
- 6.7 Any student(s) admitted to the First party for training/postgraduate research, if found violating the rules and regulations laid down by the First party or indulge in such activities that amount to tarnishing the image of the Institute, or cause damage to the property, the registration of such student(s) would be summarily terminated. The Second party will not complete the formalities of issuing the certificates to such students until they compensate the losses to the First party.
- 6.8 Fees will be charged from the students by the First party as per Guidelines for the students to conduct research for their degree programmes as trainees at ICAR institutions vide Letter No. 2-8/2012-HRD dated 11<sup>th</sup> December, 2012 or revised Guidelines, if any, as may be issued from time to time. No fee may be charged by the First party from the students registered with AU/DU within NARS. However a student registered with a Second party, outside NARS, will deposit fee of Rs. 10,000/- for training duration of 3 months (not leading to a degree/dissertation) and Rs. 30,000/- per semester (six months) for training, research, dissertation exceeding three months. Any change in fee structure by ICAR will be applicable from the date of revision and shall be charged by the First party.

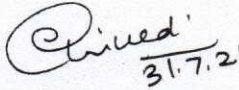
#### Article 7. Entry into effect, modification and termination

- 7.1. This MoU shall become effective on the date it is signed by the parties and shall be valid for three years extendable up to five years. Both parties shall review the status of the MoU at the end of each three/five year period to determine any modification, whenever necessary. The period of validity of this MoU may be extended by mutual consent up to five years. This MoU may be amended by mutual written agreement and may be terminated at any time by either party upon written notification signed by the competent authority of the party initiating termination. Such notification must be given to the other party at least six months in advance from the effective date of termination.
- 7.2. All joint activities not completed at the expiration or termination of the MoU may be continued until their completion under the terms of this MoU.
- 7.3. No amendment or modification of the MoU shall be valid unless the same is made in writing by both the parties or their authorized representatives and specifically stating the same to be amendment of the MoU. The modifications/changes shall become part of the MoU and shall be effective from the date on which they are made/executed, unless otherwise agreed to.

  
(Signature of First Party)

निदेशक  
Director

राष्ट्रीय पादप आनुवंशिक संसाधन ब्यूरो  
National Bureau of Plant Genetic Resources  
पूसा कैम्पस, नई दिल्ली-12  
Pusa Campus, New Delhi-12

  
(Signature of Second Party)  
31.7.21  
Vice Chancellor  
J. N. Vyas University  
JODHPUR.

COUNTER SIGNED

  
REGISTRAR  
Jai Narain Vyas University  
JODHPUR (Raj.)



This MoU has been executed in two originals, one of which has been retained by the First party and the other by the Second party).

IN WITNESS WHEREOF, the parties have executed this MoU and represent that they approve, accept and agree to terms contained herein.

ICAR-National Bureau of Plant Genetic  
Resources, New Delhi-110012

Jai Narain Vyas University Jodhpur,  
Rajasthan- 342011

Dr. Kuldeep Singh  
Director,  
ICAR-National Bureau of Plant  
Genetic Resources, New Delhi-110012

Prof. (Dr.) Pravin Chandra Trivedi  
Vice-Chancellor  
Jai Narain Vyas University  
Jodhpur 342 011 (Rajasthan) India

Tel No.- +91-11-25843697  
Fax- +91-11-25842495

Tel. No.- +91-291-2432947  
Fax- +91-291-2649465

Email: director.nbpgr@icar.gov.in;  
kuldeep.singh4@icar.gov.in

Email: vcjnvu@gmail.com &  
vc@jnvu.edu.in

Date

*Kuldeep Singh*  
31.07.2021

Date

*Pravin Chandra Trivedi*  
31.7.21  
Vice-Chancellor

Signature with Seal निदेशक  
Director  
राष्ट्रीय पादप आनुवंशिक संसाधन ब्यूरो  
National Bureau of Plant Genetic Resources  
पूसा कैम्पस, नई दिल्ली-12  
Pusa Campus, New Delhi-12

Signature with Seal J. N. Vyas University  
JODHPUR.

Witness 1.....  
(Dr. Kavita Gupta)

*Kavita Gupta*

Witness 1.....  
(Prof. Praveen Gehlot)

*Praveen Gehlot*

Witness 2.....

*Vijay Singh Meena*

(Dr. Vijay Singh Meena)

Witness 2.....

*Alkesh Tak*

(Dr. Alkesh Tak)

COUNTER SIGNED

*G*  
REGISTRAR  
Jai Narain Vyas University  
JODHPUR (Raj.)



# Memorandum of Understanding (MoU)

Between



And



Buddhist Study Centre, Jay Narayan Vyas University, Jodhpur

COUNTER SIGNED



## MEMORANDUM OF UNDERSTANDING (MoU)

Between

**Buddhist Study Centre, Jai Narain Vyas University, Jodhpur- Rajasthan**

And

**Krantiguru Shyamji Krishna Verma Kachchh University, Bhuj-Kachchh, Gujarat**

### Brief about the first part:

**Krantiguru Shyamji Krishna Verma Kachchh University** is a UGC approved University with 40 affiliated colleges with more than 15000 students and nearly 400 teachers working in the faculties of Arts, Commerce, Science, Education and Law. The University is providing higher education at par with any other university of the state and India.

### Brief about the second part:

**Buddhist Study Centre, Jai Narain Vyas University, Jodhpur - Rajasthan** is an independent study centre of Jai Narain Vyas University, formerly known as University of Jodhpur. University of Jodhpur I was Established in 1962, and following four Government Colleges of Jodhpur became part of the University. Dr. S. Radhakrishnan, the President of India inaugurated the then University of Jodhpur on 24th August, 1962. In his inaugural address the Hon'ble President revered Prof. Radha Krishnan desired and defined the goals and objective "That the young people, who will be educated in this university, will go forward not as prisoners of the past, but as pilgrims of the future; will develop in them a spirit of dedication, a spirit of renunciation, a spirit of whole-hearted, single-minded concentration on the advancement of the knowledge, whether in science or humanities." This was the only residential University in the State of Rajasthan, catering mainly the needs of students of western Rajasthan (the Marwar). Since, this University is located in the great Indian Thar Desert, its R&D activities centered on heritage, society and challenges of the region. This is the Western most University of the country and imparts education and conducts research in border areas neighboring Pakistan. It is our endeavor to provide education not only to citizens of the Desert/border Districts but also to the wards of Defence/Paramilitary forces and other Organizations which are working in strategically important sectors of the country. Jai Narain Vyas University is now a divisional university for western part of the Rajasthan State.



This Memorandum of Understanding is entered on 11.08.2021 that indicates the joint undertaking between **Buddhist Study Centre, Jai Narain Vyas University, Jodhpur, Rajasthan**, hereinafter to be referred to as the **Second Part** in this MOU and **Krantiguru Shyamji Krishna Verma Kachchh University** referred to as the **First Part**.

**As a part of this MOU, the joint Activities/Collaborative endeavours between two parties will be focusing in the field of Buddhist Study that can be as the following:**

- Webinars, online lectures, seminars, conference, workshops, symposiums etc related to academic pursuits
- Beside this both the parties may look forward for the development of the following certificate course.
- Certificate course on Buddhist Studies.
- Certificate course on Manuscriptology.
- Certificate course on Palaeography.
- Certificate course on Pali.
- Certificate course on life and teachings of Buddha.

Both parties can suggest the required educational programs and prepare them adequately to be presented for online program.

**Both Parties shall agree on the following:**


- I. First party entrusts Dr. Milind Solanki to be their representative to discuss and organize the events that provide the benefits to the students of Kachchh University.
- II. The second part nominates Dr. Rajshree Ranawatto discuss the details of programmes and modules to be launched as a part of this MOU.
- III. Both the parties take responsibility for all resources, expert faculties to design, deliver and evaluate the programmes.
- IV. The MoU is signed for 5 years from the date of signing and can be extended further for two years based on mutual agreement & consent. The MoU can be terminated by each of the party after giving sixty working days of the notice period, in writing and sent by emails. In the case of termination, no further students will be enrolled, however, both the parties will amicably work together to ensure smooth completion of courses by students who have already enrolled before the date of issue of notice of termination.
- V. The Memorandum of Understanding is signed to offer the courses which will be open to all students, working professionals & those citizens who have basic required qualifications and desire to study Buddhism and Indian culture in General.

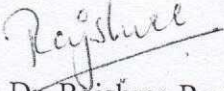


Executed as the Memorandum of Understanding.

For and on behalf of  
Krantiguru Shyamji Krushna Verma  
University,  
Bhuj, Kachchh

For and on behalf of  
Buddhist Study Centre, Jai Narain Vyas  
University, Jodhpur- Rajasthan


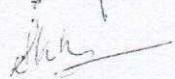
  
Dr. G. M. Butani,  
Registrar  
(The First Part)

  
Dr. Rajshree Ranawat  
Director  
( The Second Part )

**REGISTRAR**  
**K. S. K. V. Kachchh University**  
**BHUJ - KACHCHH**

Witness

1. Dr. Milind Solanki
2. Dr. Pankaj Thaker

3.   
Prof. Bangeeta Doojier
4.   
Prof. Satish K. Hant.

COUNTER SIGNED



  
**REGISTRAR**  
**Jai Narain Vyas University**  
**JODHPUR (Raj.)**



# MEMORANDUM OF UNDERSTANDING (MOU)

BETWEEN

**Sardar Patel University of Police, Security and Criminal Justice, Jodhpur  
and  
Jai Narain Vyas University, Jodhpur**

For facilitating  
Academic and Research

This Memorandum of Understanding (herein after referred to as MoU) is made on 26.11.21 by and between the Sardar Patel University of Police, Security and Criminal Justice, Jodhpur (First party), on the one part and the Jai Narain Vyas University, Jodhpur, 342001 (herein after called second party on the other part (who for the purpose of this MoU are herein after collectively referred to as the parties).

The parties, having discussed fields of common research interests and allied activities between the two institutions, have decided to enter into collaboration for promotion of basic and advance research in subject of Law and other allied subject.

WHEREAS the "First Party" is involved in the research activities in applied research programs, capacity building and knowledge sharing on Law, Security, Criminal Justice and allied areas.

WHEREAS the "Second Party", is involved in basic and advanced research in subject of Law (Faculty of Law; LLB, LLM, PhD).

WHEREAS it has been considered expedient to agree in writing to participate jointly in the projects requiring expertise and logistics from both the parties.

## Background

This Memorandum of Understanding (MoU) sets for the terms and understanding between the Sardar Patel University of Police, Security and Criminal Justice, Jodhpur and Jai Narain Vyas University, Jodhpur to collaborate in basic and applied research programs, organizing joint seminars, conferences workshops, and sharing research project and publications.

## PREAMBLE

Whereas, Sardar Patel University of Police, Security and Criminal Justice, Jodhpur is established in 2012 by the government of Rajasthan through act 32 of 2012. It is recognized by UGC as well as AICTE.

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*Vernie*

COUNTER SIGNED

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REGISTRAR

Jai Narain Vyas University  
JODHPUR (Raj)



Whereas, Jai Narain Vyas University, Jodhpur, a constituent education institute of State Government, Rajasthan, was established through *vide* Act No.17 of 1962 and recognized by University Grants Commission (UGC), New Delhi as academic and research purpose.

Sardar Patel University of Police, Security and Criminal Justice, Jodhpur & Jai Narain Vyas University, Jodhpur has agreed to collaborate with the following general provisions and terms.

#### **Article 1: Objective**

Providing a general framework for long term collaboration and mutual understanding in areas of mutual interest, pertaining to develops arid ecosystem and collaboration in education and publication between Sardar Patel University of Police, Security and Criminal Justice, Jodhpur and Jai Narain Vyas University.

#### **Article 2: Scope of Collaboration**

Subject to the terms, this MoU signed by authorized representatives of each party, the parties hereby agree to cooperate as follows:

To offer collaboration as felt desirable and feasible on either side, and both sides would contribute to the fostering and development of the cooperative relationship between respective organization on identified areas of research and education.

#### **Article 3: Scope of MoU**

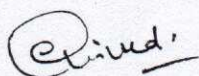
The scopes of collaboration of this Memorandum includes the following:

- Research collaboration in the areas of mutual interest, particularly those pertaining to law, security and criminal justice.
- Organizing joint seminars, webinar, conferences, training and workshops,
- Joint research projects and publications.
- Exchange of research scholars/faculties for research collaboration and capacity building programmes.
- Internship opportunities at Sardar Patel University of Police, Security and Criminal Justice, Jodhpur for the students of Jai Narain Vyas University, Jodhpur and Vice-Versa

#### **Article 4. Management**

Vice Chancellor/ Head of Institution of the First party and the Vice-Chancellor/Head of the Institution of the Second party will be responsible to workout operational details of co-operation between the two organizations and ensure proper and effective implementation of this MoU.

The Advisory Committee will meet at least once in a year alternatively in the institutions of the First party and the Second party to review the activities. This meeting shall include presentation on the academic and research activities, which should be open to the





COUNTER SIGNED  
  
REGISTRAR  
Jai Narain Vyas University  
JODHPUR (Raj.)



scientists, faculty and students.

#### **Article 5: Implementation**

To implement this Memorandum, the following is mutually understood and agreed:

- Two nominees from each institution will constitute a Joint Coordination Committee to oversee collaboration between the two parties.
- Each institution will nominate one of its expert members as its representative in charge of any cooperative program on each identified thematic area.
- Proposals for collaborative research work under this memorandum will be submitted through the normal procedures of each institution.
- Individual projects/programmes of research work developed under this Memorandum and/ or capacity building programmes will be the subject of individual agreements in writing clearly spelling out commitments and liabilities of both the parties and where appropriate will be jointly developed and executed by the nominees of both the parties.
- Each party will ensure appropriate protection of Intellectual Property Rights generated from cooperation pursuant to MoU, consistent with laws, rules and regulations of India.
- Progress of work of any individual collaborative research project/programme will be reviewed and approved by designated project officers of both parties, in accordance with its individual agreement.
- The final approval of any collaborative research project/programme will depend on the availability of the guaranteed support funds.
- Neither Sardar Patel University of Police, Security and Criminal Justice, Jodhpurnor Jai Narain Vyas University, Jodhpur will be held responsible for any liability, and neither party shall be required to purchase any insurance against loss or damage to any personal/ institutional property to which this Memorandum relates.
- Research instrumentation facility and library facilities available with the first party and the second party will be made available to the scientist, faculty and research scholars. However, the costs of specific consumable will be borne by the respective organizations.
- There shall be an exchange of scientist, faculty and students for academic, research and training purposes. Wherever possible, as per extant fee.
- Both parties understand that all financial agreement will have to be negotiated separately and will depend on the availability of funds.

*Chand*

*Same*

COUNTER SIGNED

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REGISTRAR

Jai Narain Vyas University  
JODHPUR (Raj.)



#### **Article 6: Intellectual Property Rights (IPR)**

The parties may sign an Intellectual Property Rights (IPR) document in order to secure rights when it comes to research results and publications.

#### **Article 7: Limitation of Personnel Activities**

The Parties shall ensure that any personnel engaged in the activities and/or programs under this MoU shall not interfere with the internal political independence, sovereignty, and territorial integrity of the latter, any commercial ventures, and avoid any activities outside the aims of this MoU unless separate written arrangement.

#### **Article 8: Confidential Information**

Each Party's rights, title, interest in its confidential information remains unaffected by the existence of this MoU.

- Neither party is obliged to disclose any confidential information to the other party pursuant to this MoU and each party undertake to observe confidentiality and secrecy of any information and other data received from the other party, and any outputs jointly obtained, except as mutually consented to in writing by the other party, during the period of the implementation of activities under this MoU or any arrangement made pursuant to this MoU.
- Any disclosure or exchange of confidential information will be covered in separate subsidiary arrangements.

#### **Article 9: Commencement, renewal, termination and amendment**

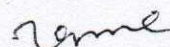

This Memorandum is effective as of the date of execution by the later of the appropriate officers of each signatory institution to sign. This Memorandum shall remain in force for a period of three (3) years from the date of signing, with the understanding that it may be terminated by either party giving at least three months' notice to the other party in writing. This Memorandum may be amended or extended by mutual consent in writing of the two parties.

#### **Article 10: Dispute Settlement**

Any dispute, controversy or difference as to the interpretation of this MoU will be settled amicably by mutual consent between the Parties.

#### **Article 11: Validity of MoU**

This MoU shall enter into force on the date of the completion of the signing by the parties. It shall remain in force for the duration of 03 (three) years from the date of signing of this MoU and may be extended by mutual written agreement of the parties.



COUNTER SIGNED



REGISTRAR

Jai Narain Vyas University  
JODHPUR (Raj.)



Either party may terminate this MoU at any time by notifying the other party of its intention to terminate this MoU in writing.

Unless agreed otherwise by the parties, the termination of this MoU shall not affect the validity and duration of any ongoing arrangement, activity and contract made under the MoU until the completion of such arrangement, activity and contract.

In WITNESS WHEREOF the undersigned, duly authorized thereto, have signed this Memorandum of Understanding.

Done at Jai Narain Vyas University, Jodhpur on the 26 November, 2021 in two originals.

Signature with seal

Date:

*26-11-21*

(Dr. Alok Tripathi)

Vice-Chancellor

Sardar Patel University of Police  
Security and Criminal Justice, Jodhpur  
Tel No 0291-3500600

Email : vc@policeuniversity.ac.in

Signature with seal

Date: 26.11.2021

*Pravin*

(Prof. Pravin Chandra Trivedi)

Vice-Chancellor

Jai Narain Vyas University,  
Jodhpur

Tel No. +91-291-2432947

Email:vcjnvu@gmail.com&  
vc@jnvu.edu.in

Witnesses:

1. Signature

Name

Designation:

2. Signature

Name

Designation

Signature

Name

Designation

Signature

Name

Designation

*Dr. M. N. Bhatt*

*Assistant Professor*

*Timarshu Shams*

*PS*

*Prm Dr CHANDAN 134*

*Prof. Dean & Head*

*Faculty & Deptt of Law.*

*G*

*(Gomati Shama)*

*Registrar J.N.V.U*  
*Jodhpur.*

COUNTER SIGNED

REGISTRAR

Jai Narain Vyas University  
JODHPUR (Raj.)



# **MEMORANDUM OF UNDERSTANDING**

*By & Between*

**Atal Bihari Vajpayee Vishwavidyalaya,  
Bilaspur, Chhattisgarh**

*And*

**Jai Narain Vyas University  
Jodhpur, Rajasthan**

MoU Date: 29/07/ 2022



# MEMORANDUM OF UNDERSTANDING

*For*  
**Academic Development**  
*By & Between*

**Atal Bihari Vajpayee Vishwavidyalaya,  
Bilaspur, Chhattisgarh**

*And*

**Jai Narain Vyas University  
Jodhpur, Rajasthan**

This MoU is entered into on the 20<sup>th</sup> July 2022 by and between the Atal Bihari Vajpayee Vishwavidyalaya, Bilaspur (Chhattisgarh) and The Jai Narain Vyas University Jodhpur, Rajasthan. The parties have agreed to the following protocols governing their collaboration on Academic Development of both the Universities.

## **Objectives of the MoU**

To promote and enhance **academic interest and values** between the Atal Bihari Vajpayee Vishwavidyalaya, Bilaspur (Chhattisgarh) and The Jai Narain Vyas University Jodhpur, Rajasthan.

1. To promote **research based activities** including collaborative seminars, conferences, symposia etc. for the development and usage of research based platform in both the institutions.
2. To encourage **academic, faculty and student exchange programme** for raising of learning curve of the Universities under collaboration both offline and online.
3. To promote **collaboration and exchange of Laboratory facilities** including software's, computational facilities, tools, equipment's and technology etc. essential for the know-how and support of the academic and research interest of both the organizations.



4. To promote **social connect/sports activities** and **national outreach programmes**.
5. To undertake joint collaboration research projects and National and International Agencies.
6. To undertake joint collaboration publications of research and learning material viz. research journals monographs etc.

### **Modes of Collaboration**

1. Helping out on curriculum development and exchange of new learning outcomes based innovative methods of teaching and learning processes.
2. Through academic, faculty and student exchange (as and when required) for mutual development of both the institutions from time to time.
3. By sharing of research based learning resources (including e-resources, collaborative seminars, conferences, symposia etc.) between institutions, so as to facilitate and develop research environment.
4. By exchange of laboratory facilities to facilitate collaborative quality experimentation for both research and training.

A Specific time bound plan will be worked out and executed by both the parties/ Universities depending on the availability of resources. For carrying out special activities a specific agreement may be entered in by both the parties for collaboration and execution.

### **Terms and Conditions**

1. The actions taken under this agreement may be reviewed periodically or at any point of time desired by the two Universities. Modifications may be made by the mutual agreement and any amendment or extension to the agreement may be formalized by the exchange of letters between the two parties.
2. This MoU will come into force upon affixing of the signatures of the representatives of the partner institutions and will remain in effect for five



years. This MoU may be renewed upon its expiry, with the agreement of both parties.

3. There will be **no financial responsibility** of both the parties.

### Confidentiality

Atal Bihari Vajpayee Vishwavidyalaya, Bilaspur (Chhattisgarh) and The Jai Narain Vyas University Jodhpur, Rajasthan agrees to hold in confidence, all the information/data shared and designated by the various departments / institutes of the two universities.

### Nodal Officers

Both Universities will designate a person each at their end who will bear the responsibilities for being the nodal officer and implementation of this agreement.

### Signed in Duplicate

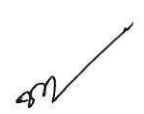
This MoU is executed in duplicate with each copy being an official version and having equal legal validity.

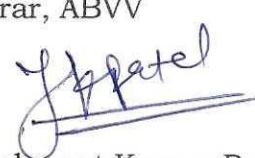
#### PARTY- I

  
**Vice-Chancellor**

Atal Bihari Vajpayee Vishwavidyalaya,  
Bilaspur (Chhattisgarh)

**Witness:**

  
1. Dr Sudhir Sharma,  
Registrar, ABVV

  
2. Er. Yashwant Kumar Patel  
MoU Coordinator, ABVV


#### PARTY- II


  
**Vice-Chancellor**

Jai Narain Vyas University  
Jodhpur (Rajasthan)

Prof. (Dr.) Kanhaiya Lal Shrivastava  
Vice-Chancellor  
Jai Narain Vyas University  
Jodhpur (Raj.)

**Witness:**

  
1. Mrs. Gomati Sharma,  
Registrar, JNVU

  
2. Prof. Krishn A. Goyal

Director, Institute of Evening Studies, JNVU

**DIRECTOR**  
INSTITUTE OF EVENING STUDIES  
JAI NARAIN VYAS UNIVERSITY  
JODHPUR



**Jai Narain Vyas University, Jodhpur**  
**(Development Section)**

NO.JNVU/Dev./2022/3089

Dated : 11.5.2022


Dibyayan Deb  
Project Scientist -I  
NER-BPMC  
Department of Biotechnology  
National Productivity Council (NPC) Building  
Ground Floor, 5-6 Institutional Area  
Lodhi Road, New Delhi - 110003  
Contact No. +91-1124665100

Sub: Submission of Memorandum of Agreement (MOA) as well as and terms  
& conditions of the grant received under DBT LEGUMS PROJECTS.

Sir/Madam ,

Please find enclose herewith the Memorandum of Agreement and Terms & Conditions of the grant received from DBT Multi-institutional Legume network research project entitled " Exploration of native legumes and characterization of associated nitrogen fixing microsymbionts in North -Eastern India for development of biofertilizers (Ref. No. BT/PR28594/NER/95/1496/2018)" for your favourable consideration .

Yours faithfully,

  
Assistant Registrar

Enclosed: As above

NO.JNVU/Dev./2022/

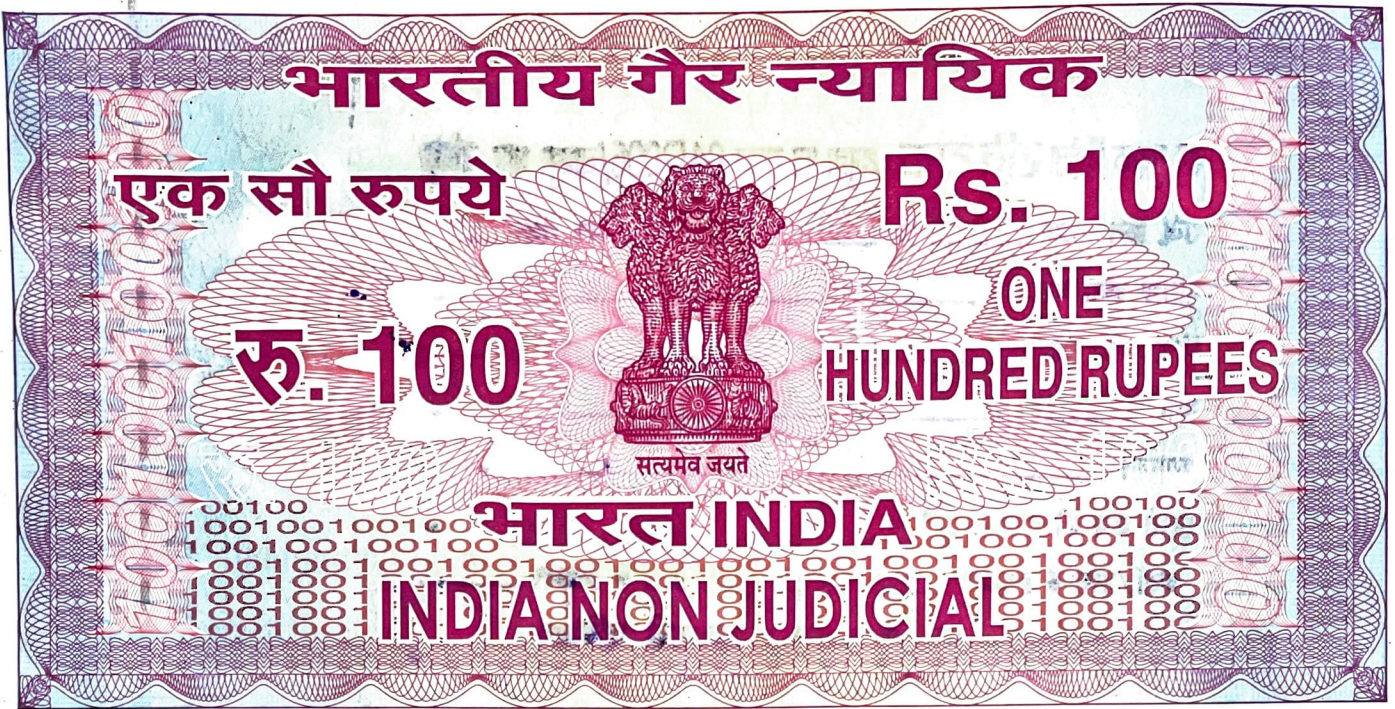
Dated :

Copy forwarded to the following for information and necessary action.

1. The Head, Department of Botany, J.N. Vyas University, Jodhpur
2. Dr. Nisha Tak, Department of Botany, J.N. Vyas University, Jodhpur

  
Assistant Registrar





राजस्थान RAJASTHAN

BF 519520

### MEMORANDUM OF AGREEMENT

This MEMORANDUM OF AGREEMENT is made on this **The 2<sup>nd</sup> day of May of Two Thousand and Twenty two** BY AND BETWEEN President of India, acting through, Adviser, Department of Biotechnology, Ministry of Science and Technology, Government of India, New Delhi, hereinafter referred to as the 'DBT' (which expression unless excluded by or repugnant to the subject shall mean and include its successor-in-office and assigns) of the ONE PART;

AND

Jai Narain Vyas University (JNVU), Jodhpur, is a State University constituted under section 2 (f) & 12B of the UGC Act, 1956, having its registered office in/at Residency Road, Jodhpur hereinafter referred to as 'JNVU' Jodhpur (which expression shall where the context so admits include its successors and permitted assigns) of the OTHER PART;

WHEREAS DBT being desirous of **Agricultural Biotechnology** (area of research to be given) decided to support a project submitted by PI Dr. Nisha Tak, Department of Botany, J.N.Vyas University, Jodhpur for the attainment of the objectives, hereinafter described in the Annexure I annexed hereto;

**Dr. NISHA TAK**  
Principal Investigator  
DBT (NER-BPMC) LEGUMES PROJECT  
S.No. BT/PR28594/NER/95/1496/2018

COUNTER SIGNED

**REGISTRAR**  
Jai Narain Vyas University  
JODHPUR (Raj.)



6844 2457 4470

मूद्रांक विक्रेता रवि टाक अनुसू. सं. संख्या 04/2006/चक्र

रजि. क्रम संख्या 301 दि. 25/2022 मूद्रांक देल्यु व क्रम संख्या 100

मूद्रांक विक्रेता का नाम मिश्रा शिव

पता/पत्नी का नाम पारसराज शिव

पता श्रीराम भवन गुलाबगान्धारी

प्रमाणित

हस्ताक्षर की जा में हस्ताक्षर का नाम

पता/हस्ताक्षर के हस्ताक्षर दि. स्थान - रायपुर जिला रायपुर

राजस्थान स्टाम्प अधिनियम, 1998 के अन्तर्गत स्टाम्प राशि पर प्रमाणित अभिमार	
1. आधारभूत आवश्यकता सुविधाओं हेतु (धारा 3-क) - 10 प्रतिशत रुपये	100
2. गाय और उसकी भाल के लक्षण और संवर्धन हेतु (धारा 3-ख) प्राकृतिक आपदाओं एवं मानव विनिर्मित आपदाओं के निवारण हेतु - 20 प्रतिशत रुपये	200
कुल 300 हस्ताक्षर स्टाम्प वेन्डर	



This Memorandum of Agreement (MoA) defines the role and responsibilities of the participating agencies, monitoring and other matters related to the **Exploration of native legumes and characterization of associated nitrogen fixing microsymbionts in North-Eastern India for development of biofertilizers**" (Title of project)

NOW THE PARTIES HERETO AGREE AS FOLLOWS:-

**1.0 . ROLE OF DEPARTMENT OF BIOTECHNOLOGY, NEW DELHI**

To provide funds to the extent of **Rs. 48,00,480/- (Rupees Forty eight lakhs and four hundred eighty)** over a period of **Three years** from the date of sanction of the project, to **Department of Botany, Jai Narain Vyas University, Jodhpur** for undertaking activities as detailed in Annexure 1. Details of the funds to be provided are given in Annexure II.

**2.0. ROLE OF DEPARTMENT OF BOTANY, JAI NARAIN VYAS UNIVERSITY, JODHPUR (Institute/NGO)**

- 2.1. To provide their contribution of Nil for 3 years from date of sanction of the project as detailed in Annexure – II. *(if a jointly supported project)*
- 2.2. To provide existing facilities as mentioned in the project document.
- 2.3. To be responsible for accomplishing objectives identified and activities listed.
- 2.4. To allow the Scientists authorized by DBT to work with the Research & Development team of the center in all stages of process development and production.
- 2.5. To recruit all scientific and non-scientific staff as sanctioned by DBT.
- 2.6. To prepare and submit all periodical reports and other documents that would be required by DBT.

2

  
**Dr. NISHA TAK**  
Principal Investigator  
DBT (NER-BPMC) LEGUMES PROJECT  
S.No. BT/PR28594/NER/95/1496/2018

**COUNTER SIGNED**  
  
**REGISTRAR**  
Jai Narain Vyas University  
JODHPUR (Raj.)



- 2.7. To maintain a separate audit head of account for the grants received from DBT for the project.
- 2.8. To submit an annual audited statement of expenditure incurred under the project.
- 2.9. To ensure effective utilization of the grant given by DBT for the purpose for which it was granted and to ensure timely progress of project work.
- 2.10. The manpower, both scientific and non-scientific, recruited shall be purely on contractual terms & conditions such that the contract for engagement of the manpower shall run concurrently with the said project period only.

### 3.0 DURATION OF PROJECT

- 3.1 Duration of project shall be **three (3)** years from the date the Project has been sanctioned by DBT.

### 4.0 RIGHTS OF OWNERSHIP/TECHNOLOGY TRANSFER AND UTILIZATION

- 4.1 The know-how generated from the project by **Project PI** will be the joint property of JNVU, Jodhpur and DBT, Government of India. It shall be the responsibility of **both** to take necessary action for protection of the intellectual property arising out of the PROJECT through proper instruments, such as, patents, copy rights, etc.
- 4.2 The know-how developed may be transferred to other entrepreneurs on a non-exclusive basis on such terms and conditions as may be determined by DBT.
- 4.3 All the assets including the equipment and produce acquired will be the property of DBT and shall not be utilized for purposes other than those for which the grant has been sanctioned. The rights of **Ownership/Technology and Utilization** under this MoA shall not be transferred to any other party without prior approval in writing of DBT.

  
**Dr. NISHA TAK**  
Principal Investigator  
DBT (NER-BPMC) LEGUMES PROJECT  
S.No. BT/PR28594/NER/95/1496/2018

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**REGISTRAR**  
Jai Narain Vyas University  
JODHPUR (Raj.)



- 4.4 It shall be the responsibility of **PI, Department of Botany, JNVU** to ensure that support of DBT is suitably acknowledged in the publications (papers, reports, etc.) arising out of the PROJECT.

## 5. **SECRECY**

It is hereby agreed that the participating agencies shall keep information and data collected completely secret provided that the right to transfer the technology shall rest with the DBT.

## 6. **MONITORING**

- 6.1 The progress of implementation of the project and proper utilization of grant shall be reviewed by the DBT and by the Monitoring Committee set up by DBT.
- 6.2 The periodic progress of physical achievements and the utilization of funds, statement of expenditure shall be evaluated by the Monitoring Committee.
- 6.3 The Comptroller and Auditor General of India, at his discretion shall have the right of access to the books and accounts of **JNVU, Jodhpur** for the grants received from DBT for this project.
- 6.4 The DBT may terminate the grant at any stage if it is convinced that the grant has not been properly utilized or appropriate progress has not been made. In the event, DBT terminates the grant, **JNVU, Jodhpur** shall hand over all documents including technical details and equipment purchased related to the project.

## 7.0 **DURATION OF MEMORANDUM OF AGREEMENT**

This MoA will remain inforce for the duration of the project and until all claims are settled between **DBT and JNVU, Jodhpur**

## 8.0 **ARBITRATION**

In the event of any question, dispute or difference whatsoever arising between the parties to this Agreement out of or relating to the construction, meaning, scope,

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**Dr. NISHA TAK**  
Principal Investigator  
DBT (NER-BPMC) LEGUMES PROJECT  
S.No. BT/PR28594/NER/95/1496/2018

**COUNTER SIGNED**

  
**REGISTRAR**  
Jai Narain Vyas University  
JODHPUR (RA)



operation or effect of this Agreement or the validity of the breach thereof shall be referred to an Arbitrator to be appointed by mutual consent of both the parties herein. If the parties cannot agree on the appointment of the Arbitrator within a period of one month from the notification by one party to the other of existence of such dispute, then the Arbitrator shall be nominated by the Secretary, Department of Legal Affairs, Ministry of Law & Justice, Government of India. The provisions of the Arbitration and Conciliation Act, 1996 will be applicable and the award made thereunder shall be final and binding upon the parties hereto, subject to legal remedies available under the law. Such differences shall be deemed to be a submission to arbitration under the Indian Arbitration and Conciliation Act, 1996, or of any modifications or reenactments thereof.

## 9.0. GOVERNING LAW

This Contract shall be governed by the Law of India for the time being in force.

IN WITNESS WHEREOF the parties hereto have signed, sealed and delivered this Agreement on the day, month and year first above written in presence of:

Witnesses:

Signed by -----

1.

(Designation)

2.

For and on behalf of The President of India

**COUNTER SIGNED**

Witnesses:

Signed by -----


1.

  
**Dr. NISHA TAK**  
Principal Investigator  
DBT (NER-BPMC) LEGUMES PROJECT  
S.No. BT/PR28594/NER/95/1496/2018

  
-----  
**REGISTRAR**  
Jai Narain Vyas University  
(Designation)

2.

  
For and on behalf of Jai Narain Vyas University (JNVU), Jodhpur

  
02/05/22  
**PROFESSOR & HEAD**  
DEPARTMENT OF BOTANY  
J. N. VYAS UNIVERSITY  
JODHPUR-342005 (RAJ.)



# Memorandum of Understanding (MOU)

BETWEEN



**MARYAM ABACHA AMERICAN UNIVERSITY OF NIGERIA**

[www.maaun.edu.ng](http://www.maaun.edu.ng)

AND



**JAI NARAIN VYAS UNIVERSITY, JODHPUR, INDIA**

[www.jnvu.edu.in](http://www.jnvu.edu.in)



# MEMORANDUM OF UNDERSTANDING (MOU)

BETWEEN

MARYAM ABACHA AMERICAN UNIVERSITY OF NIGERIA (MAAUN), NIGERIA

AND

JAI NARAIN VYAS UNIVERSITY, JODHPUR

The Memorandum of Understanding (MoU) establishes the following:

## Article: 1

**Maryam Abacha American University of Nigeria (MAAUN-KANO)-Nigeria, and Jai Narain Vyas University, Jodhpur**, hereby agree to establish a mutually beneficial relationship built on academic, scientific and cultural cooperation. Areas of cooperation include the exchange of faculty professors, researchers, students, publications, academic programs and research projects, either online or face to face.

## Article: 2

The signing institutions agree to provide opportunity, as appropriate, for the following activities towards the completion of the objective of this MoU.

- Exchange of faculty members with the objective of offering courses in areas mutually agreed upon by both institutions;
- Exchange of researchers with the objective of realizing research projects in areas mutually agreed upon by both institutions;
- Exchange of undergraduate and post-Graduate students with the objective of enrolling students in courses appropriate to their area of study, including availing any scholarship and other funding opportunities available at either institution;
- Support to each other in activities of common interest like exchange of books, scientific publications, study programs, academic projects, program information, webinars, seminars, conferences and any other data and information of common interest;
- Development of joint research projects and joint publications including availing any funding opportunities available at either institution on their countries.

Any other area of cooperation as mutually agreed upon.





### Article: 3

Further implementation details of each program on activity based on this MoU, if required may be negotiated and agreed upon by respective departments of both institutions and such collaborations may form additional appendices to this MoU, as required.

### Article: 4

There will be no financial liability for both the universities

### Article: 5

The signed agreement is valid for a term of five years, and may be extended if both sides agree to do so in writing.

### Article: 6

Changes to this agreement shall be made by mutual consent between both institutions. In cases of disagreement, the University wishing to depart from the agreement shall give six months' notice of its intention to do so. The agreement shall be reviewed after a period of five years.

### Article: 7

This Memorandum of Understanding is signed between **Jai Narain Vyas University Jodhpur** and **Maryam Abacha American University of Nigeria (MAAUN-KANO)-Nigeria**

On behalf of :


**Maryam Abacha American University  
of Nigeria (MAAUN-KANO)-Nigeria**


Dated:

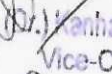
**Jai Narain Vyas University  
Jodhpur**


  
28/09/2022  
Prof. (Dr.) Mohammad Israr,  
President, MAAUN

**PRESIDENT  
MARYAM ABACHA  
AMERICAN UNIVERSITY OF NIGERIA  
KANO**

  
28/09/22  
Dr. Habib Awais Abubakar  
Vice President Administration MAAUN

  
Prof. (Dr.) K.L. Shrivastava  
Vice Chancellor, JNVU

  
Prof. (Dr.) Kanhaiya Lal Shrivastava  
Vice-Chancellor

  
Smt. Gomati Sharma  
Registrar, JNVU

Registrar  
Jai Narain Vyas University,  
Jodhpur







राजस्थान RAJASTHAN

AY 316206



### This Memorandum of Understanding

Made on the 30-08-2022

between

Jai Narain Vyas (State) University, Jodhpur, Rajasthan established under the Rajasthan Act, located at Ratanada, Jai Narain Vyas (State) University Campus, Jodhpur, Rajasthan, India Pin- 342 001 (hereinafter referred to as 'JAI NARAIN VYAS UNIVERSITY'), which expression shall, unless repugnant to the context or meaning thereof, mean and include its successors, executors, administrators and assigns, on the First Part

and

Mahatma Gandhi National Council of Rural Education, Department of Higher Education, Ministry of Education, Government of India and having its registered office at Shakkar Bhavan, Fateh Maidan Road, Basheerbagh, Hyderabad (hereinafter referred to as MGNCRE), which expression shall, unless repugnant to the context or meaning thereof, mean and include its successors, on the Second Part, witnesses as follows.

*[Handwritten signature]*

Registrar  
Jai Narain Vyas University  
Jodhpur





WHEREAS MGNCRE is interested in entering into Memorandum of Understanding (MoU) with well-established academic and Research and Development set upto explore, extend and strengthen mutual relationship for promotion of professional education in rural management by sharing the facilities and expertise available with each of them,

and

WHEREAS JAI NARAIN VYAS (STATE) UNIVERSITY is interested in offering professional academic programmes in rural management both at the undergraduate and the post-graduate level for promotion of rural development and capacity building,

NOW, THEREFORE, IT IS AGREED TO BETWEEN THE PARTIES ABOVE NAMED AS FOLLOWS.

1. Rights and responsibilities of MGNCRE

- (a) Providing the course curriculum developed by the institute to JAI NARAIN VYAS (STATE) UNIVERSITY;
- (b) Providing the online course content to the students and faculty members of JAI NARAIN VYAS (STATE) UNIVERSITY;
- (c) Allowing the students of JAI NARAIN VYAS (STATE) UNIVERSITY to participate in workshops and the faculty members of JAI NARAIN VYAS (STATE) UNIVERSITY to participate in Faculty Development Programmes (FDPs) organised by MGNCRE;
- (d) Providing the opportunities of industry-academic meet to the students and faculty members of JAI NARAIN VYAS (STATE) UNIVERSITY;
- (e) Helping JAI NARAIN VYAS (STATE) UNIVERSITY in arranging field study, summer internship and final placement for their rural management students; and
- (f) Displaying this MoU and the Logo of JAI NARAIN VYAS (STATE) UNIVERSITY on the MGNCRE website.

  
Registrar





2. MGNCRE agrees that all the above services will be provided to JAI NARAIN VYAS (STATE) UNIVERSITY free of charges.
3. Rights and responsibilities of JAI NARAIN VYAS (STATE) UNIVERSITY
  - (a) Introducing rural management programmes/courses at the Bachelor's and Master's level in the university;
  - (b) Promoting the BBA, MBA programs/courses;
  - (c) Utilizing the course content and curriculum developed by MGNCRE;
  - (d) Participating in workshops and FDPs organized by the MGNCRE free of cost; and
  - (e) Associating with FPCs, Other organizations for extending professional help and facilitating the students with internship, apprenticeship.
  - (f) Displaying this MoU and the Logo of MGNCRE on the JAI NARAIN VYAS (STATE) UNIVERSITY website, advertisements and other campaign/publicity material.
4. Both the Parties seek to enhance relations and recognise the benefits to be derived from increased mutual collaboration, cooperation and interaction for further promotion.
5. On behalf of the First Party, Prof.( Dr.) Krishn Awatar Goyal, Director Institute of Evening studies, JAI NARAIN VYAS (STATE) UNIVERSITY with cell no 7597293666 will be the point of contact for further correspondence and coordination.
6. On behalf of the Second Party, Prof. Chethan Babu Chittalkar, Director, Rural Management Programme with Cell No. 9052907212 and email; [chethanmgncre@gmail.com](mailto:chethanmgncre@gmail.com) will be the point of contact for further correspondence and coordination.

*[Handwritten signature]*

*[Handwritten signature]*

Registrar  
Jai Narain Vyas University





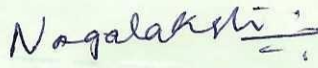
7. This Memorandum of Understanding shall enter into force only solely on the basis of goodwill only and shall never be not be legally bound nor financially binded.
8. The MoU is valid for a period of five years from the date of execution and may be renewed for any other period as shall be mutually agreed to between the parties.
9. If either Party does not wish to continue this MoU, then such Party shall provide the other Party of its intention to terminate this MoU by giving 3 (three) months' notice in writing. However, both the parties agree that for consistency of the MoU, the activities implemented before the termination of the Understanding shall be completed even after termination of the MoU.

IN WITNESS WHEREOF both the parties have subscribed their respective hands and seals on the date first above written.

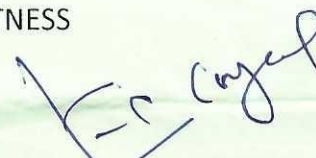
Signed, sealed and delivered in the presence of witnesses

For JAI NARAIN VYAS (STATE) UNIVERSITY, For Mahatma Gandhi National Council of Rural  
Jodhpur, Rajasthan Education

  
(Mrs. Gomati Sharma)  
Jai Narain Vyas University  
Jodhpur  
Registrar, Jai Narain Vyas (State) University,  
Jodhpur, Rajasthan

  
(Dr. A. Nagalakshmi)  
Member Secretary  
Ministry of HRD, GOI  
#5-10-174, Shakkar Bhavan, Ground Floor,  
Faten Maidan Road, Hyderabad- 500 004

WITNESS

  
Prof. Krishn Awatar Goyal  
DIRECTOR  
INSTITUTE OF EVENING STUDIES  
JAI NARAIN VYAS UNIVERSITY  
JODHPUR



WITNESS

  
Prof. Chethan Chittalkar

Mahatma Gandhi National Council of Rural Education  
Ministry of Education, Govt. of India,  
Shakkar Bhavan, Basheerbagh,  
Hyderabad- 500 004, Telangana



**Exchange Agreement  
Between  
Department of Finance, College of Management,  
National Dong Hwa University, Hualien County, Taiwan, R.O.C.  
and  
Institute of Evening Studies,  
Jai Narain Vyas University, Jodhpur, India**

Department and Finance, College of Management, National Dong Hwa University and Institute of Evening Studies, Jai Narain Vyas University, recognizing the mutual benefits of fostering academic exchange and partnership, hereby enter into the following agreement in accordance with the terms and conditions set forth herein.

**Article 1-Objective**

1.1 The purpose of this agreement is to establish academic and scholarly cooperative relations between Department and Finance, College of Management, National Dong Hwa University and Institute of Evening Studies, Jai Narain Vyas University that are of mutual interest to both parties.

**Article 2-Scope and Field of Cooperation**

- 2.1 The following programs are to be administered by both parties:
- (a) Exchange of information and materials that are of mutual interest.
  - (b) Assistance of the visits by staff and faculty.
  - (c) Joint publications or research between faculty and staff.
  - (d) Exchange of students under conditions and circumstances stated in Article 4 of the agreement.
  - (e) Exchange of faculty members under conditions and circumstances stated in Article 5 of the agreement.

**Article 3-Funding & Logistics**

- 3.1 The parties agree to abide by the principles of reciprocity and parity regarding the provision of funding, manpower and logistics, as well as the sharing of finding, of joint research projects. Both parties agree that all financial arrangements are to be negotiated and are subject to the availability of funds.

**Article 4-Terms for Exchange Students**

- 4.1 Each parties may exchange TWO full-time undergraduate or graduate students for a full year exchange or FOUR full-time undergraduate or graduate students for a single semester exchange per year, upon mutual agreement.
- 4.2 The exchange students must satisfy the language proficiency requirements for admissions or take appropriate language instruction prior to the beginning of their academic program as determined by the regulations of the host party.

*Handwritten signature and date:*  
5/21/2022

*Handwritten mark:*

*Handwritten signature:*



- 4.3 The exchange students may apply to any academic program offered at the host party as a full-time, non-degree students at a level determined by the host party. The host party reserves the right to exclude students from restricted enrollment programs.
- 4.4 The host university has the right to reject or withdraw the exchange students not found to be in good financial and/or academic standing prior to or during the program. The host university will undertake to advise the home university of any such withdrawal from the program.
- 4.5 Any academic credit earned at the host university may be transferred to the home university in accordance with procedures determined by the latter.
- 4.6 Any extension of stay beyond the original determined length must be approved by both universities. A non-degree exchange student who wants to apply for degree status must reapply to the host university and follow the appropriate application procedures of the host university.
- 4.7 Exchange students pay tuition fees at their home university but do not need to pay administration and tuition fees at the host university.
- 4.8 Each university should assist exchange students with arrangements for room and board facilities and provide appropriate information and advice.
- 4.9 All exchange students will be responsible for all expenses at the host university, except for tuition, during their attendance at the host university, including accommodation, insurance, books, meals, transportation, and other personal and medical expenses. Prior to the term of exchange, the host university will provide the students with an estimate of the expenses to be expected during the period of attendance at the host university.
- 4.10 Each student will purchase at their own expense medical insurance, which conforms to requirements established by the host university for other incoming international students.

#### **Article 5-Terms for Exchange Faculty Members**

- 5.1 Each party may arrange for its faculty members to visit the other party for research or teaching. The maximum total accumulated time of all visits within one academic year will be twelve months. Both parties should try to equalize the number per academic year of visiting faculty members as well as the total accumulated time per academic year of all such visits between the two parties.
- 5.2 A visit will normally not exceed a period of six months. Costs for the visit (accommodation, travel, meals, other personal expenses, required health insurance, etc.) will be paid for by the visiting faculty members.
- 5.3 The salaries of the visiting faculty members for the visiting period will be provided by the home university.

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5/2/2022

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Chinedu



## Article 6-Duration & Termination


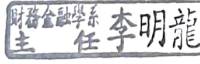
6.1 This agreement will become effective when authorized representatives of the two parties have executed the same and delivered counterparts of such signatures to the other party. We thereby mutually agree to extend the agreement and continue our exchange program partnership on an ongoing basis, to be reviewed periodically by both parties. This agreement is subject to revisions, renewal, or cancellation at any time by each of the parties and by mutual consent. Should either wish to terminate the agreement, they must notify the other party in writing one year prior to date of termination.


## Article 7-Miscellaneous


7.1 No monetary considerations will be exchanged between the parties herein to this agreement.

In witness of the above, the agreement is to be executed in two identical copies, both in English, by authorized representatives of the two parties and each party will retain one copy of the agreement.



On behalf of Department of Finance,  
College of Management, National  
Dong Hwa University, Hualien  
County, Taiwan, R.O.C.


  
  
Ming-Long Lee, Ph.D.  
Department Chair  
Date: 2022.03.15


  
Fang-Ming Hsu, Ph.D.  
Dean  
Date: 22/3/2022

  
Han-Chieh Chao, Ph.D.  
President  
Date: \_\_\_\_\_

On behalf of Institute of Evening  
Studies, Jai Narain Vyas University,  
Jodhpur, India.

  
Dr. K A Goyal  
Director, Institute of Evening Studies,  
JNV University, Jodhpur  
Date: \_\_\_\_\_  


  
Smt. Gomati Sharma  
Registrar, JNV University, Jodhpur  
Date: 5-2-2022

  
Prof. P.C. Trivedi  
Hon'ble Vice-Chancellor  
Jai Narain Vyas University,  
Jodhpur (Raj.)  
Date: \_\_\_\_\_

No JNVU/VC/4641  
Dt. 08-02-2022