



**SHRI SHANKARACHARYA  
TECHNICAL CAMPUS (SSTC)**  
*AN AUTONOMOUS INSTITUTE*



# ANNUAL REPORT 2020-21

Juwani Bhilai, Chhattisgarh, 490020



0788-4088888



[WWW.SSTC.AC.IN](http://WWW.SSTC.AC.IN)



## Annual Report 2020-21

### Highlights

#### **Vision**

- To become a premier technical institution to produce value-based competent professional leaders for the global workplace in an environment of holistic development with outcome-oriented learning and research to meet societal needs.

#### **Mission**

- To make the students understand the concepts of Science, Engineering, Pharmaceutical Science, Management & Computer and their applications through class room teaching, laboratory practices and hands-on experience of various professional skills both on-campus and off-campus.
- To give an environment of self and life-long learning through exposure to innovative practices in design, research and development to attain professional growth and fulfillment.
- To inculcate discipline, determination and dedication with human values to serve the society in the most befitting manner through various co-curricular, extra-curricular activities and extension services.

#### **Core Values**

Learning  
Quality  
Commitment  
Team Spirit  
Dedication  
Optimism  
Continuous Improvement  
Respect  
Excellence  
Integrity  
Innovation



### **Long Term Goals**

- To strengthen industry-institute interaction and be industry solution providers.
- To have patents in the emerging areas.
- To be among top leading institutes in India and abroad and be recognized as the best institute in terms of research and innovation.
- To develop technology incubator center.

### **Short Term Goals**

- To achieve academic autonomy.
- To strengthen the research infrastructure and human resources.
- To develop an exclusive center of excellence in R&D and consultancy.
- To conduct continuing education programs and workshops/conferences for knowledge sharing with outside world.
- To enhance Inter-institutional linkages.
- To initiate admission for NRI and Foreign students.
- To stress on the ethical values among the students.
- To get accreditation of all courses/discipline by NBA, NAAC.



## **Board of Governors**

Sl. No	Name	Designation	Position
1	Shri I P Mishra	<b>Chairman</b> Shri Gangajali Education Society	Chairman
2	Smt. Jaya Mishra	<b>President</b> Shri Gangajali Education Society	President
3	Prof L S Nigam	<b>Vice Chancellor</b> Shri Shankaracharya Professional University	Member
4	Smt. Savita Mishra	<b>Executive Member</b> Shri Gangajali Education Society	Member
5	Dr Monisha Sharma	<b>Executive Member</b> Shri Gangajali Education Society	Member
6	Shri Vijay Kumar Gupta	Managing Director Beekay Engg Corporation, Bhilai	Member
7	Dr Praveen Kumar	Professor (Civil Engg) IIT, Rourkee	Member
8	Dr Anupam Shukla	Director IIT, Pune	Member
9	Dr G R Sahu	Additional Director Directorate of Technical Education	Member (Ex-officio)
10	Dr A K Jha	Principal & Professor Pharmaceutical Sciences, Bhilai	Member
11	Dr Shimpy Ralhan	Professor Electrical and Electronics Engineering	Member
12	Dr P B Deshmukh	Director Shri Shankaracharya Technical Campus	Member-Secretary



## **Academic Council**

S. No	Name	Designation
1	Dr P. B. Deshmukh	Director - Chairman
2	Prof. Jaya Mishra	Nominee by Governing Body
3	Dr Gangadhar Ramtekkar, NIT, Raipur	Nominee of the University
4	Dr R H Talvekar, GEC, Raipur	Nominee of the University
5	Dr Shekhar Verma, Ayush University	Nominee of the University
6	Dr R N Singh, Principal, Govt Science College, Durg	Nominee by Governing Body
7	Dr Sankalp Dwivedi, Dean SSIMS	Nominee by Governing Body
8	Dr Arun Arora, Director, BIT	Nominee by Governing Body
9	Dr Raksha Singh, Principal	Nominee by Governing Body
10	Dr A K Jha	Principal, Faculty of Pharmaceutical Sciences
11	Dr. M.M.Singh	HOD, Applied Mathematics
12	Dr. Smita Selot	HOD, Computer Applications
13	Dr. M.L.Verma	HOD, Applied Physics
14	Dr. Supriya Biswas	HOD, Applied Chemistry
15	Dr. Jeetendra Kumar Tiwari	HOD, Mechanical Engineering
16	Dr. Souren Sarkar	HOD, Faculty of Management Studies
17	Dr. Jaspal Bagga	HOD, Information Technology
18	Dr. Samta Gajbhiye	HOD, Computer Science & Engineering
19	Dr. Naveen Goel	HOD, Electrical & Electronics Engineering
20	Dr Prabhat Giri	HOD, Civil Engineering
21	Dr. Vinay Jain	HOD, Electronics & Telecommunication
22	Dr. Shruti Mishra	HOD, Electrical Engineering
23	Prof. Namrata Bhargava	HOD, Humanities
24	Dr Achal Mishra	HOD, Faculty of Pharmaceutical Sciences
25	Dr Chinmay Chandrakar	Faculty, Electronics & Telecommunication
26	Prof Alok Sharma	Faculty, Mechanical Engineering
27	Dr Siddharth Choubey	Faculty, Computer Science & Engineering
28	Dr Mahesh Singh	Faculty, Electrical and Electronics Engineering
29	Dr D S Raghuwanshi	Faculty, NSS (Invitee)
30	Dr M K Tiwari	Faculty, Civil Engineering (Invitee)
31	Dr Monica Shrivastava	Faculty / Corporate Relation Officer (Invitee)
32	Dr Achala Jain	Faculty / Coordinator E-Cell (Invitee)
33	Shri Ravindra Mishra	Faculty, Management Studies (Invitee)
34	Shri Devendra Sahu	Faculty, Pharmaceutical Sciences (Invitee)
34	Dr. Shimpy Ralhan	Member Secretary, Professor, Electrical & Electronics Engineering Department



## **Existing Courses**

- **B.Tech.**

1. Mechanical Engineering
2. Civil Engineering
3. Electrical Engineering
4. Electrical & Electronics Engineering
5. Electronics & Telecommunication
6. Information Technology
7. Computer Science Engineering
8. CSE (Artificial Intelligence and Machine Learning)
9. CSE (Data Sciences)
10. CSE (Internet of Things)
11. CSE (Big Data Analytics)
12. CSE (Artificial Intelligence)
13. CSE (Gaming Technology)
14. CSE (IOT and Cyber Security with Block Chain Technology)
15. Computer Science & Business Systems

- **M.Tech.**

1. Machine Design
2. Thermal Engineering
3. Power System Engineering
4. ETC
5. VLSI Design
6. Computer Science Engineering
7. Structural Engineering
8. Mechanical Engg (Prod)
9. Power Electronics & Power Systems Engg)
10. Transportation Engg
11. Artificial Intelligence and Machine Learning
12. Geotechnical Engg

- **B.Pharm.**

1. B-Pharm



- **MCA**

1. MCA

- **MBA**

1. MBA

- **M.Pharm.**

1. M.Pharm – Pharmaceutics
2. M.Pharm – Industrial Pharmacy
3. M.Pharm – Pharmacology
4. M.Pharm – Pharmaceutical Chemistry
5. M.Pharm–Pharmacognosy

- **Diploma.**

1. Diploma in Pharmacy

- **PhD.**

1. Mechanical Engineering
2. Electrical Engineering
3. Electrical & Electronics Engineering
4. Electronics & Telecommunication
5. Information Technology
6. Computer Science Engineering
7. Applied Physics
8. Applied Chemistry
9. Applied Mathematics
10. MCA
11. MBA
12. Pharmacy

- **Vocational Courses**

1. Refrigeration and Air Conditioning (Engineering and Technology) – D.VOC
2. Graphics and Multimedia (Management/IT/ITES) – B.VOC
3. Software Development (Management/IT/ITES) – B.VOC
4. Medical Imaging Technology (Pharmacy) – D.VOC



### **New Courses Introduced**

- **B.Tech.**
  1. CSE( Artificial Intelligence)
  2. CSE( Artificial Intelligence & Machine Learning)
  3. CSE (Data Science)
  4. CSE (IOT)
  5. CSE (Big Data Analytics)
- **M.Tech.**
  1. Geotechnical Engineering
  2. Artificial Intelligence & Machine Learning
- **M.Pharm.**
  1. Pharmaceutical Chemistry
  2. Pharmacology

### **Grant of Autonomous Status by UGC**

- AUTONOMOUS STATUS granted by UGC and subsequently by CSVTU for a period of 10 years.

### **NIRF Ranking**

- Institute was ranked in the rank band of 251-300 in engineering category in NIRF 2020.

### **Central Library**

- In central library 1450 e-Books and 18032 e-Journals were newly added.
- Library Holdings

#### **Books**

- Titles                      -        14803                      Volumes        -        71752

#### **Journals**

- National                      -        190                      International-        210  
- E-journals                      -        As per AICTE norms

- OPAC (On Line Public Access Catalogue) facility available in Central Library 24x7 for online access on the campus network & World Wide Web.
- TURNITIN (Plagiarism Checking Software) available in Central Library
- DELNET membership.



### **FDPs/Workshops attended**

- 429 FDPs/Workshops attended by faculty members during the academic year 2020-21.

### **FDPs/ SDPs/Workshops/Conference organized**

- 78 FDPs/SDPs were organized by the Institute for faculties and students.
- IEEE 2021 First International Conference on “Advances in Electrical, Computing, Communications & Sustainable Technologies” was organized on Feb. 19-20, 2021 at the Institute.
- NODAL CENTRE for both the digital and physical editions of the prestigious event Toyathon 2021 organized by Govt. of India, Ministry of Education’s Innovation Cell with support from AICTE, Ministry of Women & Child Development, Ministry of Commerce & Industry, Ministry of MSME, Ministry of Textile and Ministry of Information and Broadcasting from 22nd to 26th June 2021.

### **AICTE Funded Activities**

- Sanction of Grant under Scheme of Modernization and Removal of Obsolescence (MODROB) for Artificial Intelligence and Machine Learning Lab.
- 3 AICTE-ISTE funded STTPs on topic “Data Science, Analytics & Visualization Tools”
  - Phase 1 - Nov. 2 to 7, 2020
  - Phase 2 - Nov. 23 to 28, 2020
  - Phase 3 - Dec. 21 to 26, 2020
- 3 STTPs conducted on the topic "Multi-Objective Optimization Methods for Engineering and Scientific Applications" from
  - Phase 1 - 26th to 31st Oct. 2020,
  - Phase 2 - 7th to 12th Dec. 2020 and
  - Phase 3 - 29th to 3rd Feb. 2021



### **Institute Innovation Council (IIC)**

- **3.5 star rating by Ministry of Education, Govt. of India.**
- Conducted Hackathon (by CSE and IT Depts), Robothon (by Mechanical Dept.), Makethon (by EE and EEE Depts) and many self-driven & MIC-driven activities.
- 40 Number of Students as IIC Members
- 10 Number of Alumini as IIC Members
- 10 Number of Faculties attended the Foundation Level Innovation Ambassador Training.
- 15 Number of Faculties attended and Certified the Advanced Level Innovation Ambassador Training in the year 20-21: 15
- National innovation and Startup Policy (NISP)

### **Entrepreneurship Cell**

- 13 webinars organized on different topics (Design Thinking & its applications in different sectors like Automobile, Software, Digital Marketing, & in the life of students with case studies, Digital marketing Prototyping Designing, Drone Designing etc).
- Classes Conducted and competitions organized for first Year Students on Design Thinking.
- Experiences of established entrepreneurs shared with students, promoted local brands by advertisement and publicity in collaboration with MSME, Raipur organized motivational events and published house magazine 'ADHYAY' focusing on women empowerment.

### **Research & Publications**

- 31 scholars registered in Ph.D. programs in various research centres at the Institute.
- 101 research papers published by the faculty members in reputed Journals.
- 32 books/Book chapters published in Books/Reference Book/Edited Books by the faculties.
- 189 faculty members at the Institute have been contributing the reviewer/award/ certification of 189 research journals.



### **IPR**

- 15 patents filled /Software copyright received by the faculty of the Institute.

### **Sponsored Projects**

- 22 sponsored projects undertaken by faculty members.

### **NPTEL /MOOCs**

- 120+ Faculty & students Registrations

### **ALUMNI Contributions**

- 50+ Alumni Contributed to their Alma Mater by being resource presenting Webinars, as judges in Various Events.

### **Business Incubation**

#### **Startups Incubated under BI-SSTC (Recognized by MSME)(Ongoing Projects)**

- Robot Designed to Clean PV Panels
- Detergent manufacturing unit
- Hotel Booking App
- Industrial conveyor belt
- Topper Paradise

### **Training & Placement**

- No of Opportunities - 68
- No of New Companies -32
- No of Offers -619
- Number of Internships- 302
- Trainings - (GTT, SmartBridge,Face Academy)
- Internshala Ranking - 227 out of 2700+ Colleges
- 300+ students had Internship Offers

### **MOUs**

- Tata Consultancy Services Pvt Ltd
- Econstruct Design and Build Pvt LTD
- AI Educator (Metagogy Learning Systems)
- Anion Softech Pvt Ltd
- Great Learning



### **Achievement & Awards**

- Dr. D.S. Raghuwanshi, NSS Program Officer awarded with State Best Program Officer award for the year 2019-20.
- Mr. Jitesh Dewangan, NSS Student Volunteer participated in Republic Day Parade 2021 at Rajpath, New Delhi.
- Ms. Swati Dhote, NSS Student Volunteer awarded with State Best Volunteer Award for the year 2019-20.

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