

1. Industrial Final Year Project (iFYP)

The iFYP program allows industries to partner with USM engineering students to work on real-world industry challenges.

- **Key Benefits:**
 - **Customized Solutions:** Address specific business or technical issues via student-driven projects.
 - **Lab Access:** Get subsidized internal rates on advanced laboratory testing and analysis.
 - **Value Creation:** Convert student research into functional data, formal reports, or prototypes.
 - **Talent Pipeline:** Identify and recruit high-performing graduates who are already familiar with your operations.
 - **Recognition:** Shared recognition via co-authored publications.

2. Research Partnerships & Industry Grants

Companies can sponsor specific research topics (e.g., process simulation) through industry grants lasting **more than 1 year**.

- **Advantages:**
 - Supervision by Ph.D.-qualified faculty and professional experts (over 30 specialists available spanning areas like oleochemicals, energy, water recovery, process optimization, and safety).
 - Equipment usage within the school is charged at low internal prices.
 - Student stipends are negotiable based on required onsite working hours.
 - Common lab equipment and glassware are inclusive.
 - *Note: Costs exclude a minimum 2.5% charge from the USM Research Creativity and Management Office (RCMO).*

3. Consultation & Specialized Services

Industries can leverage USM's expertise for targeted commercial services:

- **Scope of Services:** Specific laboratory tests, process simulation, design & fabrication, and professional education/training.
- **Pricing & Structure:**
 - Costs are estimated based on expert man-hours and involvement.
 - Student stipends are factored into the test/simulation pricing.
 - Technician overtime is covered under external rates.
 - *Note: Final pricing excludes USAINS (12%), USM (8%), and Service Tax (SST 6%).*

4. Legal Framework & Agreements

All partnerships are formalized via official USM channels through the **ICNIS online system**. Agreements are ultimately signed by the Vice-Chancellor (VC) and witnessed by the Dean. Available templates include:

- Memorandum of Understanding (MOU) & Memorandum of Agreement (MOA)
- Collaboration & Research Collaboration Agreements
- Non-Disclosure Agreements (NDA) – Short, Mutual, and USM versions
- Intellectual Property (IP) Rights Sale and Endowment Agreements

5. Extended Benefits

- Pathways to postgraduate studies and lecturer attachments.
- Community-driven projects and government-backed technology development funding (e.g., MOSTI eDana).
- Joint IP sharing schemes and eligible **double tax exemptions** for the industry partner.

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