SYMBIOSIS UNIVERSITY OF APPLIED SCIENCES (SUAS)
(Established by Govt. of M.P. vide Act No. 23 of 2016 & Recognized by UGC u/s 2(f) of 1956 Act)

B.Tech in CS&IT, Automobile and Mechatronics Engineering

1. Is Symbiosis Indore and Pune are same?

Symbiosis Indore and Pune are same. However Symbiosis Indore has skill development as its focus in high employment sectors to produce industry ready professionals. Symbiosis Indore is the first Skill Development University of the Country and is a self-financed University established under the provisions of Madhya Pradesh Niji Vishwavidyalaya Adhiniyam 2007.

2. How is this Skills University Different?

All the schools at Symbiosis Indore provide the student with an opportunity for ‘learning by doing’ through practical training at the industry, on campus, and internship semesters which will expose the students to the real world work environment. The incubation centres and centres of excellence help to test and explore innovations thereby elevating the entire education to the next level. The Schools offer a range of Certificate, Diploma and Degree programs in line with the industry requirement. The curriculum has been designed in consultation with the industry to ensure that the students are job ready and employable on completion of the course from the University. Each course within the program is modular and credit based. Learning outcomes and skill competency levels expected from students have been clearly defined. The Program structure allows multi-entry & multi-exit facility to students. The policy for multi-entry & exit shall be as prescribed by the statutory bodies of the University. Vertical mobility will be provided from certificate to degree programs to ensure career progression from one job role to the next. The students will have the option to accumulate and transfer credits to relevant programs of the University over a period of time. We have a Well-designed Training Bank and Finance Lab within the campus which helps students to practice the actual work that they are expected when they join the Industry after placements.

3. Why your fees is very high as compared to the other institutes?

Symbiosis Indore offers a specialized BBA program and is first skill Development University of India. The basis focus will be on skill development and practical training. We have a Mock Training bank and Finance lab which will help students to develop key BFSI Skills @ today's industry requirement. Also regular Industry interactions will bridge the gap between Theory and Practice session. We focus on 70% practical and 30% theory for the learnings of the students.

The basis focus will be on skill development and practical training. We have a mock store, visual merchandising lab, fully functional retail store by Future Group which will help students to develop key Retail Management Skills @ today's industry requirement. Also regular Industry interactions will bridge the gap between Theory and Practice session. We focus on 70% practical and 30% theory for the learnings of the students.

4. What is the process of admission for B.Tech?

The process of admission involves the following steps:

- Fulfilling the eligibility conditions of Passed 10+2 examination with Physics and Mathematics as compulsory subjects along with one of the following subjects namely Chemistry/Biotechnology/Biology/Technical Vocational subject from any recognized Board/Council/University with minimum 45% marks for general (open) category and 40% marks for students of reserved category.

- Registration for Symbiosis Skills Universities Test (SSU) in our website www.ssuentrance.org

- Booking slot for entrance at available cities where the test is being conducted;

- Taking and clearing the entrance test conducted by Symbiosis, Indore; and Followed by Counselling.

5. Whether SSU Entrance test is compulsory for getting admission in B.Tech?

Yes it is compulsory.
6. Can I get admission if I do not appear in Symbiosis Indore entrance exam?

Symbiosis Skills Universities Test (SSU) is mandatory for admission in B. Tech and have will have to appear for the Counselling at the University campus as per the schedule allotted to you.

7. What is the fee for SSU Entrance examination?

For students who would be appearing for the SSU entrance exam the fee would be Rs. 1500.

8. I am not from Indore, do you have Centre at any place for giving entrance test. If not, can you provide me the test Center across a particular region?

Symbiosis has its exam Centre all across the country and for your the nearest Centre Kindly Refer our website http://ssuentrance.org

9. What is the syllabus for the B.Tech Entrance? Can you mail us?

The Syllabus can be accessed on our website- http://www.suas.ac.in/admission

10. What are the subjects offered in B.Tech- CSIT, Automobile and Mechatronics?

- The B tech in CS / IT has been mapped to the job roles in demand in the Artificial Intelligence; Machine Learning; AR, VR & MR; IoT; Big Data along with the established domains like Service Industry; Software Applications; Operating Systems and Networks; Computer design & Architecture; Cyber Security Industries. During the program tenure of 4 years the program builds a strong foundation of programming languages, Big data analytics, IoT, Artificial Intelligence, Database Management System, Web Technology, Data Warehousing and Mining, Software Engineering, Operating System, Computer Network, Innovation & Entrepreneurship, LAMP Technology. Scheme also have the subject to cover domain knowledge of CS/IT. Depending on the stream of specialization appropriate training are planned. In the 8th semester a project need to be prepared on real time problems. Overall the course is structured in a way to give a well-rounded knowledge and practical training to the student on which he can build further and become a valuable contributor in the professional world.

- The B tech in Automobile has been mapped to the job roles in demand in the Automobile Industries. During the program tenure of 4 years the program builds a strong foundation of Applied Thermodynamics, Automotive Engineering Fundamentals, Control Engineering, Computer Aided design, MATLABS, Vehicle Electronics, Automotive Engineering etc. It also builds an understanding of the Automobile sector as a whole which involves electric vehicles to autonomous vehicles and their implications across industries. In the 3rd year the student can opt for the electives to enhance their domain knowledge. Depending on the stream of specialization appropriate training are planned. In the 8th semester a project need to be prepared on real time problems. Overall the course is structured in a way to give a well-rounded knowledge and practical training to the student on which he can build further and become a valuable contributor in the professional world.

- The B tech in Mechatronic has been mapped to the job roles in demand in the Automation Industries. It is a combination of Mechanical, Electrical & Electronics, and Computer Subjects. During the program tenure of 4 years the program builds a strong foundation of Applied Thermodynamics, Automotive Engineering Fundamentals, Control Engineering, Computer Aided design, MATLABS, Vehicle Electronics, Network Analysis etc. It also builds an understanding of the Automation sector as a whole which involves Internet of things, Artificial Intelligence and Robotics. In the 3rd year the student can opt for the electives to enhance their domain knowledge. Depending on the stream of specialization appropriate training are planned. In the 8th semester a project need to be prepared on real time problems. Overall the course is structured in a way to give a well-rounded knowledge and practical training to the student on which he can build further and become a valuable contributor in the professional world.

11. What is the fee structure B.Tech?

For further details on fee structure for B.Tech, you may please refer the following link on the website of SUAS.

http://www.suas.ac.in/course/computer-science-information-technology/#1512987466705-4bfa252c-75e6
12. When the classes will be commencing?

The classes will commence in the month of July-August 2018. Details will be communicated in due course on the website or through personal communication to selected candidates.

13. When will the merit list be displayed?

The merit list will be displayed in the month of June 2018.

14. Is hostel compulsory for students? What are the facilities in the hostel? What is the fee for hostel?

NO. However, The University has separate hostels for girls and boys with all advanced facilities for the students who require hostels. It is G plus designed with 6 floors which can accommodate 700 boys and 700 girls in the first phase. There is a 24-hour security guard and CCTV camera for security in the whole campus. Indoor and outdoor games are available. A recreation room with TV, cable and newspapers are also available. Breakfast, Lunch, & Dinner facilities are available in the hostel campus. For details you may also refer the following link.

http://www.suas.ac.in/infrastructure/


15. Who are the faculties and where are they come from? And what about their research experience?

The Faculty Members are experts in academics and from industry with rich experience of research too. For details, you may please refer the following link:

http://www.suas.ac.in/management-faculty/ and http://www.suas.ac.in/engineering-faculty/

16. Which courses are offered in Symbiosis Indore other than B.Tech CSIT, Automobile & Mechatronics and duration of each course? And what is the intake of each stream?

We have following UG programs:

1. BBA – Retail and E-commerce Management
2. BBA - Banking, Financial Services and Insurance.
3. B.Tech. - Automobile Engineering / Mechatronics / Computer Science & IT.
4. MBA - Banking, Financial Services and Insurance

Further details can be accessed on the website - http://www.suas.ac.in/ under the tab Programs.

17. What about the examination system and evaluation scheme?

The evaluation involves continuous comprehensive evaluation (CCE) scheme and end-semester evaluation for both theory and practical skills. The end-Sem practical is put in place along with compulsory external assessment by industry experts of students in each course. More focus is on practical assessment so we have allotted 70% weightage to Practical Assignment and Projects and remaining 30% for theory assessment.

18. What is the difference between B.Tech CSIT, Automobile & Mechatronics and normal B.Tech with specialization?

- B.Tech in CS/IT focuses on Software to Automation Industries The curriculum has been designed in consultation with the industry to ensure that the students are job ready and employable on completion of the course from the University, Learning outcomes and skill competency levels expected from students have been clearly defined, Vertical mobility will be provided from certificate to degree programs to ensure career progression from one job role to the next. Whereas CS and IT engineering are individual learnings and focus on more theory than practical which doesn't makes a student project equipped or a domain where he can apply his learnings
- B.Tech in Automobile focuses on Applied Mechanical Engineering and its tools. It involves learning in Design and Testing, Manufacturing and Auto Electronics with an approach of 70% practical which at the end of the program helps a student to make a working project/model. Whereas traditional mechanical approach focus on
more theory than practical which doesn’t makes a student project equipped or a domain where he can apply his learnings.

- B.Tech in Mechatronic focuses on Industrial Automation and its tools. It involves learning Analog and Digital Electronics, Microprocessor, Digital Signal Processing, Power Electronics and Drives, Robotics and Machine Intelligence, Wireless Communication System, Electronic circuit and PCB Design. With an approach of 70% practical which at the end of the program helps a student to make a working project / model. Whereas traditional Mechanical, Electrical and Electronics and Computer Science Engineering are individual learnings and focus on more theory than practical which doesn’t makes a student project equipped or a domain where he can apply his learnings.

19. What are the opportunities after completion of B.Tech CSIT, Automobile & Mechatronics? Is there any placement guarantee? Who are those companies?

Placements depends upon the student academic records and his / her capability and knowledge, however we provide good placement opportunities to the students as we have industry tie ups with Impetus Infotech, John Dheere, Mahindra, JCB. Apart from this, we are in talks with companies like Canopus Info System Pvt. Ltd, Best Peers, Techracers, TCS, Impetus and other leading IT Companies for internships and placements.

20. We wish to meet the Officer at Training and Placement cell before submitting fee.

You can meet the Officer at the Campus after prior appointment.

21. What is the academic schedule of the University?

The University is working for 6 days and the class hours are from 9.30 am to 5.30pm. There will be session from industry expert on regular basis for making students in line with the industry requirements that might be arranged beyond this time as well.

22. Is there any student exchange program with foreign University?

The University has already collaborated with German Universities of Applied Sciences and Tennessee Tech University for curricula development, skill set transfers, faculty exchange, faculty training, student exchange, design and development of labs and workshops, infrastructure development and continuous training and development.

23. What is the bank loan facility and can University help for getting a loan?

The banker for Symbiosis is Union Bank of India. They have schemes of loan for education at Symbiosis Indore. Other banks also provide education loan for students of Symbiosis Indore.

24. Are Symbiosis Indore courses recognized by UGC/AICTE?

Symbiosis Indore is recognized by UGC. You can check it for yourself on the following link: https://www.ugc.ac.in/privateuniversitylist.aspx?id=20&Unitype=3

25. If I complete degree from Symbiosis Indore, will I Be eligible for getting job in public enterprises?

On completion of courses, you can seek job in public enterprises subject to yourself fulfilling the recruitment requirements of that public enterprise.

26. Do you have tie-up with the industry?

Yes. Symbiosis Indore has industry collaborations. In this unique model of Skill Development the University has also joined forces with top industry leaders such as MAN Trucks India, John Deere India, VE Commercial Vehicles Limited, Larsen and Tubro, Reliance Capital, HDFC Bank, Future Group and Mahindra and Mahindra, Impetus InfoTech to set up their bases at the University campus in order to provide skill training to students. For details visit the following link:

http://www.suas.ac.in/industry-tie-ups/
27. Do you have a placement cell and provide assistance for internship?

Yes, we have a dedicated training and placement cell with network and industry connect at National and International level to ensure that our students get crucial learning platforms in their internships. Additionally we also provide placement assistance to students and enable them to start their careers with flying colours. As Symbiosis is a brand name so major CS / IT, Automobile, Mechatronics Sector companies will come for placement and Student of Symbiosis Indore will be the first choice for recruiting students in a specific domain area i.e. CS / IT, Automobile, Mechatronics Companies will get domain specialized person at Symbiosis Indore, so the students of Symbiosis Indore will be preferred for recruitment.

28. Unique selling points of Symbiosis.

Student exchange programs/Collaborations with foreign Universities The University has already collaborated with over 12 German Universities of Applied Sciences and Tennessee Tech University for curricula development, skill set transfers, faculty exchange, faculty training, student exchange, design and development of labs and workshops, infrastructure development and continuous training and development.

Industry Tie ups:

In this unique model of Skill Development the University has also joined forces with top industry leaders such as MAN Trucks India, John Deere India, VE Commercial Vehicles Limited, Larsen and Turbo, Reliance Capital, HDFC Bank, Future Group and Mahindra and Mahindra to set up their bases at the University campus in order to provide skill training to students.

Skill-based Curriculum:

All the schools at Symbiosis Indore provide the student with an opportunity for ‘learning by doing’ through practical training at the industry parks, on campus, and internship semesters which will expose the students to the real world work environment. The incubation Centre’s and Centre’s of excellence help to test and explore innovations thereby elevating the entire education the next level.

The Schools offer a range of Certificate, Diploma and Degree programs in line with the industry requirement. The curriculum has been designed in consultation with the industry to ensure that the students are job ready and employable on completion of the course from the University.

Each course within the program is modular and credit based. Learning outcomes and skill competency levels expected from students have been clearly defined. The Program structure allows multi-entry & multi-exit facility to students. The policy for multi-entry & exit shall be as prescribed by the statutory bodies of the University. Vertical mobility will be provided from certificate to degree programs to ensure career progression from one job role to the next. The students will have the option to accumulate and transfer credits to relevant programs of the University over a period of time.

NSQF model:

Focusing on skill acquisition, the syllabus of MBA (BFSI) is based on the National Skill Qualification Framework (NSQF) model. The foundation of the syllabus is laid by industry experts themselves to let the student come out as finished product, ready as the needs of the industry. The curriculum focuses majorly on practical (70%) than theory (30%) enabling the students to achieve the desired skill set.

Beside these....

Industry Interactions through Seminars, Industry Visits, Guest Lectures, Panel Discussions and hands-on experience in BFSI domain.

Case studies, Analysis of business and domain reports, research assignments, and role plays for product and consumer related services

GST Center with Certificate courses.

GST Yuva – Certificate program for Students and Youth. Participants will be equipped to become GST Return Preparers.

GST Guru – Certificate program for teachers.
Participants will be equipped for GST Training and teaching.

GST Professional – Certificate program for industry partners.

Participants will be equipped with skills to become GST professional consultant.

**Life Skills Training**

The School of Interdisciplinary Sciences offers courses in Soft Skills and Life-Coping Skills, to make the students more confident and fit for the practical problems they face in work and life. Besides this the school also offers English language competency courses along with foreign language trainings. The Interdisciplinary Science also help student in their learning, training, grooming & development and their career journey

**29. Will I be guided to make my own Project / App?**

Undergraduate research project forms an integral part of the B.Tech degree that you are going to obtain from SUAS. We at SUAS believe there’s no better way to acquire skill than by doing engineering project. Our all faculty is deeply committed to undergraduate research and Project Based Learning (PBL) is very much part of the curriculum.

**30. Career opportunities in CS and IT Engineering?**

CS & IT not only a driving force behind innovation and technologies that are changing the world. It’s also one of the country’s hottest and most in-demand professional fields, with career opportunities in emerging domains like Artificial Intelligence; Machine Learning; AR, VR & MR; IoT; Big Data along with the established domains like Service Industry; Software Applications; Operating Systems and Networks; Computer design & Architecture; Cyber Security; etc.

**31. Internships and Industry visits in CS & IT Engineering?**

School of CS & IT thrives to enrich the learning experience of each student through practical exposure in terms Internships and industrial visit. We offer and arrange Internships and Industry visits for our students in order to get a proper insight into how the real working environment of a company is and the functionality at different levels.

**32. What if I want to develop my own App or a project on new technology which is not there in the syllabus, will I get help from faculties to prepare them?**

We at SUAS believe learning happens everywhere, not just in the classroom or with the textbook or any other such formal settings (syllabus). Alongside working on your own Project (App) you will also get the chance to work on the challenges coming straight from the industry with round the clock support from our esteemed faculty.