



BITS Pilani

Pilani | Goa | Hyderabad | Dubai



Skill Development & Leveraging Technology

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Skill Development Should be integrated Into the Programme Curriculum

Unique Features of Education at BITS Pilani



industry immersion → Pioneering efforts for work readiness ... Practice School I and II

The best teachers now teach at your office
Work Integrated Learning Programme (WILP)

Single or multiple skill development.....

Certificate programmes for weeks to months

Help students develop the language to describe their skills & abilities and help in placement: Help in Placements as PS stations offers job: This year placement is more than some IITs



Verticals of Skill Development

Skilling India for several decades → Unique operation and quality model

- Industry Immersion (Practice School) as part of Program: 8 wks + 22 wks; Strong industry linkages. Real life experience of doing live Projects
- Work Integrated Learning Programs for industry professionals: 21,000 enrolled: Using technology to teach them at workplace
- Short-term Certificate Programmes in single or multiple areas
- Novel pedagogy, capacity bldg. with no ext. support. National Impact

Industry Immersion (Practice School) for Skill Development



- 2500 x2 Students are trained every year as part of their programme, like internship of Medical degree. To be 3500
- ➤ 8 weeks after 2nd Year (during summer) as a 5 unit course, accompanied by a Faculty. 250 Companies/Industries
- 22 wks (more than a semester) at Final year, 20 unit course, doing live project, permanent faculty at Stations, in live project
- ➤ Meets needs of industry, students & univ in developing, delivering and reflecting upon learning experiences → 360 deg benefits
- ➤ We value work experience as a significant element of student learning → help students discover how they learn via work experience led to more placement

Work Integrated Learning Programme: Practice based curriculum & pedagogy



The best teachers now teach at your office WILP

- Curriculum designed as per need of Industry/Employer and Employee
- Teach 21000+ working students every semester using technologies and multiple modes
- ➤ Meets needs of industry, students & univs in developing, delivering and reflecting upon learning experiences → 360 deg benefits
- ➤ We value work experience as a significant element of student learning → help students discover how they learn via work experience
- Novel pedagogy, capacity bldg with no external support.

Work Integrated Learning Programme: Practice based curriculum & pedagogy



- Tailor-made programme made for different level of employees: Working people with +2; Diploma Engg; B.Sc.; B.E/B.Tech
- Different duration based on need of employer, students background and expected knowledge and skill requirement
- Specific Industry/organization based or Clusture/locale based: Pune, Bangalore, Gurgaon etc
- Hands on training at workplace or through Interactive remote laboratory
- Working is integrated as part of learning and curriculum as employment is compulsory
- ➤ Power, Process and Automobiles are part of low level workforce: NTPC, TATA Power, Essar Power, DRL, Grasim,

Work Integrated Learning Programme: Practice based curriculum & pedagogy

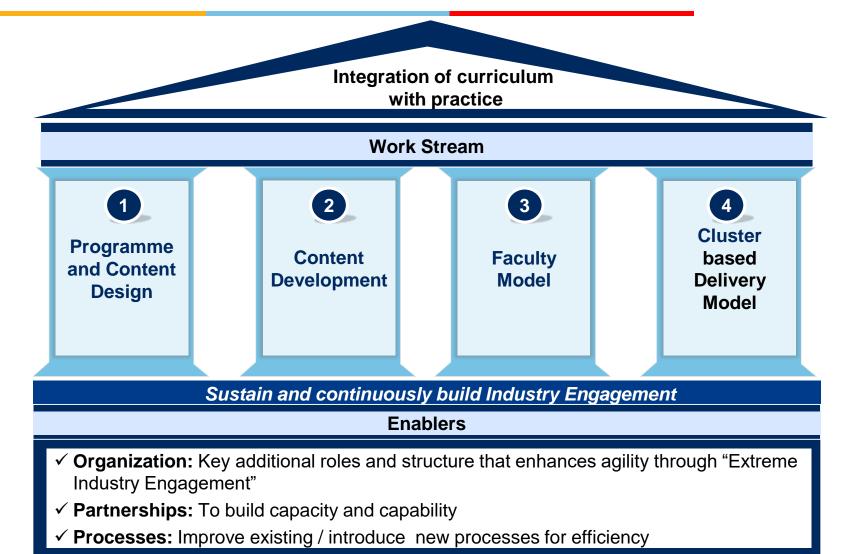


- Higher level workforce: Software companies, Heavy industries, Electronics/Microelectronics companies; Wipro, Cisco, SAP, Vedanta, JSW, Lupin Lab
- Multiple Certificate courses/programmes for different level of workforce through multiple channels and/or online platform: From few weeks to months; specialized areas like Big Data Analytics, Machine Learning, IOT etc
- 10 courses on Science and Technology to be made available in Govt MOOC initiative called SWAYAM online platform and SWAYAM Prabha channel
- As contributing partner of Edex, BITS developed and offering courses in MOOC and Flip mode
- Learning of WILPD is used in on campus

WILP Framework



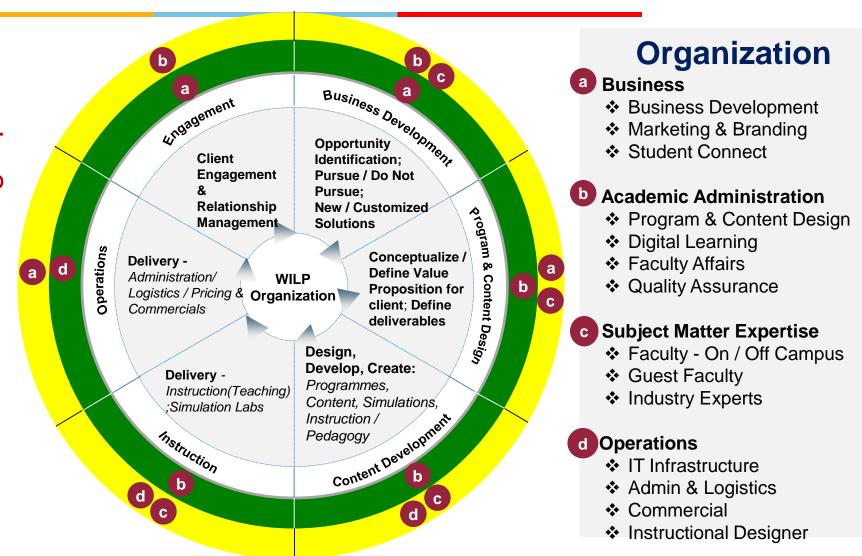
A corporate vertical within the Univ



→ enhance learning experience Integrating Business, Academic and Admin

WILP: Value Chain Wheel





Programme and Content Design





Industry Needs			WILP	Value Proposition
 Business Environment Client Understanding: Attrition, Productivit Sales Intelligence 	Programm Objectives Retention, Up-Sk	• Program • Structu	re – Trimest	h, MTech, Certification er, Semester Classroom, Hybrid
• Course Objectives based on Learning Needs Cour	rse 1 Course 2 + Foundation + Ele			Resources s, Online lab access)
Course 1: • Re-usable & Custom		ourse 3: Course	N:	
Content	Topic 1, 2N To	pic 1, 2N Topic 1, rious Formats	2N	• Evaluation & Scheduling
Lecture Lab	Tutorial	Self Learning	Experientia Learning	al
- Combination of Learning Modes -				

Innovation In Pedagogy







Interactive Remote Laboratory: Real lab infrastructure with anywhere access (accompanied by a video clip)



Objective

Any one; Any where; Any time

Thanks