

MEMORANDUM OF UNDERSTANDING (MoU)

Between

THE BENAZIR BHUTTO SHAHEED UNIVERSITY OF TECHNOLOGY AND SKILL
DEVELOPMENT (BBSUTSD), KHAIPUR MIRS-SINDH-PAKISTAN.



AND



PAKISTAN MACHINE TOOL FACTORY (PMTF)



MEMORADUM OF UNDERSTANDING (MoU)

BETWEEN

THE BENAZIR BHUTTO SHAHEED UNIVERSITY OF TECHNOLOGY AND SKILL DEVELOPMENT
(BBSUTSD), KHAIPUR MIR-SINDH-PAKISTAN.

&

PAKISTAN MACHINE TOOL FACTORY (PMTF)

In the spirit of scholarly exchange towards the promotion of National Interest, The Benazir Bhutto Shaheed University of Technology and Skill Development (BBSUTSD), Khairpur Mir's-Sindh-Pakistan to be read a "BBSUTSD" and PAKISTAN MACHINE TOOL FACTORY (PMTF) mutually agree upon the following principles to develop intellectual relations, academic and professional cooperation to promote creation, development, implementation, transfer and export of industrial knowledge, technologies and skills through applied academic research in order to benefit Pakistan through imports substitution, export value-addition leading to strengthening national economy of Pakistan

On the basis of respect for each other's independence and mutual benefits, **BBSUTSD** and **PAKISTAN MACHINE TOOL FACTORY (PMTF)** will cooperate and promote the following activities.

- a) Create an effective '**BBSUTSD- PAKISTAN MACHINE TOOL FACTORY (PMTF) Platform**' to establish long-term and sustainable partnership on intellectual and professional basis, and on mutually agreed terms.
- b) **BBSUTSD** will create a special window/office for solution of industrial problems.

- c) **PMTF** will encourage, facilitate and support **BBSUTSD** in directing its intellectual, academic and research activities and essentially industry focused.
- d) **PMTF** will effectively and professionally support **BBSUTSD** in its efforts to establish academic and research systems for addressing the challenges of industry in terms of existing, emerging and future technologies, **PMTF** will be in intellectual partner of **BBSUTSD** in its academic and research efforts to generate innovative and cost-effective solution for **PAKISTAN MACHINE TOOL FACTORY (PMTF)**.
- e) Through an active support of **PMTF**, **BBSUTSD** will work to produce highly capable and efficient industrial-based competency standers, internationally qualified Technologist, and technicians, indigenously developed world class competent-based training and assessment systems in order to enhance University product at the international level.
- f) **PMTF** will actively support **BBSUTSD** in all of its future plans of creating and developing innovative technologies to develop market based technical manpower.
- g) **PMTF** will provide all professional support to **BBSUTSD** in its pro-active academic and research efforts for import substitution, value-addition of indigenous product and experts' enhancement of industry product.
- h) To develop necessary technologies and skills for the **PAKISTAN MACHINE TOOL FACTORY (PMTF)**, **BBSUTSD** will establish close professional linkages with the national and international scientific and research organizations, international industries and professional bodies, **PMTF** will provide all necessary professional support to **BBSUTSD** in establishing such linkages.
- i) **BBSUTSD** and **PMTF** will work very closely to enable **BBSUTSD** to generate most economical, speedy industrial solution and develop best quality products to secure competitive advantages in export for **PAKISTAN MACHINE TOOL FACTORY (PMTF)** and our national industry.
- j) At the national and international level, **PMTF** will provide an active professional support to **BBSUTSD** in its efforts to pdesign and develop hi-end technologies and skills development and state-of-art research centers to develop different industrial

sectors in the county, to provide all academic and research support to regional industry to grow in future, **BBSUTSD** and **PMTF** will jointly tailor-made regional campuses of **BBSUTSD** at cities in the future, **PMTF** will actively inspire regional **PMTF** to get engaged with **BBSUTSD** at professional levels.

k) **PMTF** will help the **BBSUTSD** in placement of their students of Diploma of Associate Engineers (DAE) and Students of BSc Engineering Technologies and trainees of short courses in different departments and trades within Pakistan and with market-based wages.

l) **PMTF** and **BBSUTSD** will jointly organize seminars, workshops, training sessions, interuniversity competitions and events for effective engagement of students.

BBSUTSD and **PMTF** will create Joint Working Group to be named as JWG. JWG will perform following tasks:

- 1) Create **BBSUTSD** corporate Advisory Board (CAB) with three fourth representation from **PMTF**, for periodic review of Curriculum and industrial research work, scrutiny of BBS industry projects including faculty trainings on projects supervision and oversee BBS academic system for its support to industry.
- 2) Identification of required technical, vocational skills and competency standers needed for the **PAKISTAN MACHINE TOOL FACTORY (PMTF) industry**.
- 3) Develop mechanism to define eligibility criteria of **BBSUTSD** "Trainees" required to produce well qualified and highly skills workforce for **PMTF**.
- 4) Create Need-Driven Joint **BBSUTSD** and **PMTF** 'Regional Platform' of relevant academic and **PAKISTAN MACHINE TOOL FACTORY (PMTF)**

j. All joint regional platform will work to do the following:

- 1) Identify industrial process and system requiring technology and skill up-gradation for subsequent research and development project at **BBSUTSD**.

- 2) Facilitate strong intellectual, academic and professional linkages between **BBSUTSD** and **PMTF**.
 - 3) Identify possible research and development projects for **BBSUTSD** and **PMTF** to do value-additions for both sides.
 - 4) Develop joint strategies of imports substitution at the **PMTF** mutually supported **BBSUTSD** research products.
 - 5) Identify Human Resource (HR) for each sector of **PAKISTAN MACHINE TOOL FACTORY (PMTF)** and Globally needed as Engineers, technologies and technical and Vocational Skill and Provide Intellectual support to **BBSUTSD** in developing Human Resource (HR) for **PAKISTAN MACHINE TOOL FACTORY (PMTF)** within Pakistan and globally.
 - 6) Formulate in development required Human Resources (HR) for **PAKISTAN MACHINE TOOL FACTORY (PMTF)** in Pakistan and Globally.
- k. **PMTF** will nominate two industry experts as active members for each of the following committees on mutually agreed basis.
- 1) Industrial Advisory Committee (IAC)
 - 2) Corporate Advisory Committee (CAC) for office for Research, Innovation and Commercialization (ORIC).
- l. **BBSUTSD** will establish Special Industry Policies Formulation Cell (IPFC) at its **BBSUTSD** office of Research, Innovation and Commercialization (ORIC) within an active representation from **PMTF**, IPFC will do the following:
- 1) Get input from the **PMTF** to their technical and policy-based issues with different Govt institution and Industrial policy making bodies.
 - 2) Interact with the concerned Govt. department and policy making bodies for sharing industry concerns on technical and professional matters.
 - 3) Will engage **BBSUTSD** experts to draft comprehensive draft policies for Govt. to promote technology, benefit national industry.

- On the recommendation of University IPFC, **BBSUTSD** and **PMTF** will jointly take draft polices to the concerned Govt. policy makers for their approval in the best interest of industry.
- n. **BBSUTSD** and **PMTF** will jointly work towards the resolution of industry issue related to energy and infrastructure development through technology driven economical solutions.
 - o. As part of mutual ethical obligation **BBSUTSD** and **PMTF** will promote advancement of knowledge, science, technology and skills through exchange of ideas, mutually organized and supported science, technology and industry exhibitions, workshops, seminars, symposia, national and international conferences, industry internships, field visits, On the Job (OJT) training and job placement for students and as well faculty and staff of the **BBSUTSD**.

This MoU is non-binding in nature and essentially has no financial obligation to **BBSUTSD** and **PMTF**.

All the clauses /sub-clauses and the whole document of this MoU cannot be referred or reproduces as evidence in any legal matter or dispute.

In case of any dispute between **BBSUTSD** and **PMTF** related to this MoU, **BBSUTSD** and owner **PMTF** will appoint a joint resolution committee of equal representation whose recommendations will be final.

This MoU will effective from the date of its signing and will be of FIVE (05) years of duration with provision for further extension(s).

A one-month (01) month advance notice is required for any unilateral decision between either **BBSUTSD** and **PMTF** to leave/cancel the MoU.

Engr. **Ayaz Ali Mandan** and Engr. **Ghulam Raza Jafary** will act as the "Focal Persons of **BBSUTSD** and **PAKISTAN MACHINE TOOL FACTORY (PMTF)** respectively, for the purpose of necessary coordination and implementation of this MoU, respectively

The Benazir Bhutto Shaheed University
of Technology and Skill Development
(BBSUTSD), Khairpur Mir's-Sindh-
Pakistan.



Engr. Prof Dr. Rasool Bux Mahar
Vice Chancellor
(BBSUTSD)

Date: 31/8/23



Engr. Ayaz Ali Mandan
Directorate
Industry of Academia- Linkages
(BBSUTSD)

Date: 31st-August-2023

Name of Witness: Engr. Ayaz Ali

CNIC # 45206-7068754-3

PAKISTAN MACHINE TOOL FACTORY
(PMTF)



Maj General Abid Mumtaz Malik (Retd)
Managing Director
Pakistan Machine Tool Factory

Date: 31 Aug 2023



Engr. Ghulam Raza Jafary
Head (PMTF Skill Development Institute &
Development Projects)
Pakistan Machine Tool Factory

Date: 31-08-2023

Name of witness: Engr. Ghulam Raza Jafary

CNIC # 42501-1496618-5