



HINDI SEVA MANDAL'S (ESTD. 1950)
SHRI SANT GADGE BABA
COLLEGE OF ENGINEERING & TECHNOLOGY

PRINCIPAL'S ANNUAL REPORT 2018-2019

Academic Activities:

The 19th Academic Year 2018 – 2019 was started with one week 'Induction Program' for B.Tech. First Year students, that included making students familiar with college environment, also make them know what they are going to do in upcoming four year before they are finally graduated from this institute with tradition of excellence.

Academic Results:

Academic results of any institution are the reflection of efforts of all the administrators, faculties and it is the real hall mark of any good college. Our academic results are a testimony of the same.

I can proudly say that every year our college has achieved more than 75% overall result in University examinations. This year also our college achieved 80 % overall result in Nov/Dec-2018 examinations. Our students regularly appear in merit list of North Maharashtra University and I am also proud to report that till date SSGBCOET's technocrats have secured more than 20 gold medals in North Maharashtra University.

About Academic Year 2018-19:

The College as you all know has been striving to sustain academic excellence to the best of its ability and expectations of assessing bodies from NMU, DBATU and National Assessing bodies like ISO, NAAC and



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NBA with the cooperation of all the stakeholders. We have taken measures to build systems for continuous improvement of Curricular and Co-curricular ambience with sustainable quality. We are in a progressive development phase after ISO, we achieved NBA and then special academic committee from North Maharashtra University has awarded us "A" grade.

This year's greatest achievement on academic front is accreditation by NAAC. After two days of minute inspection of all the parameters of institute during 29 -30th January 2019, the NAAC peer team has declared B++ Grade to our institute with 2.87 CGPA. I am proud to announce that very few institute in country are between this prestigious range of B++ to A and our SSGBCOET is one among them.

The Institution has also received the ISO 9001:2015 Certification.

Now the foremost challenges before us are:

- 1) NBA reaccreditation
- 2) Maintaining academic standards as per standards of NAAC
- 3) To sustain as Premier Institute among college affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere and in India

Major Institutional Happenings and Activities:

Sports Activities:

Sports helps an individual much more than in the physical aspects alone. It builds character, teaches and develops strategic thinking, analytical



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thinking, leadership skills, goal setting and risk taking, just to name a few. SSGBians are doing very well in the area of sports under the guidance of our Prof. Y. M. Joshi we are continuing to make an impressive mark in various sports competitions at the District, Zonal, University and National levels.

This year Our student namely Mr. Chaudhari Rahul Dilip (T.E. Mechanical) and Mr. Sumit Ganesh Patil (B.E. Mechanical) won the all India inter university best physique competition at Calicut university, Calicut.

Mr. Nachiket Jadhav (S.E. Mechanical) participated in all India Inter university cricket competition held at V.N.S. Gujrat university surat. He represented Dr. Babasaheb Ambedkar Technological University, lonere team.

Women Empowerment Activities:

We are having a special women development cell at SSGBCOET. This cell arranges several activities for SSGBCOET girl students. Regular meeting are conducted by this group under chairmanship of Prof. Mrs. S. M. Shinde. The major role is to encourage involvement through academic, cultural and outreach activities such as talks, seminars, workshops and poster-making etc. and also review safety and security measures for girl students. The cell intends to bring girl students to the forefront of different activities in the college by offering various facilities and



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benefits to them. It provides a platform for the female students to explore their co-curricular abilities. Along with chairman of cell, the Women Development Cell committee members Prof.Ms. Priti Subramaniam, Prof. Mrs. N. A. Nemade, Prof. Mrs. V. Y. Wagh and Prof.Ms. L.B.Agrawal are actively engaged in arranging guest lecturers related to topics of health, Mediatation, Inter personal skills and self defense too.

This year as part of activities, Representatives of Rotary Club of Rail city gave a Lecture on female Foticide awareness. Demonstration about Taekwando was given by Ankita Patil, National Level player, meditation programme by Ms. Madhri Rane (Art of Living Trainer) Programme was also conducted. Programme related to awareness about legal rights of women was also conducted by women's empowerment cell.

Co-Curricular/Extra Curricular Activities:

Co-curricular Activities are defined as the activities that enable to supplement and complement the curricular or main syllabi activities. These are the very important part and parcel of educational institutions to develop the students' personality as well as to strengthen the classroom learning. At SSGB we take full efforts for overall development of budding engineers and arrange several activities throughout the year. Technological advancements in the field of technology have changed the global scenario. In order to enrich the technical knowledge of every



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individual and share it with others, we conduct the National Level Technical Symposium, paper presentation competition every year. Also we encourage and assist our students to prepare and present technical papers in various symposium, seminars and conferences in various other colleges. Future Technocrats, Techcellence and Techzealot are our technical events, which are very much popular among technical community members.

Techcellence:

A national Level technical paper presentation contest hosted by college under ISTE students chapter. This year's Techcellence had paper presentation, poster presentation and Project competition. This activity was also a successfullone in terms of organization and participation. Techcllence 2019 experienced a blooming response from engineering community.

Robotics Clubs & GEAR lab :

Robotics activity is initiated in SSGBCOET to train students who have the zeal to excel in building and programming miniature robots to take part in Local, National and International competitions. The Robotics Club is a community of SSGBians, who derive pleasure in creating robots that may even be potent to work without human intervention. Each member of this family is provided insight into mechanical, electronics and electrical, monetary and informatory aid besides the indispensable guidance of



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too. They are working on some projects like automated car parking system for a mall Experia, located in Mumbai, they are also working on automated bar tendering system to be implemented in Spain. Blanka also have initiated activities for registering startup. This team also have one more feather in their cap and it is of starting a import and export company namely Technobotics Pvt. Ltd. Few members from same team are seeking educational assignments under the banner of ETF technologies, Really a proud step towards professionalism. Apart from participation this team is now into robotics event management too. They have hosted all most all major events in combat robotics under Blanka's banner and few venues to mention are IIT Mumbai, VIT Vellore, IIT Kanpur and many more like Chameli Devi Group of Institutions, Indore. This year History was created as Team BlankaBotz from SSGBCOET Bhusawal by participating in more than 50 Events.

To add their glory they are already having some International Events invitation for participation like BattleBots and RoboGames for United States of America.

So in this way, Team Blanka Botz have continued their winning streak this year also. I want to congratulate all team members This Team earned cash prize of around TEN lakhs.

Gaj Cyborg



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Another team in SSGBCOET which is showing it's tremendous performance in the field of combat robotics is Gaj Cyborg. This group of Robo-enthusiasts have participated in more than 24 competitions. This team have won the prestigious tournament at IIT Mumbai TECHFEST 2018 namely ROBOWAR. Apart from this, "BOSE" a 120 lbs robot which is their own product have played in more than 13 finals in combat robotics competitions all over the India. Gaj Cyborg is known for having best driver, best defensive strategy and most aggressive driver nationally. Surely the talent of these team members will be notified internationally and they will bring up their performance at international venues too. Activities of Gaj Cyborg are started to gaining international notification and proof of this is appreciation by World famous TV show "BBC Robowar" judge Prof. Setu Vijaykumar towards design excellence gained by this team in preparing "BHAGAT" robo. I wish all the best for future activities of Gaj Cyborg.

GEAR LAB

After this a multidisciplinary Team of 25 students have participated in "6th Go-Kart Design Challenge" International Event on Car Racing Makers which is organized by S. D. Motors Pvt. Ltd.

The team GEAR LAB of Shri Sant Gadge Baba college of Engineering and Technology, Bhusawal participated in 6th Go Kart Design Challenge. It was a design challenge for engineering students in which the students



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design and manufacture a Go Kart without involvement of professional. The Competition was organized by Indian society of New Era Engineers at Buddh International Circuit, Greater Noida from February 22nd to 27th, 2019. The 6th Go Kart Design Challenge was for 125 CC, 150 CC and Electric Vehicle Kart. Our team enrolls in 150 cc event where total participant were 158 teams from all over India.

The team GEAR LAB comprises of 22 team member and three faculty advisors. The team and faculty advisor were present in Greater Noida from 21 February 2019. The event was started with the registration of the team on 22nd February 2019. On 23rd and 24th February 2019 static test was scheduled in Galgotia University Greater Noida, where team undergo with test of assembling and disassembling of Go Kart, Technical Specification, Business Plan and Cost Evaluation and Innovation report. The team GEAR LAB clears the entire test and entered in the Dynamic Test which was scheduled on 25th and 26th February 2019 on Buddh International Circuit, Greater Noida. The dynamic test was comprises with Acceleration and Brake test, Autocross and Skid Test. The team cleared entire tests properly and got eligible for the endurance test. The Endurance Test was held on 27th February 2019 at Buddh International Circuit, Greater Noida. For endurance test only 17 teams were eligible out of 158 team. Team GEAR LAB was the one in this



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17 team. In Endurance test our team secured first position by completing the 5 lap of 2.5 km.

The team members are Abhijeet Pardeshi, Sagar Chaudhari, Aaron Rodricks, Abdul Quereshi, Shubham kandalkar, Gaurav Patil, Shubham Joshi, Mehul Khadatkhar, Krishna Patil, Dip Shah, Nitesh Nandanwar, Deepak Sapkale, Aamir khan, Nikita Mistry, Gokulkrishna Nair, Nazeem Tadavi, Pradhumn sharma, Faizan Shaikh, Taher Bharmal, Vishnu Karemunge, Mayur Sonawane with faculty advisor Prof. Dr. R.B.Barjibhe, Prof. A.V.Patil, Prof. J.S.Chaudhari and Prof. I.D.Paul.

Technical Initiatives and by Department:

Internal Quality Assurance Cell (IQAC) is formed in the institute to assure, sustain and upgrade the overall quality in SSGBCOET campus. Formation of Incubation, Innovation and Entrepreneurship Cell (IIEC) is one another positive step towards academic excellence. IIEC have started functioning in coordination with IQAC towards skill development and idea implementation of students. We are expecting Maharashtra state governments Skill development centre soon in campus along with Pradhan Mantri Kaushlya Vikas Kendra which already have started functioning in collaboration with Pratt- Muller organization.

E&TC Department:

IIT Resource Learning Centre conducted upto more than 15 workshops and courses for students and faculty. Programme on library management



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software Spoken tutorials training programs on Oscad, KiCad and Scilab organized. Workshops on CCNA, Automation and Embedded systems are also organized. One workshop on Scilab for faculty is planned in the month of April 2019.

Computer Science & Engineering Department:

Spoken tutorials training programs conducted on C, C++, Java and Web Designing, NPTEL local chapter online massive open source courses conducted for students. Hands on Training Workshop on PC Assembly and Android Application Development in association with Computer Society of India, Conduction of National Level Programming Competition in association with SEED Infotech. This department also have organized technical symposia "FUTURE TECHNOCRATS". This technical event was a grand success and had around 1000 participants.

Mechanical Engineering Department:

This department conducted a one week FDP on "Product Design Engineering" which was sponsored by Dr. BabaSaheb Ambedkar Technological University, Lonere. It was a grand success in terms of participation. This department also conducted Hands on Training Workshop on "IC Engine" & "Scope of Pipe-ping Engineering", also staff



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and students are enrolled for Online Trainings Programs from various platforms.

Civil Engineering Department:

Consultancy Cell and Material Testing Laboratory available providing consultancy services to people, Architect and land developers in nearby region in terms of material testing and related. Field visits are organized to nearby site locations for training experience in field of constructional technology.

Electrical Department:

Spoken tutorial training program conducted on Scilab and also planning for consultancy services in associated to nearby thermal power plant of Maharashtra State.

In addition to that Tata Consultancy Services Exam Centre sharing resources with IIT's, IISc's and various Government Organizations and various Departments of State and Central government.

Library:

Our library is fully computerized and all its functions and operations are done through dedicated network of computer systems through the library software. It has up-to-date bibliographic database of books and journals. The library has 7642 titles and 45485 books. The largest collection in the region is carefully handled by our librarian Mr. P. S.



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Bhat. The library subscribes to 316 journals & magazines of national and international repute in the relevant subject areas. Besides this the library subscribes to 11 national newspapers. It has 534 bound volumes of journals and 650 CDs in its collection. The library held its orientation program on 12th August, which is also National Library day. Our Central library also celebrates 15th October as Reader's Inspiration Day on occasion of Late. Dr. A. P. J. Abdul Kalam's birth anniversary. The library has rich and active collection of text-books and reference books which is utilized heavily by the students. The library also carried out a memorandum of understanding with IIT, Bombay to utilize resources to keep its collection live and relevant. The library also provided book-bank facility to students belonging to SC/ST/OBC categories and other economically poor and meritorious students of the college. To complement class-room teaching with e-learning, the library has computing facility comprising of 40 PC with Internet access. The library has access to more than 43,000 peer reviewed journals, 44 databases and other educational materials. Through the NPTEL programme, the faculty and students also enjoy the facility of remote access to more than 400 lectures on different subjects from IITs. Besides this, library also downloads relevant subject material and other useful information available in public domain on to its local network for students' ready reference.



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Central library subscribed to DELNET. DELNET has been established with the prime objective of promoting resource sharing among the libraries through the development of a network of libraries. It aims to collect, store, and disseminate information besides offering computerized services to users, to coordinate efforts for suitable collection development and also to reduce unnecessary duplication wherever possible. Also the subscription to IEEE and Science Direct are also renewed.

National Digital Library registration is also one major initiative by our central library.

In an initiative to SMART and DIGITAL and learning made easy education the institute has registered for SWAYAM is a programme initiated by Government of India and designed to achieve the three cardinal principles of Education Policy viz., access, equity and quality. The objective of this effort is to take the best teaching learning resources to all, including the most disadvantaged. SWAYAM seeks to bridge the digital divide for students who have hitherto remained untouched by the digital revolution and have not been able to join the mainstream of the knowledge economy. Every Department are engaging courses under SWAYAM.

Placement & Training:



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Apart from preparing the students to qualify for purely academic demands, special efforts are being made continuously to enable them to face the challenges of the competitive world. It's a matter of great importance to us that the students who pass out from our portals should carry forward the values they have inherited, excel in whatever they do and be role models in the society.

SSGB's, T & P Cell takes care to groom our students according to the needs of the industry. Cell provides students lot of industrial exposure by frequent industrial visits. Besides, our undergraduate students undergo training in their summer vacations in reputed industries/institutions/organizations as part of their academic requirements. Prof. I.D.Paul Placement Officer heading the T & P Cell supported by coordinator from each department to carry out different activities. T and P cell also organized 10 workshops/Seminars on personality development and interview skills. Till date ten companies have visited our campus out of that major are IIHT, Dollar Advisory Finanacial Pvt. LTd. Teleperformance and most importantly I am proud to say that the giant MNC company namely INFOSYS have been to our campus and this shows the level of teaching learning process we have adopted at SSGBCOET. Till this month more than fifty students are placed and rest will also get opportunity in coming days.



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Guest Lectures:

To expand the horizon of knowledge of our students, we regularly arrange Guest Lectures in our college by eminent Industrialist, Entrepreneurs, Educationalist and Professors on Topics of relevance and also from our college alumni's.

We regularly host GADGEBABA VYAKHANMALA in our institute. This year Mr. Ramdas Mane CEO of Mane Group of Industries was Guest Speaker. He taught the lessons of Hard work and entrepreneurship to students of all branches. According to his teaching during the lecture, there are no short cuts to success. It was a grand activity in terms intellectual inputs from Mr. Mane. Apart from this all departments and T& P cell have organized several activities and lectures.

In-Plant training:

SSGBCOET is maintaining close liaison with surrounding industries.

Training and Placement Cell takes efforts to arrange in-plant training of students during their vacations.

Apart from this regular industrial visits were also arranged.

To enable placement as an ongoing process, the college initiated industry-institution interaction and collaboration with several firms to conduct company academic linkages.

Planning to start an Internship Initiative with DBATU and NMU Centralized Placement Cell that will be beneficial for students. Students



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of SSGBCOET regularly undergo industrial, in-plant training as well as internship.

Activities with association to AICTE signed MoUs:

AICTE is implementing various quality initiatives and in this endeavor has already signed Memorandum of Understanding (MoU) with organizations for the benefit of institutions, students, and faculty at large. Recently, AICTE has signed MoUs with some organizations with supportive to that college has registered with some of them to improve the standards of technical and to provide competent technical environment. Registration has been made on Youth4Work an online skill test portal and Scholarsmerit a platform to explore talent among students and also some programs for development and Improvement for faculty of institute.

The Faculty:

The success is also due to the combined effort of the teachers whose supreme art is to awaken joy in creative expression and knowledge. We are fortunate to have a cadre of good enough faculty members, well trained, well experienced, dedicated and capable of fulfilling the demands of the growing modern generation of students.

Many Staff members upgraded their qualification out of that remarkable achievement is by Dr. Shrikant Chaudhari who have joined Dr. R. B. Barjibhe , Dr. G. A. Kulkarni, Dr. P.P.Bhangale and Dr. M. Y. Tiwari in Ph.D.



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group this academic year. Many are on the verge of completing their Ph.D.

We have again published more than 100 papers this year. Apart from this the faculty members of the institution have actively participated in a number of faculty development programs, workshops and seminars, outside the institution during the entire year, to keep abreast of the latest technological developments.

Technical Associations:

The Technical Associations in all departments organized a number of Programmes to promote the technical and organizational skills of the students.

A number of invited talks and symposium were also organized by the Technical Associations. We are having six technical Associations namely TESA, EESA, MESA, CESA, COMPSA and FESA

Participation in YUVARANG:

Our Students participated in many Inter Collegiate Technical, Arts and Sports Competitions and won prizes. Our participation in YUVARANG was also appreciated. Total 19 students from institute participated in YUVARANG.

Our student Mr. Ashish Sharma of BE (Civill Engineering) won the consolation prize at zonal YUVARANG in singing competition.



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Some Social Initiatives:

“Tree Plantation” Programme organized in college campus, Blood Donation Camp in association with Indian Red Cross Society and Gowalkar Blood Bank, “Swach Bharat Campaign” in college campus to create awareness about cleanliness, “Beti Bacho Beti Padhao” movement mime drama, one act play by students in surrounding rural areas for support cause of women empowerment and Save Girl Child. And as part of literature feast the GadgeBaba Vyakhyanmala is organized, every year since 2012.

CONCLUSION

I express my indebtedness to all who in their own way have helped in raising the institution where it stands today.

I owe my gratitude to all the members of Hindi Sewa Mandal.


Dear students, my deep felt thanks to all of you. I am sure that our collective endeavor shall take our College to greater heights in serving the society in a meaningful and positive manner. My whole hearted thanks to all parents and alumni who have been in touch with us during the year and their valuable suggestions helped us to improve. I look forward to your continued support in our march towards autonomy. And thank you very much to our distinguished guests on the dais and off the dais for gracing this day with your presence.



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Let me also take this opportunity to acknowledge gratefully, the unstinted co-operation, constant inspiration and immense support extended all the HODs, faculty and staff members of SSGBCOET, well wishers and resource persons from industries, NGOs and neighboring reputed institutions as well as Press & Media representatives; in realizing our objectives.




Principal
Shri Sant Gadge Baba
College of Engg. & Tech.
Z.T.C. Bhusawal