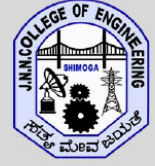




NATIONAL EDUCATION SOCIETY (R)
**JAWAHARLAL NEHRU NEW
COLLEGE OF ENGINEERING**
Shivamogga, Karnataka
(Approved by AICTE, New Delhi, Affiliated to VTU, Belagavi)



Annual Report 2019-20

Navule, Savalanga Road, SHIVAMOGGA

Ph: 08182-268800/1 Fax: 08182-222450

Email: principal@jnnce.ac.in

Website: www.jnnce.ac.in



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**JAWAHARLAL NEHRU NEW
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Our Vision

To be a pace setting institute in technical & management education and research in producing highly competent engineers, managers & entrepreneurs to meet the needs of industry and society.



Our Mission

- * Impart quality education through flexible and innovative learning process.
- * Enable and ignite young minds to excel in their career and life with entrepreneurial spirit, professional ethics and human values.
- * Facilitate invention based research and collaborate with industries to address societal needs.



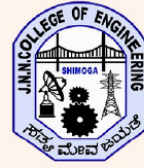
QUALITY POLICY

- * Providing state-of-the-art technology support and best possible educational infrastructure.
- * Development of faculty through supporting policies and procedures towards achieving higher qualifications, short-term courses, participation / presentations in seminars and conferences.
- * Encouragement to undertake research and consultancy, improving teaching - learning process by introducing innovative pedagogical and student interaction mechanism.

Annual Report 2019-20



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ANNUAL REPORT 2019-20

NATIONAL EDUCATION SOCIETY (R)



“Gateway of Educational Excellence”!



Annual Report 2019-20

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1. ABOUT NES

During the Freedom struggle, Mahatma Gandhi, the Father of our Nation stressed the need for quality rural education and development of women education and urged the leaders and youth to help in promoting it. Senior Freedom fighters and public of Shimoga were first to respond to the call of Mahatma. In 1946 they set up the National education society at Shimoga which is the important place of Malnad Area of Western Ghat Region in the Country which is endowed with rich and enchanting grace of Nature.

The Society, with the zeal dedication of senior leaders of the district like Mr. S.V.Krishna Murthy Rao, former deputy speaker of Loksabha, Mr.H.S.Rudrappa, Former Minister of Karnataka. Mr. P. Murudappa, Mr. R. K. Jayatheerthachar and Mr. S. Narasimha Murthy senior Advocates, Mr. S. R.Nagappa Shrestty, Ex-MLA and a great social worker and others strived hard to build the institution as founders to achieve the aspirations of Mahatma. The society started independently Managed High School in the district during 1946 and constructed its own building with public assistance. With a view to give thrust towards girl's education NES opened the first Girl's High School in the district in 1954 and gradually opened educational institutions in rural areas of the district to cater the needs of rural people.

Many illustrious leaders, statesman, personalities have visited the National education Society and have blessed by appreciating the dedicated service of the society. Among them are Honorable Dr. Rajendra Prasad, former President of India, Philosopher educationist Dr. S. Radha Krishnan, former president of India, Shri Lal Bahadur Shastry, Former Prime Minister of India, Sri Jayachamaraj wodeyar, former Maharaja of Mysore, Sri Vinoba Bhave a great leader of Sarvodaya movement, Acharya Tulsi, the leader of Anavarath Movement are few among them.

Despite number of problems during and after freedom struggle the enthusiasm and commitment of National Education Society never detered towards working for the cause of education. The society started number of professional Colleges in the district. Now it is running 40 educational institutions providing education to more than 15,000 students with 1000 staff force. Starting from giving importance to Primary, Secondary and Pre-University education by opening number of Schools and Junior Colleges, the National Education Society is offering courses with high quality education in Engineering, Law, Commerce, Pharmacy, Applied Science and Home Science through its well established colleges.

Thousands of Alumni of these institutions have made their name and fame earned by obtaining national and international recognitions in their respective fields. It is a matter of great satisfaction to the society in its efforts to do best for imparting good education to students. Good number of students is coming out from its institutions with flying colours obtaining distinction every year.

The Society is managed by an Executive Committee. The directors have taken the development of the Society as a life mission and are continuing the efforts to fulfil the aspirations of its founders. It

has provided all the necessary facilities with adequate infrastructure to students and staff to promote both curricular and co-curricular activities.

The National Education Society observed its Golden Jubilee during 1998, and dedicated a statue to Mr.S.R.Nagappa Shrestty, a man who devoted his life to the development of the society. Further, NES celebrates Diamond Jubilee year during 2022.

For more details, please visit: <http://nes-shimoga.org/about.html>

2. Executive Committee of NES

EXECUTIVE COMMITTEE OF NATIONAL EDUCATION SOCIETY (R)



Sri. A. S. Vishwanatha
President



Sri. T. R. Ashwathanarayana Setty
Vice President



Sri. S. N. Nagaraja
Secretary



Sri. D.R. Amarendra Kireeti
Joint-Secretary



Sri. C. R. Nagaraj
Treasurer



Sri. D. H. Srinivasa Murthy
Director



Sri. N. T. Narayana Rao
Director



Sri. G. S. Narayana Rao
Director



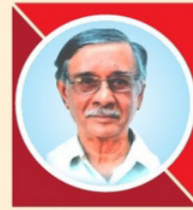
Smt. S. R. Susheelamma
Director



Sri. P. Mylarappa
Director



Dr. P. Narayan
Director



Sri. M. Shankara Rao
Director



Dr. H. V. Subramanya
Director



Smt. Rukmini Vedayyas
Director



Sri. H. C. Shivakumar
Director

Annual Report 2019-20

3. ABOUT JNNCE

Jawaharlal Nehru National College of Engineering (JNNCE), is one of the technical institutions of Karnataka, providing excellent technical education and training to students from all parts of India. Established by NES in 1980, JNNCE is approved by Government of Karnataka and AICTE; affiliated to Visvesvaraya Technological University, Belgaum and accredited by NAAC.

A preferred destination of students seeking technical education, the institution offers BE degree in 7 branches, 3 PG Courses, namely, M. Tech., MCA and MBA, besides M.Sc. (Engg.) and Ph.D. in nine disciplines. Spread over a sprawling campus of 39.4 acres, the institution is reputed for its high-caliber faculty, excellent infrastructure, academic environment and placement. Around 16000 graduates and post-graduates have so far passed out from this College and have been making significant contributions in academic institutions, industry R & D organisations and Government Departments in India and abroad.

JNNCE is also a University recognized research centre in Civil Engineering, Mechanical Engineering, Computer Science and Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering , MBA, Physics, Chemistry and Mathematics leading to the award of M.Sc. (Engg.) and Ph.D. So, for 35 candidates have been awarded Ph.D. from our research centres.

4. GOVERNING COUNCIL OF JNNCE

1	Sri. A S Vishwanatha President, NES, Shivamogga	CHAIRMAN	
2	Sri. T R Ashwathanarayana Setty Vice President, NES, Shivamogga	MEMBER	
3	Sri. S N Nagaraja Secretary, NES, Shivamogga	MEMBER	
4	Sri. D R Amarendra Kireeti Joint Secretary, NES, Shivamogga	MEMBER	
5	Sri. C R Nagaraj Treasurer, NES, Shivamogga	MEMBER	
6	Sri. M Shankar Rao Director, NES, Shivamogga	MEMBER	
7	Dr. H V Subramanya Director, NES, Shivamogga	MEMBER	Industrialist
8	Smt. Rukmini Vedavyasa Director, NES, Shivamogga	MEMBER	
9	Sri. Girimaji R Ravindra Life Member, NES	MEMBER	
10	Prof. T S Hoovaiah Gowda Registrar, NES, Shivamogga	Ex-Officio Member	
11	Dr. R V Praveen Gowda PRINCIPAL, Oxford College of Engg, Blore	MEMBER	UNIVERSITY NOMINEE
12	Regional Director, South-Western Regional AICTE Office	MEMBER	AICTE NOMINEE
13	Directorate of Technical Education, Bangalore	MEMBER	GOVT NOMINEE
14	Dr. Manjunatha P Prof, ECE. Dept, & Dean Academics J.N.N.C.E, Shivamogga	MEMBER	STAFF NOMINEE
15	Smt. Anuradha C K Asst. Prof. MBA Dept.,. J.N.N.C.E, Smg	MEMBER	
16	Principal, J.N.N.C.E, Shivamogga	MEMBER SECRETARY	

5. INSTITUTE PROFILE

JNNCE is a flagship Institute of the National Education Society (NES), established by freedom fighters and philanthropists like Sri. H. S. Rudrappa, Sri. S. V. Krishna Murthy Rao, Sri.S. R. Nagappa Setty and Sri. D. S. Dinakar and groomed by Sri Girimaji N Rajagopal, Sri D.R.Ratnakar among others.

All the founders of NES by their vision, hard work and contribution have brought JNNCE to the level it is today, which is being acknowledged and applauded by all. With the blessings of all, JNNCE is marching towards becoming one of the best institutions imparting education in engineering, management and computer application to needy students and creating citizens of tomorrow.

In this direction, over the last couple of years, many such developments and improvements have been achieved, with successful milestones. During July 2016, an initiative “Transformation for Excellence 2.0” for making JNNCE one of the top engineering, research, innovation and enterprising institutes was started. During this journey, the focus was on improving the quality of education, research & innovation, infrastructure development, employability of students & few more.

Jawaharlal Nehru New College of Engineering (JNNCE)[Formerly, Jawaharlal Nehru National College of Engineering (JNNCE)] was established in the year 1980 by National Education Society (NES). JNNCE is imparting education in Technology and Management since 40 years. JNNCE is running B.E (Civil, Mechanical, EEE, ECE,CSE, ISE, ETE & AI & ML), M.Tech (Transportation Engineering and Management, Computer Science), MCA and MBA programmes. JNNCE has been recognized by All India Council for Technical Education (AICTE) New Delhi, and Government of Karnataka, and is affiliated to Visveswaraya Technological University, Belgaum and accredited by NBA-New Delhi and NAAC. For more details about our college, please log on to our website: www.jnnce.ac.in

The lush green sprawling campus of about 39.4 acres caters to the needs of nearly 3500 students and 450 staff, with state-of-the-art technology back-up, well-equipped laboratories and workshops, library, hostels, playgrounds and other amenities. The dedicated faculty of the institute comprises of nearly 48 Ph.Ds as well as 136 with PG qualifications, amongst whom 56 are pursuing Ph.D.

JNNCE, firmly set on realizing its vision of becoming a pace-setting institute in technical and management education and research, has been successfully producing highly competent engineers, managers and entrepreneurs to meet the needs of industry, business and the society. In this direction, the just-now concluded 2019-20 academic year has been yet another fruitful year for the

institute, as manifested in the above accomplishments and new developments on all fronts, providing further impetus to its urge for excellence in the ensuing academic year 2020-21. NES Management, JNNCE Staff, Students, Alumni are constantly working towards achieving this goal.

Glimpses of Major Achievements of the Year 2019-20

❖ Ranking/Rating:

There is remarkable improvement in overall ranking in survey done leading magazines in 2020, as mentioned below:

1. Ranked 34th in “India Today” survey, 7th Rank in Karnataka
2. Ranked 31st among Top-100 Engineering Colleges of South India in Survey by “The Week” magazine
3. Ranked 48th in India among Top-100 Engineering Colleges of India in 2019 as per “The Outlook” & 7th position in Karnataka

❖ Academics:

Institution has so far secured over 100 ranks in university exams and during 2019-20 we bagged 4 ranks in VTU exam. We have introduced a mentoring process for potential rank holders as well other students to help them perform better in their examinations. We have started rewarding students who excel in their studies, cultural, sports and research & innovation, by awarding cash prizes, partial waiver of tuition fees and merit certificates. We organize Graduation Day which is unique where in all students become eligible for Graduation (Graduands).

❖ Research and Innovation:

The Objective is set to focus on research and innovation so that education quality will improve.

Our Faculty and students are pursuing research in emerging areas to solve the societal problems.

The faculty have presented and published more than 250 papers in national and international seminars, conferences and journals in the last five years. Funded Research projects worth more than Rs. 13.5 Lakhs have been carried out in the institute in this year. The institution has organized three International Conferences on different academic and intellectual themes successfully, attracting resource persons, speakers and delegates from academics and industry from all over India; also brought out Conference Proceedings containing valuable information and insights. To motivate innovation-based research among faculty and students, JNNCE Research and Innovation

Centre in JNNCE (JNNRIC) started in 2017-18 has been functioning. So far, 35 candidates obtained Ph.D. degrees from JNNCE under Research Centre of VTU.

To encourage research and publication, the institute had launched its own online bi-annual research journal, titled “JNNCE Journal of Engineering & Management” (JJEM) in October 2017; four issues, containing research papers from scholars, both from India and abroad, have been already released and the tenth issue is now under process.

The College has also continued to publish its bi-annual, in-house newsletter titled “JNNCE Beacon” to showcase the events and developments on the campus.

Many projects catering to the need of the society are being developed; few of them are:

- Bending performance of concrete by using sisal fibre, foundry sand and carbon fibre
- Study on properties of self-compacting concrete using GGBS as mineral admixture
- Study of effect of street parking facilities on traffic flow near Beary’s city centre Shimoga
- Smart Vaccine Alert System Using IOT and QR-Code Technologies

JNNCE has received funding from NewGen Innovation and Entrepreneurship Development Center (NewGen IEDC) under the aegis of NSTEDB, DST, Govt. of India at JNNCE with **grant of Rs. 2.87 Crore** over a period of 5 years. JNNCE is one of the Institutions obtained this grant among 250+ institutions that had submitted applications and only college in Karnataka, who got this grant. Objective of this grant is to create the platform for Innovation & Entrepreneurship and create companies with objective of generating revenue, creating jobs and wealth. During 2019-20, ten projects have been funded with 2.5 lakhs each.

JNNCE has received more than 13 Lakhs funding from funding agencies like Department of Science & Technology, Govt. of India, AICTE, Govt. of Karnataka.

We are also aggressively moving in establishing Industry-Institute collaboration to foster the practical knowledge among Faculty and students. In this direction, we have signed MOUs with many companies such as:

- National Highways Authority of India (NHAI)
- Lekha Wireless Solutions Private Ltd, Bangalore

❖ **Placement:**

In addition to education and research, we are focusing to provide skill-based training to increase their employability. To prepare students, we are providing soft skill training, exposed to emerging technologies by way of technical talks by Industry experts, hands-on workshops in emerging and niche technology areas like Artificial Intelligence, Machine Learning, IoT, Data Science, Satellite

Communication etc.. Also we have created the platform to pursue their projects in emerging technology fields and involve in research projects focusing social issues, agriculture, manufacturing, low-cost construction of building, healthcare, finance, etc.

More than 250 students from 2019-20 batch have got job offers during campus placement in companies like TCS, Evive Health, Crimson Logic, Global Edge, Colors Software, SOCIETE GENERALE, ETHNUS etc. Highest salary offered during 2019-20 is Rs.13.11 Lakhs per annum and average salary is Rs.3.5 lakhs per annum.

❖ **Students Chapters of Professional Bodies:**

Several professional bodies' Student Chapters are active in JNNCE, which help the students to become team players and develop leadership qualities. We have chapters of: Institution of Engineers (India), The Institution of Electronics and Telecommunication Engineers (IETE), Institute of Electrical and Electronics Engineers (IEEE) Students Branch, National Service Scheme (NSS), Computer Society of India, Society for Automotive, Indian Institute of Foundry men, SAE etc.

❖ **Quality Improvement in Education:**

Unlike the conventional method of teaching, JNNCE is practicing 'Outcome Based Education', where every subject taught has certain objectives to be fulfilled, which further fulfill the objectives of the department.

In this direction, apart from the regular teaching,

- Many workshops and faculty development programs are organized to gain practical exposure about the latest technologies currently used in industries.
- Students are encouraged to participate in state and national level technical competitions conducted by various organizations throughout India.
- Department level committees are constituted for (i) Academic Improvement (ii) Placement and Training (iii) R&D, Industry-Institute interaction.
- Professional trainers are invited to teach life skills to students not only for campus interviews but also to prepare them for future.
- Student feed-back is taken, which helps self-assessment.
- Open textbook tests are conducted to ensure that students study throughout the semester and not only during the exam time.

- Google Class rooms are being used, where the notes, ppts and lecture videos are uploaded, so that it would help students to do better.
- Encouraging students to use web resources offered by VTU and NPTEL by IIT's

❖ **Conferences, Workshops, Symposiums organized:**

On a regular basis, all the departments organize and participate in conferences and workshops as part of continuous learning program, in association with bodies like CSR, DRDO, NBHM, ISTE, IIT Bombay, IIT Khargpur, IETE etc. In last three years, JNNCE has organized about 55 technical events; the faculty has attended about 126 Faculty Development Programs / Seminars / Webinars and around 4 conferences and 50 resource persons have visited JNNCE as guest speakers, paving the way for knowledge enhancement.

❖ **Contribution to Society by Staff and Students:**

Our staff and students are also involved in various activities contributing to the society. Be it visiting rural areas, blood donation camps, awareness camps, reaching to school children, go green projects, helping the district administration or reaching out to the needy for assistance, they are everywhere! Few of them are: Participating in Pulse polio program, Cow donation and Youth parliament. Faculty from basic sciences departments are actively participating in CET coaching classes for PU students every year, Internet awareness program for housewives and senior citizens, Workshop on electronics, electrical and physics for high school students for over 400 students, staff as experts / committee members in district administration and Government departments, providing financial assistance to meritorious and economical backward students in the form of scholarships, organizing Blood Donation Camps in association with Rotary, Red Cross and Govt. Mc-Gann Hospital etc.

❖ **Library & Information System:**

The institute library, housed in an exclusive and spacious block, has a collection of 1,23,657 books relating to all branches of Engineering and Management, digital library, subscribes to 53 National & 9 International Journals with more than 2500 e-journals through VTU Consortium and DELNET. The Library has been computerized with e-Lib iNext Web based software. Also, institute is identified as NPTL local chapter.

❖ **Alumni:**

More than 15,000 students who have passed out of this institution have been making significant contributions in Industries, R&D organizations, Academic Institutions and Govt. Organizations in India and abroad and serving their alma-mater.

The institute has registered alumni association which is active and supportive that meets regularly during the month of May every year and involves itself in the development of the institution by undertaking various activities. The vast alumni community has been brought on board by registration of Alumni Association, launching a dedicated website, holding Global Alumni Meet, instituting Distinguished Alumni Awards, co-opting alumni in various administrative cells and panels, securing scholarships, internships, placements & sponsorships for our students, etc.

Year of Estd.:	1980		Name of Principal:	Dr. H R Mahadeva Swamy
			Built Area:	53097.59 sqm
No. of UG Programmes:	07		Land Area	143056.38 square meters (Excluding MBA – 4 Acres)
No. of PG Programmes:	04		Carpet Area:	45132.95 sqm

UG Programmes			PG Programmes		
Course	Year	Intake	Course	Year	Intake
Civil Engineering	1980	120	MBA	1996	120
Mechanical Engineering	1980	90	MCA	1995	45
Electrical & Electronics Engineering	1980	60	M.Tech. in Computer Science and Engineering	1999	25
Electronics and Communication Engineering	1980	120	M.Tech. in Transportation Engineering & Management	2010	18
Computer Science and Engineering	1991	120	M.Tech-NIE	2003	18
Information Science and Engineering	1999	120	M.Tech-Design	2003	18
Electronics & Telecommunication Engineering	2000	60	M.Tech-DECS	2011	24
			M.Tech-CIM	2012	18
			M.Tech-POWER	2014	18

Research Centre		Total Students						
Departments	Year		UG			PG		
		Year	Total	Boys	Girls	Total	Boys	Girls
Civil Engineering	2002							
Mechanical Engineering	2000	1 st year (2019-20)	621	327	294	219	83	136
Computer Science and Engineering	2003	2 nd year	737	410	327	214	88	126
Electronics and Communication Engineering	2006	3 rd year	799	429	370	51	17	34
Electrical and Electronics Engineering	2002	4 th year	768	423	345	-	-	-
MBA	2006	Total	2925	1589	1336	484	188	296
Chemistry	2012							
Physics	2016							
Mathematics	2017							

Faculty Cadre as on July 2020

Course	Professor	Associate Professor	Asst. Professor	Lecturer	Total
Principal	1	-	-	-	01
Civil Engineering	-	1	21	-	22
Mechanical Engineering	5	4	13	1	23
Electrical & Electronics Engineering	3	2	10	-	15
Electronics and Communication Engineering	2	1	18	-	21
Computer Science and Engineering	2	4	20	-	26
Information Science and Engineering	2	3	16	-	21
Electronics and Telecommunication Engineering	1	2	8	-	11
MBA	2	1	7	-	10
MCA	1	3	6	-	10
Physics	1	1	1+2*	-	5
Chemistry	1	-	3	-	4
Mathematics	-	2	6	-	8
Physical Education	-	-	1	-	1
Librarian	-	-	1	-	1
Placement Officer	-	-	1	-	1
Humanities	-	-	1+1*	-	2
Total	21	24	133+3*	1	182

*Guest Faculty

Faculty Qualification as on July 2021

Course	Ph.D.	Ph.D. pursuing	PG	Total
Principal	1	-	-	1
Civil Engineering	2	8	12	22
Mechanical Engineering	9	2	12	23
Electrical & Electronics Engineering	3	4	8	15
Electronics and Communication Engineering	3	14	4	21
Computer Science and Engineering	7	6	13	26
Information Science and Engineering	2	9	10	21
Electronics & Telecommunication Engineering	1	5	5	11
MBA	8	0	2	10
MCA	2	4	4	10
Physics	3	0	2	5
Chemistry	2	1	1	4
Mathematics	3	2	3	8
Physical Education	0	0	1	1
Librarian	0	0	1	1
Placement Officer	0	0	1	1
Humanities	0	0	2	2
Total	46	55	81	182

Staff details as on July 2021

Laboratory Staff

Designation	Number
Foreman	07
Instructor	38
Supporting Technical Staff	13
Supporting Non-Technical Staff	17

Principal's Office Staff

Designation	Number
HR Manager/ Superintendent	2
Project manager	1
FDA	7
SDA	7
Supporting Staff	45

Library Staff

Designation	Number
Asst. Librarian	2
Supporting Staff	9

Sports staff

Designation	Number
Sports Assistant	1
Supporting Staff	3

Hostel Staff

Designation	Number
Supervisor	5
Supporting Staff	47

Training & Placement Cell

Designation	Number
Placement Assistant	1
Supporting Staff	1

Transportation Staff

Designation	Number
FDA	1
Driver/Conductor	48

List of HODs as on July 2021

Name	Department
Dr. Karthika B S	Civil Engineering
Dr. E Basavaraj	Mechanical Engineering
Dr. A H Thejaswi	Electrical & Electronics Engineering
Dr. S V Sathyanarayana	Electronics and Communication Engineering
Dr. Poornima K M	Computer Science and Engineering
Dr. R Sanjeev Kunte	Information Science and Engineering
Dr. M B Ushadevi	Electronics & Telecommunication Engineering
Dr. C. Srikant	MBA
Dr. S Prabhudeva	MCA
Dr. B. N. Ananda Ram	Physics
Dr. M. H. Moinuddin Khan	Chemistry
Dr. Nirmal T	Mathematics
Mr. Chetan A. V.	Physical Education Director
Mr. Chandrakantha R. Bhat	Librarian
Mr. G. Suresh	Placement Officer

Library Details as on July 2022

1.	Carpet area	2049.48Sq.m
2.	Software	e-Lib iNext Web based
3.	No. of volumes	1,22,987
4.	No. of titles	15731
5.	National Journals	40
6.	International Journals	28
7.	Member of VTU Consortium (Online Journals)	2500+
8.	Member of DELNET	On line journals, E-Books and Inter library loan
9.	NPTL Services	On line course materials
10.	General Magazines	17
11.	Website	www.libinfo.jnnce.ac.in
12.	Institute's on line journal	JNNCE Journal of Engineering & Management (JJEM)

6. STRATEGY–TRANSFORMATION FOR EXCELLENCE 2.0

“Transformation for Excellence”

An initiative for making JNNCE as one of the top engineering, research, innovation and enterprising institutes!

- i. Enhancing the academic atmosphere by emphasizing excellence in teaching, research, innovation
- ii. Engage the stake holders to explore strengths & opportunities across the institute
- iii. Identifying the problems & developing solutions, automating routine works to optimize the resources
- iv. Increase the competence level of Faculty and staff
- v. Making the work environment as fun to work
- vi. Collaboration for joint research and exchange programs
- vii. Accreditation of all depts and outbound education system
- viii. Preparing and going for Autonomous status

1. Governance

- a. Identifying the problems & developing solutions, automating routine works to optimize the resources
- b. Fostering a more transparent, responsive, motivated and agile administrative machinery
- c. Ensuring meticulous planning, budgeting, costing, accounting, internal control and audit processes in all administrative operations
- d. Increased monitoring of revenues, expenditure, investments and human resources
- e. Launching of a more object-oriented HR Policies/Service Rules
- f. Systematic documentation, filing, and operations in Office Administration
- g. Better and more frequent communication with all stakeholders (management, employees, students, parents, etc)
- h. Enhancing visibility through more reaching-out, publicity & promotion, press & public relations, publications, extension & social & community participation

2. Education Quality

Following are planned to increase the teaching quality:

- Faculty Development workshops on various topics in all depts. In coming months
- Identifying and developing Road map for topics based on current & future need
- Mentoring by inside and outside academic experts, Mentoring by industry experts
- Develop innovative, research groups working on emerging topics, faculty interest, and research infrastructure to increase externally funded projects
- Attending & organizing Conferences, Summits, Trainings by Faculty
- Organizing Faculty development programs for others
- Taking up as reviewers and chairing sessions in Journal & Conferences
- Arranging in-house workshops & Motivational programs
- Making use of Free Online resources
- Inviting Industry experts during weekend for teaching (Alumni, industry persons with passion for teaching, parents who can help us)

Metrics for measuring Education Quality:

- **To increase the rank holders in VTU**
 - Handholding by right Faculty & mentoring those students
 - Connecting to experts, earlier rank holders in JNNCE or outside
- **To increase the no: of distinctions in VTU**
 - Identifying probable students based on past data in University exams
 - Handholding them by way of coaching, guiding them with all possible facilities by Dept Faculty

- **To help below average students to do well in VTU**
 - Helping them to identify problems & assisting them to cope up by Faculty mentors in depts
 - Motivating them so that they can score well

3. Infrastructure Development

- Developing and maintaining state-of-the-art infrastructure in the campus – for administration, teaching-learning, research, consultancy, campus-living, and welfare of all the constituents
- Developing transparent and responsible system for identifying and indenting departmental needs, for non-recurring & capital expenditure budgeting, purchase/acquisition, maintenance and disposal of capital assets
- Ensuring optimum utilization of classrooms, laboratories, workshops, equipments, vehicles, open spaces, play-grounds, parking space etc and checking wasteful expenditure, idle capacities, duplication, stock-filing etc
- Developing and maintaining proper landscaping, effluent-treatment, safety & security, vigilance & surveillance on the campus

4. Research & Innovation

Following is planned in the coming months:

- Identifying the areas of research based on strength of Faculty
- Create an environment for high-impact, cutting-edge research
- Identifying the current work to apply for patents
- Establishing the collaboration with DRDO, ISRO, Public Sector Companies, MNCs
- Applying for Contract Research work partnering with corporate
- Develop infrastructure to enhance research capacity
- Engage students on issues that shape our society

5. Funding, Grants & Sponsorship

To generate financial support for research, innovation and other, following are planned in coming months:

- Setting up the Technology Business Incubation Centre with support of funding from Govt of India, Govt of Karnataka, others
- Creating platform for setting up companies where in expertise of Faculty, students are made use of
- Invite companies to set up Technology Development Centres
- Setting up Engg. Teacher training cell to train Faculty across India
- Commercializing of research ideas, patents, technology transfer
- Providing Industrial Consultancy, Contract Research work
- Finishing school with optimal use current facilities (NSDC, Govt. support, PPP model)
- Industry Collaboration
- Following is the action plan for industry collaboration:
- Inviting industries for setting up competency centres in emerging technology areas
- To identify the various avenues through which we can interact with local firms, businesses and other intermediaries in relation to research and innovative activity.
- Contacting companies and getting consultancy, research work
- Having industry experts in college committees and advisory board
- Guest Lecture by experienced person from industry
- Organizing workshop/seminar periodically and invite the corporate people to deliver lecture and interact
- Industrial visit, Expos, Exhibitions for students, Faculty
- Panel Discussions, CEO Interactions

6. Placement

Following is the action plan for improving the placement:

- Establishing contacts with more companies for placement using networking like through parents, Alumni's and other means
- Establishing center for preparing students to face placement test and interviews involving industry professionals, Alumni's, professionals
- Attracting core companies for placement

7. Sports, Cultural Activities and Campus Living

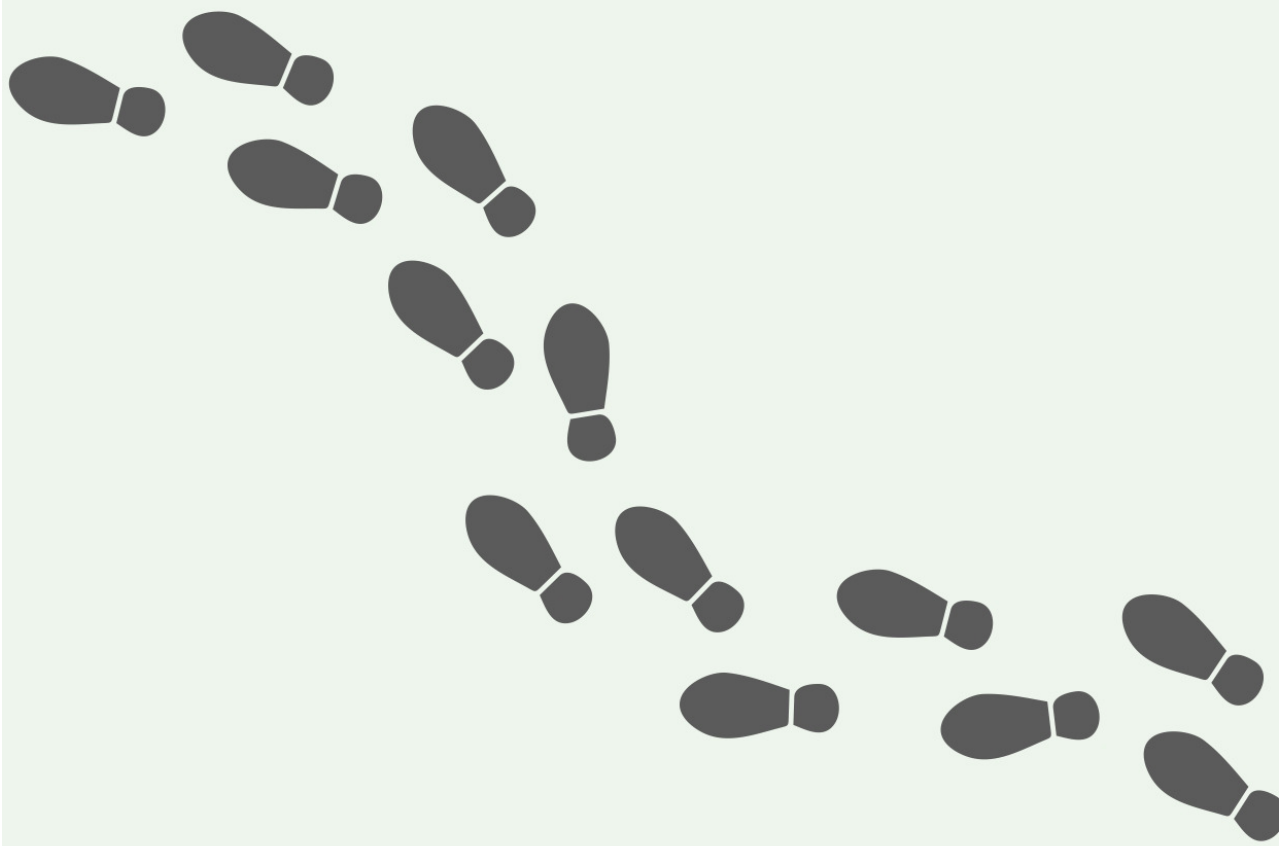
Following is the action plan in coming months:

- Encouraging students to participate in various sports event conducted by VTU, International level
- Instituting awards for those who win prizes at University, State, National and International level
- Improving the infrastructure for sports and games
- Organizing family meets, cultural functions and team building games
- Improving the hostel facilities, food quality

8. NES and Society

Following is the way to assist NES institutions:

- a. Assisting other NES Institution in areas of need to improve
- b. Enabling NES Institutions to make use of available facilities from Govt, Industries
- c. Assisting to arrange motivational, awareness programs to other NES Institutions
- d. Assisting to build centre for preparing competitive exams



*...footprints of a
glorious journey
2019-20*

7. GOVERNANCE

The institute is continuously striving towards the implementation of Transformation for Excellence

2.0. In this direction, the institute machinery is decentralized its working by following a hierarchical delegation of task management. Following are the details of the various committees .

1. JNNCE Governing Council
2. Council of Heads of the department
3. Internal Quality Assurance Cell – IQAC
4. Statutory Committees:
 - a. Academic Monitoring Committee
 - b. Anti-ragging Committee
 - c. Student Counseling Cell
 - d. SC/ST Cell
 - e. Universal Human Value Cell
5. Non Statutory Committee
 - a. Admission Committee
 - b. Examination Committee
 - c. Mentor Scheme Coordination Committee
 - d. NBA Core Committee
 - e. Placement & Training Committee
 - f. Research Committee
 - g. Industry Institute Interaction Committee
 - h. JJEM Editorial Committee
 - i. Purchase Committee
 - j. IT & Monitoring Committee
 - k. Delivery & Check Report Committee
 - l. CCTV Committee
 - m. Library Committee
 - n. Sports Committee.
 - o. Cultural Activity Committee
 - p. JNNCE News Letter Committee
 - q. Alumni Association

- r. Meritorious Award Committee
- s. AICTE /UGC/VTU/DTE Correspondence Committee
- t. NBA/NAAC/VTU visit coordination Committee
- **36th Meeting of Governing Council** of JNNCE was held on 17.3.2020 at 11.00 A.M in the Administrative Building and the agenda points along with the resolutions are published in the institution website
- **IQAC MEETINGS**

IQAC meeting is scheduled periodically, with the Principal presiding over the meetings and all the Members taking part. During 2019-20, following are the details of IQAC meetings organized:

Meeting No.	Date	Main Agenda points
24	26.2.2019	Action taken report:2018, Academic and Administrative Audit, Relook and follow up of Academic Process
25	2.5.2019	Establishing Industry attached Laboratories, Partial delivery of appropriate courses by industry experts, Participation and contributions in teaching and learning and /or research by visiting/adjunct/Emeritus faculty, AQAR submission, Skill Development Training to Administrative / Technical / Supporting Staff
26	2.7.2019	AAA – Plan of action, Involvement of stake holders in NBA process, Enriching contents of Institution Handbook: 2019-20, Restructuring IQAC
27	27.8.2019	Remedial Classes and mentoring for slow learners, Research Funding and its utilization, Resource optimization, NBA process – Next Steps, Relook on conduction of Preparatory Exam for first year , Process of Identifying and handling of Bright & Weak Students
28	5.11.2019	Quality Initiatives – Impact: NBA Assessment, Improvisation of Outcomes by existing MoUs with Industry/Academia, Participation and contribution in teaching and Learning and/or research by visiting/adjunct/ Emeritus Faculty
29	31.12.2019	AQAR Submission – Gaps found, Certificates/Diploma Courses/ Internships, Value added courses imparting transferrable and life skills, Collaborative activities for research, faculty exchange and student exchange

IQAC coordinator convenes and moderates the meeting.

- Meeting notice & agenda were circulated in advance and Minutes of the Meetings are drawn and circulated among all Members and HoDs for their information and compliance with the resolutions;
- Review of previous meetings and action taken, updates on activities and developments are shared in the meetings;

- Various Quality initiatives topics were placed and discussed.
- Recommendations were circulated to the concerned stake holders and published in the institution website for necessary actions and follow up.

▪ **HODs MEETINGS**

- More than 20 scheduled and unscheduled meetings of HODs are conducted during the period, with the Principal presiding over the meetings and all the HODs taking part;
- Meeting notice & agenda were circulated in advance and Minutes of the Meetings are drawn and circulated among all HODs for their information and compliance with the resolutions;
- Updates on activities and developments are shared in the meetings;
- Both general and specific subjects pertaining to academics, administration, research & project funding, NAAC & NBA Accreditation, programmes & events, publications, departmental budgets, Training & placement, hostel, Campus infrastructure development & maintenance, examination & results, student & staff welfare measures, annual day functions, VIP Visits, VTU & JNNCE Academic Calendar, Staff Vacation, Circulars from VTU, AICTE, DTE & other regulatory bodies, LIC Visits, NES Management directives & decisions, etc are discussed/communicated in these meetings.

❖ **STATUTORY COMMITTEE MEETINGS DETAILS**

Sl.No.	Committee	Meeting Date	Main Agenda Points
1.	Academic Monitoring Committee	22.8.2019, 5.10.2019, 8.11.2019, 4.2.2020, 25.5.2020	Calendar of events, Planning Department Academic audit
2.	Anti-ragging Committee	22.8.2019, 11.12.2020	Review of status, Formation of flying anti-ragging squad(Day time & Hostel visits flying night), Guidelines
5.	Student Counseling Cell	7.8.2019, 11.10.2019	Status review, Action taken report of the student counseling cases if any, future directions
6.	SC/ST Cell	16.8.2019	Status review, Action taken report of the student related issues, scholarships available, any other issues

8. EDUCATION QUALITY

❖ ADMISSION:

2019-20 Admission Details of 1st year B.E

Sl. No.	Branch	Intake	CET Admitted	SNQ	PMSSS	CQ Admitted	MQ Admitted	Total Admitted	Vacancy
1	Civil Engineering	126	70	06	02	05	11	94	32
2	Mechanical Engineering	126	62	06	-	06	07	81	45
3	Electronics & Communication Engineering	126	67	06	-	20	19	112	14
4	Telecommunication Engineering	63	29	03	-	00	04	36	27
5	Electrical & Electronics Engineering	63	31	03	-	04	16	54	09
6	Computer Science & Engineering	126	53	06	-	34	33	126	00
7	Information Science & Engineering	126	58	06	-	20	34	118	08
	Total	756	370	36	02	89	124	621	135

Note: PMSSS-over and above admission

2019-20 Admission Details of 1st year M.Tech, MBA & MCA

Sl No	Branch	Total Intake	GQ Intake	GQ Admitted	MQ Intake	MQ Admitted	Total GQ & MQ Admitted	Total Vacancy
1	M.Tech-CSE	25	20	07	05	05	12	13
2	M.Tech-NIE	24	19	00	05	00	00	24
3	M.Tech-Design	18	14	00	04	02	02	16
4	M.Tech-Trans	18	15	11	03	06	17	01
5	M.Tech-DECS	24	19	03	05	01	04	20
6	M.Tech-CIM	18	15	01	03	00	01	17
7	M.Tech-POWER	18	14	01	04	01	02	16
	TOTAL	145	116	23	29	15	38	107

PG Final Admission for the year 2019-20

Sl. No.	Branch	Total Intake	GQ Admitted	MQ Admitted	Total Admitted	Vacancy
1	MBA	120	58	62	120	00
2	MCA	60	10	19	29	31
3	MCA Lateral	06	02	30	32	04

- Inauguration of First Semester B.E. Programs (2019-20 Batch) 11.8.2019
- Institute Induction Program Cell (IIPC) organized **First year Induction Program** from was arranged on 12.8.2019-20.8.2019 (I Phase) and 10.2.2020 to 20.2.2020(II Phase).Some important sessions:
 - Scientific temper: Dr Narendra Naik
 - Human rights: Dr Ravindranath Shanbhog
 - Literature and Student : Prof. Kiran Desai
 - Self Confidence and Discipline : Dr ST Arvind
 - Climate Change : Dr L K Sreepathi
 - Youth & Social Responsibility : Dr Ravisha
 - Communication Skills : Dr. P S Subhadra
 - Societal Concerns : Dr. Ravisha N S
 - E Waste Management: Mr. Kumara Swamy
 - Health Tips : Dr. P Narayan
 - UHV Film shows
 - UHV: dr. V L S Kumar
 - Literary Activities
 - IPR
 - Alumni Interaction
 - Library Activity
 - Cultural and Sports Activity
 - Time Management
 - Entrepreneurship
 - NSS Awareness
 - Anti-Ragging Awareness
- **Inauguration & Orientation Program for PG Programs 2019-20batch (M.Tech., MCA and MBA)** was arranged on 30.8.2019. Around 175 PG newly admitted students attended the program. Dr. Venkateswaralu, Registrar, Kuvempu University was the Chief Guest. Executive Committee members of National Education Society were the Guests of honor.
- **Parents Meet:** All the departments organized parents meet on during June 2020. Many parents attended the meet and interacted with the teachers. The teachers informed about the performance of the wards. The following were the overall opinion given the parents:
 - Good Feedback about Teaching Learning Process
 - To arrange coaching classes for higher learning
 - Some issues in Transportation Facility
 - To arrange more placement training
 - To arrange training on Communication skills to rural students
 - To explore placement opportunities in core companies

Ranks Secured & Results

Details of University Ranks Secured during 2018-19 [Announced in 2019-20]

Rashmi S G	M.Tech Computer Science & Engg	I Rank
Chandana C Acharya	M.Tech. Transportation Engg. & Management	I Rank
Sandhya N V	M.Tech. Digital Electronics & Communication Systems	I Rank
Arpitha H R	M.Tech. Digital Electronics & Communication Systems	II Rank
Anusha P S	M.Tech Computer Science & Engg	VIII Rank
Ramya K R	MBA	IV Rank

Statement showing the statistics of Results pertaining to VII Sem Dec'2019/Jan'2020 Exam

Branch	Total Appeared	F.C.D.	F.C.	S.C.	Total Pass	% age
Civil	138	90	20	13	123	89.13
Mech.,	135	80	15	20	115	85.19
E & E	74	40	10	16	66	89.19
E & C	128	82	15	8	105	82.03
TC & E	51	43	8	0	51	100.00
CS & E	146	77	30	19	126	86.30
I S & E	95	81	8	1	90	94.74
Total	767	493	106	77	676	88

Statement showing the statistics of Results pertaining to VIII Sem AUG' 2020 Exam

Branch	Total Appeared	F.C.D.	F.C.	S.C.	Total Pass	% age
Civil	138	135	0	0	135	97.83
Mech.,	135	132	0	0	132	97.78
E & E	74	73	0	0	73	98.65
E & C	128	119	5	0	124	96.88
TC & E	51	49	0	0	49	96.08
CS & E	146	144	0	0	144	98.63
I S & E	95	94	1	0	95	100.00
Total	767	746	6	0	752	98

❖ EDUCATION

❖ Steps taken for quality improvement in Education:

- 1) In order to encourage academic excellence, scholarships at college level are offered to students by NES Management.
- 2) Mentor Scheme: For every 20 students a teacher will oversee the academic performance and send reports to parents regarding test / exam / attendance performance.
- 3) Additional books are provided to the class toppers at the library on recommendation from respective Department HOD.
- 4) Book bank scheme is successfully implemented in Library.
- 5) Academically weak students are identified and special tutorial classes are conducted. JNNCE has been identified as Remote centre of IIT, Bombay / IIT Khargpur for a conduction of Faculty Development Programme for Engineering College / Polytechnic Faculty
- 6) JNNCE has been identified as a Nodal centre for the project E-Yantra – A Robot based Project initiated by IIT, Bombay.
- 7) DST-SERB NewGen IEDC provides financial assistance for the innovative projects carried out by students upto 2.5 Lakhs
- 8) JNNCE Entrepreneurship Development Cell has been established to motivate students for self employment and Entrepreneurship Development.

- **Remedial Classes:** In order to help out the detained first year and second year students to clear the failed subjects, remedial classes were arranged.
- **Calendar of Events of Even Semester** was finalized by Academic Monitoring Committee and circulated to all departments.

❖ Short term Training programmes, Seminars & Workshops conducted during 2019-20 Faculty Development Programmes:

- Three days “Skill Development Training for the Staff of Hostel and Transport Staff” 24.07.2019 to 26.07.2019 was organized by MBA Dept.
- Two Days Workshop on “Conflict and Stress Management” on 23rd & 24th Aug.2019 was organized by MBA Dept.
- One Day VTU Consortium Training Program on “E- Sources for Academic Excellence” was organized by Library & Information Centre on 30th Aug. 2019
- Three days training program on “Business Analytics” was organized by Dept. of MBA during 23rd Sept. 2019 to 25th Sept. 2019
- An Interaction Program on “Successful NBA Accreditation” was organized for the faculty members of Basic Science, EEE, ISE & TCE Departments on 2.11.2019.
- Resource Person: Dr. Guruprasad, Dean Student Affairs & Professor, CSE Dept., BMSCE, Bangalore

- Workshop on “ART & SCIENCE OF WIKIPEDIA” – by MBA Dept. in association of Aswadana-the forum for Arts, Literature & Humanities during 16-17, Nov.2019
- One day software training on Synchro and Sidra on 23.11.2019 was organized by Civil Engg. Dept.
- VTU TEQIP 1.3 Sponsored Five Day Faculty Development Program on “Electrical Power Quality and Distributed Generation” was organized by EEE dept. during 16 – 20 December 2019
- Two day workshop was organized by Department of Management Studies on “Leadership Development for HODs & Professors” on 23.01.2020 & 24.01.2020
- Online Faculty Development program on “Professional Documentation using Latex Tool” was organized by Department of Electronics & Communication Engineering during 13-17, July 2020

❖ LEARNING & DEVELOPMENT

❖ Student Enrichment Programmes:

- The department of E & C organized Three day Workshop on “Electronic circuits and applications of Sensors” during 28.8.2019 to 30.8.2019
- The Department of E & C organized Two Days workshop on “Line Follower Design & Drafting” during 31.8.2019 to 1.9.2019
- The department of E & C organized Two Days workshop on “PCB Design & Drafting” on 17.8.2019 & 18.9.2019
- One Day Training Program on “Elastic Search Engine – Hands on Approach” was organized by CSE Dept. on 14th Sept. 2019.
- Student Development Program on “CNC Machining & 3D Printing – Hands on Approach” was organized by Dept. of Mechanical Engg., [Weekend Program] and was inaugurated on: 14th September 2019
- Invited talk on “Leap to the Career” was organized by Mechanical Engg. Dept. on 16th Sept. 2019
- Invited talk on “Engineering Profession and Beyond” was organized by Department of Computer Science & Engineering on 19.9.2019
- Two days SDP on “Advanced VLSI Design using Cadence EDA Tool”- a Hands on –approach” by ECE dept. during 21-09-2019 and 22-09-2019
- ISE Department started a “Students Technical Club” with a focus on Artificial Intelligence, Machine Learning & IoT areas and was inaugurated on 21.9.2019
- Invited Talk on “Reinforcement Learning & its Applications” was organized by TCE Dept., on 23 Sept. 2019
- Invited talk on “Neural Networks & Python Programming” was organized by Department of Computer Science & Engineering on 27.9.2019

- Invited talk on “Management & Entrepreneurship Development” was organized by TCE Dept., on 27th Sept. 2019
- Centre of Innovation & Entrepreneurship, JNNCE organized One day Workshop on “ Student Solar Ambassadors Workshop” driven by IIT Bombay under Gandhi Global Solar Yatra Initiative on 2nd Oct. 2019.
- Invited talk on “Mega Trends in Future” was organized by Department of Computer Science & Engineering on 3.10.2019
- PLASMA 2019: Two Days National Technical Symposium was organized by Dept. of E & C in association with IETE Shimoga Centre during 4th& 5th Oct. 2019
- Three Day training program on “Android – Hands on Approach” during 3 – 6, October 2019 was organized by MCA Dept.
- Training program on “Experience-sharing, GD, Mock Interview” was arranged by Placement Cell in association with JNNCE Alumni Association on 12th Oct. 2019.
- Department of Management Studies JNNCE, Shimoga had organized Guest Lecture on Recent Developments in Banking Industry in India on 18th October, 2019
- Technical Training program on “Java Programming” was arranged by MCA Dept. in association with Training & Placement Cell on 22-25, Oct. 2019.
- Invited talk on “Project Management” was organized by Department of Computer Science & Engineering on 2.11.2019
- Department of Management Studies JNNCE had organized Seminar on Capital Market – Organized by NSDL on 4th November 2019.
- Department of Management Studies JNNCE had organized Workshop on Big Data Analysis – Module- II on 07-09 November 2019
- Two days Student Development Program on “Advances in Technologies for IoT and Industry 4.0” was organized by Department of Electronics & Telecommunication Engineering in association with Sorgen Systems, Hyderabad during 9-10, November 2019
- Student Development Program on “Digital Marketing” was conducted by MBA Dept. during 16-17, Nov.2019
- Department of Management Studies JNNCE, Shimoga organized 3 Days Workshop on Digital Marketing from 15th to 17th November 2019.
- Department of Management Studies JNNCE, Shimoga has organized had Two Day Workshop on Art and Science of Wikipedia on 15-16 November 2019.
- Dept. of EEE organized training program on “Building Wiring & Industrial control” from 8.1.2020 to 17.1.2020
- Internship Program: Dept. of CSE in association with Ekatva Innovations Pvt. Ltd. offered Internship program for VI Sem students on “Python for Big Data Analytics and Visualization” from 13.1.2020 to 10.2.2020
- Induction Programme was organized for 1st Year BE Programmes from 10.2.2020 to 20.2.2020

- Two days' Workshop on "Solar Energy Systems" on 28th and 29th Feb 2020 was conducted by Dept. of EEE in association with the Placement & Training dept
- One day workshop on ".net" was organized by Department of MCA for B.Sc./BCA students on 02.03.2020.
- The Department of E & C conducted workshop on "Effective document writing using Latex Tool" from 4/03/2020 to 6/03/2020.
- The Department of E & C organized a training program on "HAM radio" on 6/3/2020
- The department of Mechanical Engineering in association with JNNCE Alumni Association organized a technical talk on "Applications and use of Artificial Intelligence in Mechanical Engineering" on 14.3.2020
- Webinar on "Virtual Labs" was organized by Department of Civil Engineering in association with NITK, Suratkal on 21.5.2020
- Webinar on "Skills to Become an Network Engineer" was organized by Department of MCA on 03.06.2020 in association with Na-Win Gurukula
- Department of Management Studies JNNCE, Shimoga has organised 'INQUIZITIVE- 2020'-A National Level Online Quiz for PG and UG Students on General Management and Business on 1-2, July 2020.
- Webinar on "Fundamentals of Web Application Security" was organized by Department Electronics & Telecommunication Engineering on 12-07-2020.
- Webinar on "Career Options and Opportunities" was organized by Department Electronics & Telecommunication Engineering on 14-07-2020.
- Webinar on "Tapping Entrepreneurship" by Satish Nandraj, Manger, Toyota groups was organized by Department of Computer Science & Engineering on 19.7.2020
- The Department of E & C organized Four days online SDP on "Advanced VLSI Design using cadence EDA Tool" on 18.7.2020, 19.7.2020, 25.7.2020 and 26.7.2020
- Webinar on "Power Performance Benchmarking on Intel Core Platforms" was organized by Department of Electronics & Telecommunication Engineering on 20.7.2020.
- Webinar on "Thermodynamics for day to day applications" was organized by Department of Mechanical Engineering on 22.7.2020
- Five days online SDP on programming on Python was organized by Department of Electronics & Telecommunication Engineering during 20-24, July,2020
- Webinar on "Fundamentals of Nano Materials and its Applications" was organized by Department of Civil Engineering on 25.7.2020
- Webinar on "Cyber Security" was organized by Department of Information Science & Engineering on 27.7.2020
- Three day student training program on "Basic Mechanical Aspects" was organized by Department of Mechanical Engineering during 27-31, July 2020
- Webinar on "Condition monitoring using vibration analysis" was organized by Department of Mechanical Engineering 31, July 2020

- One-week online workshop on “Deep learning Architecture for Image Processing Application” was organized by Department of Electronics & Telecommunication Engineering during 27-31, July,2020
- Webinar on “5G and Beyond” was organized by Department of Information Science & Engineering on 28.7.2020
- Virtual Project Exhibition & Competition was organized by Department of Electronics & Communication Engineering on 28.7.2020 & 29.7.2020
- The Department of E & C organized a webinar on “Data Structures uses C++” during 20.7.2020 to 1.8.2020.

9. INFRASTRUCTURE DEVELOPMENT

- The total expenditure during the year 2019-20 incurred towards construction of building, purchase of new equipments, furniture, fixtures and maintenance etc. is Rs.769.19 Lakhs as detailed below:

Item of expenditure	Amount (INR in Lakhs)
Building	98.25
Computer / Peripherals	125.75
Furniture	35.95
Lab Equipments	19.25
Library Books	15.42
Road	45.49
Solar Rooftop	153.37
UPS & Batteries	3.76
Sports Materials	0.84
Boarewell/CCTV/others	37.87
Maintenance	229.23
Total	769.19

- **IT Infrastructure:**
 - 89 computers were added and as on this year the institution has 910 computers
 - Campus wide networking facility available with broad band internet facility.
 - The total amount spent for IT infrastructure and other peripherals is Rs.145 Lakhs
- Some of the Labs are shifted to Library Building. As a result of this, **additional class rooms** were made available in SJB & STEP Block.
- **Library Details for the year 2020-21**

SI No	Branch	No.of Titles	No. of Copies	Amount
1	Computer Science Engineering	16	625	6,53,670.00
2	Information Science Engineering	8	110	83,940.00
3	Physics	1	4	2,640.00
4	B. E. Telecommunication Engineering	5	75	40,025.00
5	Electronic & Communication Engineering	14	400	2,55,760.00
6	Master of Computer Application	5	59	35,611.00
7	B. E. Civil Engineering	17	192	1,16,613.00
8	B. E. Electrical and Electronics Engineering	30	408	2,27,977.00
9	Civil Engineering	2	23	13,130.00
10	Human Resource Management	4	20	16,355.00
11	B. E. Mechanical Engineering	62	540	2,67,070.00

12	Chemistry	1	25	5,625.00
13	English Language	3	14	7,600.00
14	General	21	105	32,763.00
15	M.Tech Computer Science Engineering	1	2	2,058.00
16	Mathematics	11	967	3,76,950.00
	Total	201	3569	18,37,787.00

Journals & Periodicals

Sl no	Journals	No. Of Journals	Amount
1	National Journals	40	65,550.00
2	International Journals	28	71,718.00
	Total	68	1,37,268.00

General Periodicals: 17

10. RESEARCH, INNOVATION, CONSULTANCY & ENTREPRENEURSHIP

Programs organized at the Institution level

- Canara Bank sponsored Karnataka Tech Entrepreneur Summit: KTES 2020 was organized in association with Centre for Innovation & Entrepreneurship (CIE) during 13- 15, Feb. 2020 and was inaugurated on 13th Feb 2020 by Dr.C.N.Ashwatha Narayan, Deputy Chief Minister, Govt. of Karnataka.
- JNNCE Alumni Meet was organized at Nellore on 29.2.2020 and was inaugurated by Sri K Govardhan Reddy, MLA, Sarvepally Constituency, AP.
- NES Sports Meet 2020 was organized by Department of Physical Education on 23rd Feb 2020 for the employees of the institutions of National Education Society.
- Farewell program of Outgoing Batch – 2020 was organized virtually on 8.9.2020 and Sri. K. Jairaj, IAS, Former Additional Secretary, Govt. of Karnataka delivered the Farewell Day address.

National and International Conferences

- Two day National conference on “Recent Trends in Applied Sciences and Computing Engineering” (NCRASCE-2019) in association with ISTE, New Delhi during 26-27, July 2019
- Two day International Conference on Banking, Financial Services & Insurance was organized by Department of Management Studies on 17.01.2020 & 18.01.2020.

JNNCE Journal of Engineering & Management: JJEM –

- 7th issue (Jan – June 2020) - comprises of 5 research papers including papers from outside state and country
- 6th issue (July – Dec.2019) - comprises of 10 research papers including papers from outside state and country

Center for Innovation & Entrepreneurship, JNNCE:

- DREAMZ – Personality Development Student Interaction Programme – by CIE in association with Canara Bank on 30.11.2019
- Two Week Entrepreneurship Awareness Program – by CIE in association with MSME Government of India – 16 – 28, Dec. 2019

Consultancy Details

Department	Revenue (in Rs. Lakhs) generated
	2019-20
Civil Engg.	9.19
Mechanical Engg.	3.46
Electrical & Electronics Engg.	0.047

▪ **Research Centre Details**

Sl. No.	Programme	Year	No. of Guides	No. of Scholars Pursuing PhD/MSc	No. of Scholars Completed Phd/MSc
1	Civil Engineering	2002	03	14	13/01
2	Mechanical Engineering	2000	06	18	06/01
3	Electrical and Electronics Engg.,	2002	03	04/01	04/01
4	Electronics and Communication Engineering	2006	03	20	02/01
5	Computer Science and Engg.,	2003	07	24	10/02
6	MBA	2006	05	08	--
7	Chemistry	2012	02	07	--
8	Physics	2016	02	09	--
9	Mathematics	2017	03	02	---
	Total		34	106/01	35/06

11. FUNDING, GRANTS & SPONSORSHIP

❖ PROJECT FUNDING

Title of the Project	Principal Investigator	Amount	Funding Agency
Bio-fuel Research Information and Demonstration Center, Funded by Bioenergy Development Board, Govt. of Karnataka, Bangalore	Dr Suresh H B	3.00	KSCST
Smart Vaccine Alert System using IoT and QRCode technologies	Dr. Chetan K R	2.50	New Gen IEDC
Applications of differential Geometry and Riemannian Geometry in the field of Engineering	Dr.Gurupadavva Ingalahalli	5.00	VGST
Design & Fabrication of Bioreactor for bio ethanol production using samanea samman (rain tree fruits)	Mr.Chethan S G	2.00	NewGen IEDC
Computerized segmentation of pulmonary nodules depicted in CT examinations using freehand sketches	Mr.Shetty Pramod Kumar	1.00	VTU

12. INDUSTRY COLLABORATION

❖ MoUs:

1. National Highways Authority of India (NHA)
2. Lekha Wireless Solutions Private Ltd, Bangalore

These MoUs would offers internships, technical assistance for projects and eventually employment to our students.

13. PLACEMENT

SL No	Companies Name	TOTAL SELECTED	MCA	CSE	ISE	EC E	EE E	ME CH	TC E	CIV IL	SALARY PER ANNUM
	Eligible students	348	14	84	49	72	19	41	20	49	
1.	TCS (Ninja Hiring)	63	02	23	12	20		03	01	02	3,34,000
2.	SLK SOFTWARE	10		04	03	01		01	01		3,20,000
3.	CRIMSON LOGIC	05		04		01					4,00,000
4.	Advanced Business & Healthcare Solution	02		02							3,75,000
5.	MPHASIS	02		01	01						3,25,000
6.	TATA ELXSI	16		02	02	09	01		02		4,00,000
7.	NANOSOURCE TECH	04			01	02			01		2,24,000
8.	GBOXZ TECH										4,00,000
9.	ROBOSOFT TECH	02			02						3,25,000
10.	TAYANA SOFTWARE										3,00,000
11.	AMPHISOFT										2,24,000
12.	WIPRO	10		03	05	02					3,50,000
13.	CADENCE										6,60,000
14.	TEK SYSTEM	01			01						6,00,000
15.	ACUVATE SOFTWARE										2,50,000
16.	SLIVERPEAK GLOBAL	34		07	01	15		06	05		3,00,000
17.	COGNIZANT	02			01	01					3,38,000
18.	ABC for Tech	04		02	01	01					2,40,000

19.	ELEATION	01						01			2,24,000
20.	TAJ HOTEL	01					01				2,16,000
21.	INFOSYS	25		11	08	03	01	02			3,60,000
22.	ACCESS6 TECH	05		01	03		01				2,24,000
23.	CRANES SOFTWARE	04		01	01	02					2,80,000
24.	HIRE MEE										2,40,000
25.	LOWE'S INDIA	03		01	02						5,00,000
26.	VIRTUSA										3,30,000
27.	Attra Infotech	01				01					4,50,000
28.	QUINNOX										3,30,000
29.	NTT DATA	02				02					3,50,000
30.	BOSCH	02				01		01			2,40,000
31.	COGNIZANT (2 ND DRIVE)	02		01	01						3,38,000
32.	QSPIDERS	19	03	01	04	03	02	03	03		2,40,000
33.	ZOHO										6,00,000
34.	ROOMVILLE TECH	01		01							8,00,000
35.	HERAIZEN TECH	03			02				01		2,25,000
36.	ETHNUS	07		01	02		02	02			2,26,000
37.	TECH FORTUNE	02		01	01						2,20,000
38.	CAD VISION	01						01			2,20,000
39.	RiiiT	01		01							2,20,000
40.	LEKHA WIRELESS	01		01							4,00,000
41.	Zen Building Solution	02								02	2,25,000
42.	Flowserve India	02						02			4,76,480

	Controls										
43.	TCS OFF-CAMPUS	05			01	01	01	02			3,34,000
44.	MAVENTIC										2,40,000
45.	Starmark Software	01			01						4,01,000
46.	HITACHI										6,50,000
47.	Tech Mahindra										3,25,000
48.	SYNFINITY	02			02						2,81,000
49.	National Instruments	01				01					13,11,035
50.	CSS Corp										3,16,000
51.	CREDIT SUISSE										10,81,000
52.	SAKHA GLOBAL										3,00,000
53.	Campus Management	02		01		01					3,94,000
		251	05	70	58	67	09	24	14	04	

14. SPORTS, CULTURAL ACTIVITIES & CAMPUS LIVING

❖ SPORTS

Achievements in sports: 2019-20

A. Team Achievements

Sl No	Month & Year	Event / Games	Held at	Place secured
1.	March 2019	VTU Central Karnataka zone Cricket Men tournament	JNNCE, Shivamogga	Winner
2.	March 2019	VTU Rest of Bangalore zone Volleyball Women tournament	NMAMIT, Nitte	3 rd Place
3.	March 2019	VTU Inter zone Volleyball Women tournament	NMAMIT, Nitte	4 th Place
4.	March 2019	VTU Central Karnataka zone Football Men tournament	SIT, Tumkur	Winner
5.	April 2019	VTU Central Karnataka zone Handball Men tournament	JNNCE, Shivamogga	Winner
6.	August 2019	VTU Central Karnataka zone Badminton Men tournament	SJMIT, Chitradurgha	Winner
7.	August 2019	VTU Central Karnataka zone Badminton Women tournament	SJMIT, Chitradurgha	Winner
8.	August 2019	VTU Inter zone Badminton Men tournament	SJMIT, Chitradurgha	3 rd Place
9.	August 2019	VTU Inter zone Badminton Men tournament	SJMIT, Chitradurgha	Runner
10.	September 2019	District Dasara Volleyball Women team	Shivamogga	Winner
11.	November 2019	VTU Central Karnataka zone Table tennis Men tournament	SIT, Tumkur	Runner
12.	November 2019	VTU Central Karnataka zone Table tennis Women tournament	SIT, Tumkur	3 rd Place

B. Individual achievements

Sl No	Name of the student	Event / Games	Held at	Place secured
1.	Adithya S A 3 rd sem MECH	VTU Single zone Taekwondo competition	GAT, Bengaluru	58 Kg 1 Gold
2.	Chandana J Dotrada 5 th sem CS	VTU Single zone Taekwondo competition	GAT, Bengaluru	57 Kg 1 Bronze
3.	Sinchana K O 3 rd sem CS	VTU Single zone Taekwondo competition	GAT, Bengaluru	53 Kg 1 Bronze
4.	Impana B 1 st sem TC	VTU Single zone Taekwondo competition	GAT, Bengaluru	49 Kg 1 Bronze

5.	Soundarya M K 7 th sem MECH	VTU Single zone Power Lifting Women competition	NMAMIT Nitte, Mangalore	72 Kg 1 Gold
6.	Pranitha A Shetty 3 rd sem CV	VTU Single zone Power Lifting Women competition	NMAMIT Nitte, Mangalore	84 Kg 1 Silver

C. Inter University achievements:

SI No	Name of the student	Event / Games	Held at
1	Soundarya M K 7 th sem MECH	All Indian Inter University Power lifting Women Championship 2019-20	University Mumbai, Mumbai from 22 nd to 25 th January 2020
2	Mohammed Ibrahim 1 st sem MTECH	All Indian Inter University Kick Boxing Men Championship 2019-20	Veer Bahadur Singe Purvanchal University, Jaunpur (U.P) from 14 th to 18 th February 2020 and Secured Bronze Medal
3	Hitesh 4 th sem MECH	All Indian Inter University Kick Boxing Men Championship 2019-20	Veer Bahadur Singe Purvanchal University, Jaunpur (U.P) from 14 th to 18 th February 2020 and Secured Bronze Medal .
4	Aditya S A 3 rd sem MECH	All Indian Inter University Taekwondo Men Championship 2019-20	Panjabi University, Patiala (Panjab) from 14 th to 17 th March 2020.

1. Achievements in Cultural Competitions

- (i) JNNCE Cultural Team -EKYAM of 42Students represented 20th VTU Fest-2019 held at "INSIGNIA" hosted by SDMCET, Dharwad from 6th to 9th November 2019. JNNCE Cultural Team stood in 4th Place out of 96 colleges participated with Team Point 15.

Events	Prize Secured
Folk/ Tribal Dance	I
Mime [Theatre Event]	I
Poster Making [Fine-art Event]	III

- (ii) 15 Students of **EKYAM** participated in state level Theatre Competition "Abhinayosthava 2020" hosted by Abinaya Sagara, Sagara from 30th Jan to 1st Feb 2020. 11teams participated in this competition and secured 5th place in this competition
- (iii) JNNCE-Team-EKYAM participated in Yuvajanosthsava-2019 held at Naukarara Sabhabavana, Indoor Stadium Shivamogga on 5th Dec 2019

Events	Name of the student	Prize Secured
Classical Instrumental - Guitar	Gagan, Civil Engg	I
Classical Vocal – Solo	Navneet, CSE Dept	I
Classical Instrumental Mrudhanga	Rahul, 5th Semester TCE	II

15. NES AND SOCIETY

Institution Social Responsibility – ISR Activities & Outreach Programs

1. The World Bio Fuel Day was organized on 15.8.2019 by Chirantana Green Technology Center-JNNCE and BRIDC.
2. The World Environmental Day was organized on 5.6.2020 by Chirantana Green Technology Center-JNNCE and BRIDC.
3. Sowing of Karaveera-seeds along the divider of Sowlanga road was organized by JNNCE-NSS Team on 12.10.2019
4. JNNCE Campus Clean activity and Geo-stamping of trees of JNNCE campus was held by JNNCE-NSS Team on
5. NSS Camp was organized at Navile Basavapura, Shivamogga from 11.2.2020 to 18.2.2020
6. Department of Management Studies JNNCE, Shimoga has organized A One Day State Level Management and Cultural Fest “Utthana-2020” on March 7, 2020. More than 250 students of from Seventeen different UG students of Karnataka have participated in sixteen unique creative competitions. Competitions were held in 16 different areas
7. DST-INSPIRE Internship camp was organized for PUC Science students during 23rd – 27th December 2019
8. One Day workshop on “Basics of Electronics & Semiconductor Devices” for 2nd PU students of kasturba PU college on 2.11.2019
9. One Day workshop on “Basics of Semiconductor & Electronics" for II PU students of Akshara PU college on 21.9.2019
10. District Bio-Fuel Research, Information & Demo Center, JNNCE: Many Awareness Programs, Workshops, Exhibitions & Lectures were being conducted regularly to Farmers, Entrepreneurs, Research Students, End Users and General Public.
11. Chirantana Green Technology Center-JNNCE: 35+ Awareness Programs and Demonstrations and Five training programs on Benefits of Renewable Energy Sources, Bio-fuel production and Value addition, Global Warming, Eco Friendly Building etc were organized.



Address by Dr. H. K. Kaul, Director, DELNET



Inauguration of Ph.D Holders Felicitation Programme



TECHZONE – 2018 Inaugural address by Sri. B.N. Manjunath



Sri. K. S. Sundar, Associate Vice President, Infosys at Global Alumni Meet, JNNCE



MPCIT-2018 inauguration



Inauguration of National Seminar on Current Trends in Nanotechnology



INSPIRE-2018 inauguration



IEEE Students forum Activity : IOT Workshop participants



Mock Fire Brigade Practice – Civil Engg. Dept



Bio-fuel & Waste management Awareness Programme



Inauguration of Research methodology Workshop



Workshop for High school Students



Inauguration of NCCSSC 2017 – MCA Dept



Inauguration of MCA Orientation Program -2017



National level Workshop on Current Scenario in Bio-fuel Conversion and Waste Management



Inauguration of Uthana - 2018



Visit to Esuru Village - Quit India Movement



Blood Donation Camp Inauguration - MBA Dept.



Rural Exposure Programme - NINASAM Visit by MBA Students

Project Exhibition by B.E. Final Year Students



Department Forum Activities



V.T.U. RANK HOLDERS

2016-17



Amith J.
2nd Rank

M.Tech – Transportation Engg., & Mgmt.



Pavithra B.
2nd Rank

M.Tech – Digital Elec. & Comun. Systems



Aishwarya B R
5th Rank

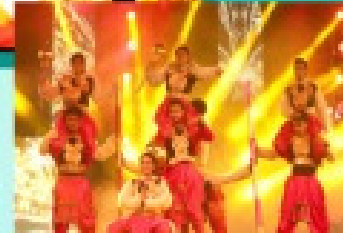
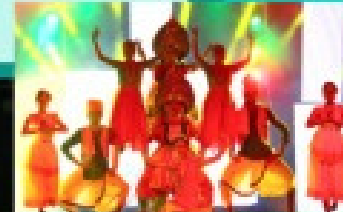
B.E. – Telecommunication Engg.



Srinidhi Puranika S
6th Rank

B.E. – Electronics & Comun. Engg.

Glimpses of JANVEY 2018



Champions of various VTU Sports Competitions



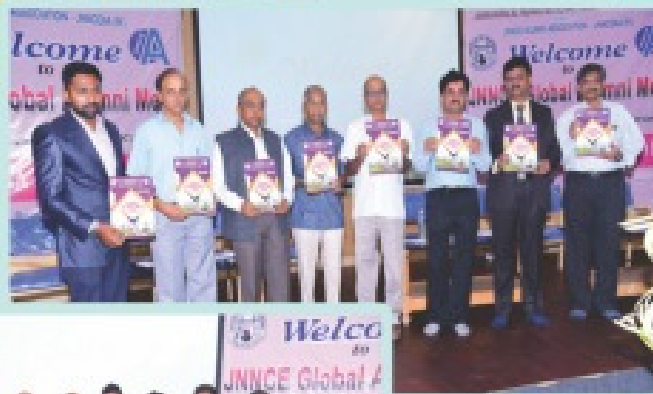
JNNCE Cultural Team at VTU Fest - 2018



NAIN Centre Activities



JNNCE GLOBAL ALUMNI MEET



Graduands Day





Inauguration of NAME 2018

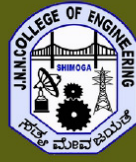
Inauguration of Machine Learning & applications workshop – ISE Dept



Felicitation to Smt. Rudrani – Women's Day Programme

Felicitation to Ph.D. Holders





ADMINISTRATIVE BLOCK



STUDENT AMENITIES CENTRE (SAC)



COLLEGE CANTEEN

LIBRARY & INFORMATION CENTRE



HOSTELS



Annual Report 2019-20

