

Industrial Partnership

Courses is being offered under guidance of technocrats from leading IT industry. University has signed MOU with Top IT industries for providing Training to students and assist in providing Placement after completion of course.

Recently on 11th July 2019, with efforts of Computer Science Engineering Dept. Bhagwant University has signed MOU for Industry Honour Certification with Tata Consultancy Services (TCS) under their project Digital Learning Program (DLP). Bhagwant University is the first educational institute in Rajasthan which is selected by TCS for this program. This program will cover 90 hours training on various future technologies like IOT (Internet of Things), Data Science, Data Mining, Big Data, Solar Technologies, Robotics, Artificial Intelligence, Deep Learning .



विद्यार्थियों को मिलेगा विश्व स्तरीय प्रशिक्षण व रोजगार

अजमेर, (बालकिशन शर्मा): भगवंत विश्वविद्यालय ने टीसीएस कम्पनी के साथ समझौता पत्र साइन किया। विश्वविद्यालय के डीन डॉ. धर्मेन्द्र दुबे ने बताया कि टीसीएस जैसी विश्वस्तरीय कम्पनी ने भगवंत विश्वविद्यालय की उच्च



भगवंत विश्वविद्यालय और टीसीएस कम्पनी के बीच हुए एमओयू के दौरान उपस्थित डीन दुबे और कम्पनी के पदाधिकारी।

तकनीकी सुविधाओं से सन्तुष्ट होकर समझौता पत्र पर हस्ताक्षर किए। इसके तहत टीसीएस कम्पनी भगवंत विश्वविद्यालय के इंजीनियरिंग व अन्य छात्रों को उच्चस्तरीय प्रशिक्षण देगी, जिसमें आईओटी, रोबोटिक्स, मशीन लर्निंग, डेटा साइंस, सोलर तकनीकी जैसे भविष्य की तकनीकें रहेगी। डॉ. दुबे ने बताया कि राजस्थान में एक मात्र विश्वविद्यालय है, जिसने टीसीएस कम्पनी के साथ समझौता पत्र हस्ताक्षर किया है। यह एमओयू के तहत टीसीएस विश्वविद्यालय के छात्रों को विश्वस्तरीय संस्थानों में रोजगार के अवसर उपलब्ध कराएगा। टीसीएस विश्वविद्यालय के शिक्षकों को और स्टाफ को भी प्रशिक्षण देगा। एमओयू में टीसीएस की ओर से सुमित वर्मा एवं भगवंत विश्वविद्यालय की ओर से रजिस्ट्रार डॉ. दिनेश मंडोत ने समझौता पत्र पर हस्ताक्षर किए। इस अवसर पर डॉ. डीन राजीव सिंह, डॉ. धर्मेन्द्र दुबे, डिप्टी

आरके माधुर, टीपीओ मयंक सक्सेना और सभी विभागाध्यक्ष एवं विद्यार्थी उपस्थित रहे। भगवंत ग्रुप के चेयरमैन डॉ. अनिल सिंह, वाइस चेयरमैन डॉ. आशा सिंह ने कंप्यूटर साइंस विभाग, टीपीओ विभाग एवं विश्वविद्यालय प्रशासन को बधाई दी। कुलपति प्रो. वीके शर्मा ने छात्रों से कड़ी मेहनत एवं लगन से लक्ष्य को प्राप्त करने पर जोर दिया।

भगवंत विवि का टीसीएस से एमओयू

अजमेर। भगवंत विश्वविद्यालय ने शनिवार को टी.सी.एस. कम्पनी के साथ एमओयू किया। डीन डॉ. धर्मेन्द्र दुबे ने बताया कि इसके तहत कम्पनी द्वारा विश्वविद्यालय के इंजीनियरिंग व अन्य छात्रों को विश्व की उच्चस्तरीय आई.टी., रोबोटिक्स, मशीन लर्निंग, डेटा साइंस, सोलर तकनीकी जैसी भविष्य की तकनीकों का प्रशिक्षण देगी। राजस्थान में ये एक मात्र विश्वविद्यालय है, जिसने टी.सी.एस. कम्पनी के साथ समझौता पत्र पर हस्ताक्षर किए हैं। इससे विवि के छात्रों को विश्वस्तरीय संस्थानों में रोजगार के अवसर उपलब्ध कराएगा। टी.सी.एस. विश्वविद्यालय के शिक्षकों को और स्टाफ को भी प्रशिक्षण देगी। एम.ओ.यू. में टी.सी.एस. की ओर से सुमित वर्मा एवं भगवंत विश्वविद्यालय की ओर से रजिस्ट्रार डॉ. दिनेश मंडोत ने हस्ताक्षर किए। विश्वविद्यालय के कुलपति प्रो. वी.के. शर्मा ने छात्रों से मेहनत एवं लगन से अपने लक्ष्य को प्राप्त करने पर जोर दिया।

TCS iON Industry Honour Certification (B.Tech)

Degree
+

Industry Certification



4/25/19

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AICTE Model Course Curriculum Overview for B. Tech

	Category of Course	# of Credits								
			Sem I	Sem II	Sem III	Sem IV	Sem V	Sem VI	Sem VII	Sem VIII
1	Humanities and Social Sciences including Management courses	12	Y	Y	Y	Y	Y	Y	Y	Y
2	Basic Science courses	25	Y	Y						
3	Engineering Science courses including workshop, drawing, basics of electrical/mechanical/computer etc	23	Y	Y	Y					
4	Professional core courses	48		Y	Y	Y	Y	Y	Y	Y
5	Professional Elective courses relevant to chosen specialization/branch	18					Y	Y	Y	Y
6	Open subjects – Electives from other technical and /or emerging subjects	18						Y	Y	Y
7	Project work, seminar and internship in industry or elsewhere	15				Y	Y	Y	Y	Y
8	Mandatory Courses	NC	Y	Y	Y	Y				
	Total	160*								
9	Honour Electives	20*						Y	Y	Y

* Denotes minimum Requirements

TCS iON Industry Honour Certification | The Need

- Industry inputs on trending topics across sectors blended with academic sessions is a strong need for **academia**
- Integrating applied knowledge and hands-on with academic knowledge will prepare **students** well for the future
- Industry participation in acknowledging the student proficiency through a certification will be a boost for **Institution, Industry** and the **student**
- The **institution credence** gains significantly for offering a strong industry integration with academia.

An Industry Honour Certification program that continuously makes academic content more relevant to students and industry is a compelling need.

TCS iON Industry Honour Certification | Introduction

- TCS in collaboration with Industry leaders to announce Industry Honour Certification Program for select trending topics that are relevant for the Business 4.0 era
- Institutions can choose to offer from a set of electives to their students and integrate with their core degree programs
- The Electives will be offered in a Phygital mode. The physical classroom interventions (**if applicable**) will be brought by the institution. The digital interventions will be brought by the collaborating corporate
- The Tech Platform to offer the elective in a Phygital mode will be made available by TCS. The program management of onboarding the Industry inputs will also be brought together by TCS
- The lead institution will get an opportunity to shape the elective and continuously improve the same, so that it meets all the needs of academia
- A board of studies with strong academic and industry background will stamp the Industry Honor Certification program before it goes live

TCS iON Industry Honour Certification | Concept

Humanities and Social Sciences including Management courses
Basic Science courses
Engineering Science courses including workshop, drawing, basics of electrical/mechanical/computer etc.
Professional core courses
Project work, seminar and internship in industry or elsewhere
Mandatory Courses
Professional Elective courses relevant to chosen specialization/branch
Open subjects – Electives from other technical and /or emerging subjects
Honour Electives

**TCS iON
Industry
Honour
Program**

- Students have the ability to choose electives offered by the industry which can either be–
 - ✓ **Offered as alternate electives** taken as part of degree
 - ✓ **Offered additional electives** taken as a honour prg.
- The electives are brought together by TCS iON
- The electives taken either by replacing or in addition to the existing course structure of the institute would be **reflected in the student's transcript issued by the university**
- Each elective offered would be of **5 credit points**

Lecture	Tutorial	Practical	Credit
3	1	1	5

Lecture	Tutorial	Practical	Total Hours*
45	15	30	90

Transform Education through Technology and Industry Connect



Digital content in multi-modal form

- Course to consist various multi modal content to provide learners with multiple learning enablers
- Delivered through iDLH Digital course



Digital Lectures

- Multiple Digital lectures delivered by renowned academician and industry expert, spread across the entire duration of the course
- Delivered through live classrooms



Academic Community

- Learning communities moderated by renowned professors and educators from the lead institution
- Delivered through iDLH Digital community



Industry Connect Community

- Learning communities to be moderated by a subject matter expert from the industry
- Delivered through iDLH Digital community



Industry Assignment

- Access to 2 Industry mini – projects for practical exposure to the students along with virtual hands-on environment
- The performance of the students to be evaluated by respective institution's faculty

Transform Education through Technology and Industry Connect



Practice Assessment

- Access to 2 practice assessments for continuous self evaluation
- Students to receive personalized real time analytics report of their strengths and areas of improvement



Summative Assessment

- Students to appear for summative and formative assessments at college premises.
- The students will be assessed in 2 stages i.e. Part-1: Test of Knowledge (objective) and Part-2: Test of Application as applicable (objective or hands-on or assignment)



Verifiable Digital Certificate

- Successful students to receive a digital certificate which can be verified through online platform



Internship Opportunity

- Internship opportunity subject to topper in the electives and subject to vacancy in the corporates



Job Opportunity

- Gain visibility to job vacancies from the most sought after corporate recruiters that recognize the certification



- **Digital content in multi-modal form**
- **Digital Lectures**



- **Academic Community**
- **Industry Connect Community**
- **Practice Assessment**



- **Industry Assignment (2 mini-projects)**
- **Virtual Labs**
- **Institutional Physical Labs (Optional)**

TCS iON Industry Honour Certification | Elective Catalog

Computer Science & Information Technology

1. Advanced Social, Text and Media Analytics
2. Usability Design of Software Applications
3. Cloud Computing
4. Information Security
5. **Machine Learning**
6. **Introduction to Innovation, IP Management & Entrepreneurship**
7. **Design Thinking**
8. **Data Mining and Analytics**
9. **Artificial Intelligence**
10. **Introduction to IoT**
11. **Robotics and Embedded Systems**
12. **Deep Learning and Neural Networks**

Electronics & Communication Engineering

1. Intelligent Control
2. Intelligent Game Design
3. Computational Foundations Of Cyber Physical Systems
4. Nano-electronics
5. **Machine Learning**
6. **Introduction to Innovation, IP Management & Entrepreneurship**
7. **Design Thinking**
8. **Data Mining and Analytics**
9. **Artificial Intelligence**
10. **Introduction to IoT**
11. **Robotics and Embedded Systems**
12. **Deep Learning and Neural Networks**

Mechanical Engineering

1. Automotive Sensors And Instrumentation
2. Energy Conservation And Management
3. Engineering Economy, Costing And Accounting
4. Mechatronic Systems
5. Solar Energy Technology
6. **Machine Learning**
7. **Introduction to Innovation, IP Management & Entrepreneurship**
8. **Design Thinking**
9. **Data Mining and Analytics**
10. **Artificial Intelligence**
11. **Introduction to IoT**
12. **Robotics and Embedded Systems**
13. **Deep Learning and Neural Networks**

Academia

- Administer the Electives on the campus
- Organize all physical resources – Faculty, classroom, hands-on labs, assessment infrastructure
- Conduct the formative and summative assessments
- Integrate the certification assessment performance in student transcript

TCS iON Industry Honour Certification | Pricing

Per Elective Pricing

- Each elective to be priced around INR **17,000***
- Each elective should comprise of 5 credit points
- The price is inclusive of all the elements to provided as part of the value proposition, e.g., Course, Community, Live Classroom, etc.

Institutional purchase discount @ **12%**

Bundled Pricing

- Candidates have the ability to choose a bundle of **4** electives (total of **20** credit points), which can either –
 - Replace the existing electives taken as a course
 - Taken in addition to the course as elective/industry honors
- The bundled to be priced around INR **42,000***

Institutional purchase discount @ **14%**



THANK YOU