



National Education Society®
Jawaharlal Nehru National College of Engineering
Shivamogga, Karnataka

(Approved by AICTE, New Delhi, Recognized by Govt. of Karnataka and Affiliated to VTU, Belagavi)



ANNUAL REPORT

2016-17



📍 Savalanga Road, Navule, Shivamogga - 577 204 (Karnataka) 📞 08182-276707/8/9, 2688800/1

🌐 www.jnnce.ac.in ✉ principal@jnnce.ac.in 📠 08182 - 222450



National Education Society®
Jawaharlal Nehru National College of Engineering
Shivamogga, Karnataka



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.



National Education Society ®
Jawaharlal Nehru National College of Engineering

(Approved by AICTE, New Delhi, Recognized by Govt. of Karnataka and Affiliated to VTU, Belagavi)

Savalanga Road, Navule, Shivamogga - 577204 (Karnataka)



ANNUAL REPORT
2016-17

NATIONAL EDUCATION SOCIETY ®



“Gateway of Educational Excellence”!



INDEX

	PAGE NO.
Foreword	1
1. About NES	2
2. Executive Committee of NES	3
3. About JNNCE	4
4. Governing Council of JNNCE	4
5. Institute Profile	5
6. Strategy - Transformation for Excellence 2.0	16
7. Governance	20
8. Education Quality	24
9. Infrastructure Development	35
10. Research, Innovation, Consultancy & Entrepreneurship	40
11. Funding, Grants, Sponsorship	41
12. Industry Collaboration	42
13. Placement	43
14. Sports, Cultural Activities & Campus Living	45
15. NES and Society	50
16. Events Photo Gallery	52
17. Press Media Coverage	60



DR. H.R. MAHADEVASWAMY
PRINCIPAL, JNNCE, SHIVAMOGGA

FOREWORD

It gives me immense joy to present to you the JNNCE-Annual Report for the year 2016-17. I write this message with a sense of pride about how well the College has performed this year, not just in terms of numbers, but also in terms of what we accomplished for students, faculty, employees, parents and the society at large.

The objective behind bringing out this report – 'a first-of-its-kind' -is to chronologically record and archive the institution's activities and achievements of the year, so that the same could be disseminated to all the stakeholders and used as a record for future reference and guidance.

Since its inception in 1980, Jawaharlal Nehru National College Engineering (JNNCE) has established itself as a Premier Engineering Institution in Karnataka. It is engaged in imparting quality technological and management education and providing support for technical education and research activities. JNNCE has committed to enhance capabilities and potential of our human resources with the objective of transforming them into leaders in their chosen area of interest. Our vision is to provide excellent technical education for the students, be globally competitive, so that our students can continuously contribute to a global and rapid technological revolution. JNNCE has carved a niche for itself among the best engineering colleges in India and is a dream institute for many budding engineers. Our distinguished alumni have occupied coveted positions both in India and abroad and a rare source of pride and inspiration to us.

This report presents a bird's eye view of all the major activities, events, developments and accomplishments that had taken place on the campus during the year. For the sake of clarity, the information is presented in the following sub-sections:

- | | |
|-------------------------------------------------|----------------------------------------------------------|
| 1. About NES | 10. Research, Innovation, Consultancy & Entrepreneurship |
| 2. Executive Committee of NES | 11. Funding, Grants, Sponsorship |
| 3. About JNNCE | 12. Industry Collaboration |
| 4. Governing Council of JNNCE | 13. Placement |
| 5. Institute Profile | 14. Sports, Cultural Activities & Campus Living |
| 6. Strategy - Transformation for Excellence 2.0 | 15. NES and Society |
| 7. Governance | 16. Photo Gallery |
| 8. Education Quality | 17. Press Media Coverage |
| 9. Infrastructure Development | |

We sincerely hope that you would find the report informative and illuminating.

The opportunities ahead are huge. By staying true to its mission and its values, and by continually investing in building newer capabilities, JNNCE is positioned well to become the foremost partner of choice to all forward thinking students, parents, faculty and employees in their growth and transformation journeys.

On behalf of the College, I thank you for your continued trust, confidence, and support.



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 an important place of Malnad Area of Western Ghat Region in the Country which is endowed with rich and enchanting grace of nature.

Senior leaders of the district like Mr. S.V.Krishna Murthy Rao, former Deputy Speaker of Lok Sabha, 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 Shresthi, former MLA and a great social worker, Sri Devangi Rathnakar, Sri.Girimaji N. Rajagopal, Sri D. S. Dinakar and others, strived hard to build and nurture the institution to achieve the aspirations of Mahatma. The Society started an independently managed High School in the district during 1946 and constructed its own building with public assistance. With a view to give thrust to girls' education NES opened the first Girl's High School in the district in 1954 and gradually opened more educational institutions in rural areas of the district to cater the needs of rural people.

Sri S.R. Nagappa Shresthi was a true Gandhian, who had actively participated in the freedom movement, and worked ceaselessly till his last breath for the cause of Khadhi & Village Industries as well as extension of education; served as MLA from 1952 to 1957. NES is the testimony of Sri Nagappa Shresthi's greatest achievement.

Many illustrious leaders, statesmen and 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. Radhakrishnan, former President of India, Shri Lal Bahadur Shastri, 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 Anavath Movement.

Despite facing a number of problems during and after the freedom struggle, the enthusiasm and commitment of National Education Society never deterred from working for the cause of education. The Society started a number of professional colleges in the district. Now it is running 35 educational institutions, providing education to more than 15,000 students with 1000 staff. Starting from giving importance to Primary, Secondary and Pre-University education by opening number of Schools and Junior Colleges, the National Education Society is now 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 by obtaining national and international recognitions in their respective fields. It is a matter of great satisfaction to the Society that its efforts to do the best in imparting good education to students have brought good results. Good number of students is coming out from its institutions with flying colours 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 Shresthi, a man who devoted his life to the development of the society.

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

2. EXECUTIVE COMMITTEE OF NATIONAL EDUCATION SOCIETY (R)



Sri. A. S. Vishwanatha
President



Sri. D.H. Srinivasamurthy
Vice President



Sri. H.M. Mallappa
Secretary



Sri. D.R. Amarendra Kireeti
Joint-Secretary



Sri. Vijaykumar J Dinakar
Treasurer



Sri. Nanjundappa
Director



Sri. G. S. Nagaraj
Director



Sri. N. T. Narayana Rao
Director



Sri. G. S. Narayana Rao
Director



Sri. T. R. Ashwathanarayana Setty
Director



Smt. S. R. Susheelamma
Director



Sri. P. Mylarappa
Director



Dr. P. Narayan
Director



Sri. S. L. Srirangaraju
Director



Sri. H. R. Sarangapani
Director



Dr. H. V. Subramanya
Special Invitee



Sri. C. R. Nagaraj
Special Invitee



Sri. S. N. Nagaraja
Special Invitee



3. ABOUT JNNCE

Jawaharlal Nehru National College of Engineering (JNNCE) is one of the technical institutions of Karnataka, providing 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 15000 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 and Chemistry leading to the award of M.Sc. (Engg.) and Ph.D. So far 21 candidates have been awarded Ph.D. from our research centres.

4. GOVERNING COUNCIL OF JNNCE

Sri. A. S. Vishwanatha	President, NES, Shivamogga	CHAIRMAN
Sri. H. M. Mallappa	Secretary, NES, Shivamogga	MEMBER
Sri. D. R. Amarendra Kireeti	Joint Secretary, NES, Shivamogga	MEMBER
Sri. Vijayakumar J Dinakar	Treasurer, NES, Shivamogga	MEMBER
Sri. H. R. Sarangapani	Director, NES, Shivamogga	MEMBER
Sri. T. R. Ashwathanarayana Setty	Director, NES, Shivamogga	MEMBER
Sri. Girimaji R Ravindra	Life Member, NES, Shivamogga	MEMBER
Sri. S. N. Nagaraja	Life Member, NES, Shivamogga	MEMBER
Sri. H. V. Subramanya	Life Member, NES, Shivamogga	MEMBER
Prof. T. S. Hoovaiah Gowda	Registrar, NES, Shivamogga	Ex-Officio Member
Dr. C. K. Subbaraya	Principal, AIT, Chikamagalur	MEMBER
		UNIVERSITY NOMINEE
AICTE NOMINEE	Regional Director, South-Western Regional AICTE Office	MEMBER
GOVT. NOMINEE	The Director, Directorate of Technical Education, Bangalore	MEMBER
Dr. A. V. Pradeep Kumar	HOD, Civil Engg. Dept, J.N.N.C.E, Shivamogga	MEMBER
		STAFF NOMINEE
Sri. C. Suresh	Sr. Asst. Prof. Mech Engg. J.N.N.C.E, Shivamogga	MEMBER
Dr. H. R. Mahadevaswamy	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 applications 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. An initiative “Transformation for Excellence 2.0” for making JNNCE one of the top engineering, research, innovation and enterprising institutes in the next five years was launched. Focus was set on improving the quality of education, research & innovation, infrastructure development, employability of students & few more.

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 36 years. JNNCE is running B.E (CSE, ISE, ECE, TCE, EEE, Civil & Mechanical), M.Tech (Machine Design, Computer Integrated Manufacturing, Transportation Engineering and Management, Digital Electronics& Communication Systems, Computer Science and Networking & Internet Engg), 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 3750 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 46 Ph.Ds as well as 154 with PG qualifications and 4 with M.Phil., amongst whom 60 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 2016-17 academic year has been yet another fruitful year for the institute, as manifested in several. accomplishments and new developments on all fronts, providing further impetus to its urge for excellence in the ensuing academic year 2017-18. NES Management, JNNCE Staff, Students, Alumni are constantly working towards achieving this goal.

Glimpses of Major Achievements of the year 2016-17

❖ **Ranking/Rating:**

There is remarkable improvement in overall ranking in survey done leading magazines in 2017, as mentioned below:

Ranked 46th in India among Top-75 Engineering Colleges of India in 2017 as per “The Outlook” & 7th position in Karnataka

❖ **Academics:**

Institution has so far secured over 100 ranks in university exams and during 2016 we bagged 6 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.

❖ **Research and Innovation:**

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 150 papers in national and international seminars, conferences and journals in the last four years. Funded Research projects worth more than Rs. 22.5 Lakhs have been carried out in the institute in this year.. The institution has organized one International Conference and four National Conferences /Seminars 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.

So for 21 candidates obtained Ph.D. degrees from JNNCE under Research Centre of VTU.

During the year, the College has also launched a 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:

- Innovative Pervious paver blocks which is intended to avoid Water stagnation over pedestrian sidewalks and to recharge the ground water,
- IOT for HOME to make all the home appliances controlled by an Android app,
- Automatic Fetal Detection in Ultrasound Images for early detection of abnormality,
- Target Eliminator & Home Security Surveillance for smarter way to provide home security,

ANNUAL REPORT 2016-17

- Computational Genomics- Development of search tool, sequencing and analysis tools for Scientists and Research scholars in the field of Genomics,
- AROGYA MITRA for emergency alerts and early diagnosis of disorder,
- Internet of Things for Optimization of power dissipation in campus for efficient utilization of power controlling the lights through Android mobile etc.

JNNCE has submitted more than 25 research proposals seeking funding from Department of Science & Technology, Govt. of India, AICTE, KCTU, Govt. of Karnataka. Few among them are project proposal under DHI-TPEM Technology Platform for Electric Mobility under DST and Consortia is formed between JNNCE, Smart Energy Solutions, Mysore, CSIO-CSIR, BITS, Pilani, IITM, Ann Arbor Michigan, Kinetic Motors, Volvo.

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

- Qualitas Technologies, Bengaluru to work in the areas of Hyperspectral image processing and deep learning for machine vision system and
- Laser Consult Kft, Hungary for R&D, Technology transfer and commercialization, Gardenia Group,

❖ Placement:

In addition to education and research, we are focusing on providing skill-based training to students improve 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, Additive Manufacturing, Gypsum Fiber Reinforced Glass (GFRB) based construction, 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 388 students from 2016-17 batch have got job offers through campus placement in companies like BEL, TCS, Evive Health, Tech Mahindra, Crimson Logic, Global Edge, Colors Software, Societe Generale, Ethnus etc. Highest salary offered during 2016-17 is Rs.6.15 Lakhs per annum and average salary is Rs.4.5 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),

National Service Scheme (NSS), Computer Society of India, Society for Automotive, Indian Institute of Foundry men 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 to 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 career.
- Student feed-back is taken, which helps in faculty self-assessment.
- Open textbook tests are conducted to ensure that students study throughout the semester and not only during the exam time.
- Flipped classes are being planned, where the notes, ppts and lecture videos are uploaded, to 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 30 workshops; the faculty has attended about 40 workshops/conferences and 35 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 organising in CET coaching classes for PU students every year, Internet awareness program for housewives and senior citizens, Workshop on electronics, electricals and physics for high school students for

ANNUAL REPORT 2016-17

over 300 students; staff serve as experts / committee members in district administration and Government departments, providing financial assistance to meritorious and economically backward students in the form of scholarships, organizing Blood Donation Camps in association with Rotary clubs, Red Cross Society and Govt. Mc-Gann Hospital etc.

❖ Library & Information System:

The institute library, housed in an exclusive and spacious block, has a collection of 1,08,328 books relating to all branches of Engineering and Management, the digital library subscribes to 42 National & International Journals with e-journals through VTU Consortium and DELNET. The Library has been computerized with e-Lib software.

❖ 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 are serving their alma-mater.

The institute has an active and supportive Alumni Association, which meets regularly 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. Mahadevaswamy
			Built Area:	53097.59 sqm
No. of UG Programmes:	07		Land Area	143056.38 square meters (Excluding MBA – 4 Acres)
No. of PG Programmes:	09		Carpet Area:	45132.95 sqm

ANNUAL REPORT 2016-17

UG Programmes			PG Programmes		
Course	Year	Intake	Course	Year	Intake
Civil Engineering	1980	120	MCA	1995	120
Mechanical Engineering	1980	120	MBA	1996	120
Electrical & Electronics Engineering	1980	60	M.Tech. in Computer Science and Engineering	1999	25
Electronics and Communication Engineering	1980	120	M.Tech. in Network and Internet Engineering	2003	24
Computer Science and Engineering	1991	120	M.Tech. in Design Engineering	2003	18
Information Science and Engineering	1999	120	M.Tech. in Transportation Engineering & Management	2010	18
Telecommunication Engineering	2000	60	M.Tech. in Digital Electronics and Communication Systems	2011	24
			M.Tech. in Computer Integrated Manufacturing	2012	18
			M.Tech. in Power Electronics	2014	18

ANNUAL REPORT 2016-17

Research Centre		Total Students						
Departments	Year		UG			PG		
		Year	Total	Boys	Girls	Total	Boys	Girls
Mechanical Engineering	2000							
Civil Engineering	2002	1 st year (2016-17)	693	365	328	257	129	128
Electrical and Electronics Engineering	2002	2 nd year	857	434	423	242	117	125
Computer Science and Engineering	2002	3 rd year	782	394	388	88	31	57
Electronics and Communication Engineering	2006	4 th year	792	437	355			
MBA	2006	Total	3124	1630	1494	587	277	310
Chemistry	2012							
Physics	2016							
Mathematics	2017							

ANNUAL REPORT 2016-17

Staff Profile

Faculty Cadre as on 31.07.2017

Course	Professor	Associate Professor	Assistant Professor	Lecturer	Total
Principal	01	—	—	—	01
Civil Engineering	02	01	22	—	25
Mechanical Engineering	08	07	12	01	28
Electrical & Electronics Engineering	03	03	08	—	14
Electronics and Communication Engineering	03	—	19	—	22
Computer Science and Engineering	03	02	25	—	30
Information Science and Engineering	02	05	16	—	23
Telecommunication Engineering	01	03	10	—	14
MBA	01	03	10	—	14
MCA	01	02	09	01	13
Physics	01	01	02	—	04
Chemistry	—	01	03	—	04
Mathematics	—	02	06	—	08
Physical Education	—	—	01	—	01
Librarian	—	—	01	—	01
Placement Officer	—	—	01	—	01
Humanities	—	—	01	—	01
Total	26	30	146	02	204

ANNUAL REPORT 2016-17

Faculty Qualification as on 31.07.2017

Course	Ph.D.	Ph.D. pursuing	PG	UG	Total
Principal	01	—	—	—	01
Civil Engineering	02	05	18	—	25
Mechanical Engineering	08	05	14	01	28
Electrical & Electronics Engineering	03	03	08	—	14
Electronics and Communication Engineering	03	04	14	01	22
Computer Science and Engineering	03	07	17	03	30
Information Science and Engineering	03	07	12	01	23
Telecommunication Engineering	01	05	08	—	14
MBA	06	07	01	—	14
MCA	01	07	05	—	13
Physics	02	-	02	—	04
Chemistry	02	01	01	—	04
Mathematics	02	—	06	—	08
Physical Education	—	—	01	—	01
Librarian	01	—	—	—	01
Placement Officer	—	—	01	—	01
Humanities	01	—	—	—	01
Total	39	51	108	06	204

Staff details as on 31.07.2017

Laboratory Staff

Designation	Number
Foreman	07
Instructor	37
Supporting Technical Staff	17
Supporting Non-Technical Staff	14

Principal's Office Staff

Designation	Number
Superintendent	1
FDA	9
SDA	3
Supporting Staff	27

ANNUAL REPORT 2016-17

Library Staff

Designation	Number
Asst. Librarian	1
Supporting Staff	6

Sports Staff

Designation	Number
Sports Assistant	1
Supporting Staff	3

Hostel Staff

Designation	Number
Supervisor	5
Supporting Staff	54

Training & Placement Cell

Designation	Number
Placement Assistant	1
Supporting Staff	1

Transportation Staff

Designation	Number
Driver/Conductor	43

List of HODs as on 31.07.2017

Name	Department
Dr. Rajendra S Khatavakar	Civil Engineering
Dr. Y.J. Suresh	Mechanical Engineering
Dr. S. Surendra	Electrical & Electronics Engineering
Dr. P. Manjunatha	Electronics and Communication Engineering
Dr. Nirmala Shivanand	Computer Science and Engineering
Dr. K. Jyothi	Information Science and Engineering
Dr. M. B Ushadevi	Telecommunication Engineering
Dr. C. Srikant	MBA
Dr. Ajit Danti	MCA
Dr. B. N. Ananda Ram	Physics
Dr. M. H. Moinuddin Khan	Chemistry
Prof. Sridhara Adiga	Mathematics
Mr. Chetan A. V.	Physical Education Director
Mr. Chandrakant R. Bhat	Librarian
Mr. G. Suresh	Placement Officer

ANNUAL REPORT 2016-17

Library Details as on 31.07.2017

1	Carpet area	2049.48 Sq.m
2	Software	e-Lib iNext Web based
3	No. of volumes	108328
4	No. of titles	15089
5	National Journals	34
6	International Journals	08
7	Member of VTU Consortium (Online Journals)	2500+
8	Member of DELNET	On line journals, E-Books and Inter library loan
9	General Magazines	20
10	Website	www.libinfo.jnnce.ac.in
11	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!

Enhancing the academic atmosphere by emphasizing excellence in teaching, research, innovation

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

Action Plans to realize the above goals are:

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

- Faculty Development workshops on various topics in all depts.
- Identifying and developing Road map for topics based on current & future needs.
- Mentoring by inside and outside academic experts, Mentoring by industry experts

ANNUAL REPORT 2016-17

- 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
- Serving as reviewers and chairing sessions in Journals & Conferences
- Arranging In-house workshops & Motivational programs
- Making use of Free Online resources
- Inviting Industry experts during weekend for teaching (Alumni, industry executives and parents with passion for teaching.)

Metrics for measuring Education Quality:

- **To increase the rank holders in VTU exams**
 - 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 exams**
 - Identifying probable students based on past data in University exams
 - Handholding them by way of coaching, guiding them with all possible facilities by the Dept. Faculty
- **To help below average students to do well in VTU exams**
 - Helping them to identify problems & assisting them to cope up by Faculty mentors in depts..
 - Motivating them so that they can score well
- **Input Quality of Students**
- **Placement**

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 controlling 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

- Identifying the areas of research based on strengths of Faculty
- Create an environment for high-impact, cutting-edge research
- Applying for Indo-XXX Country Research funding by collaborating with Foreign Universities
- Identifying the current work to apply for patents
- Establishing collaboration with DRDO, ISRO, Public Sector Companies, MNCs
- Applying for Contract Research work, partnering with companies
- 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 development:

- Setting up the Technology Business Incubation Centre with the 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)

6. Industry Collaboration

- Inviting industries for setting up competency centres in emerging technology areas
- Identifying 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 Lectures by experienced persons from industry

- Organizing workshop/seminar periodically and invite the corporate executives to deliver lectures and interact
- Industrial visit, Expos, Exhibitions for students, Faculty
- Panel Discussions, CEO Interactions

7. Placement

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

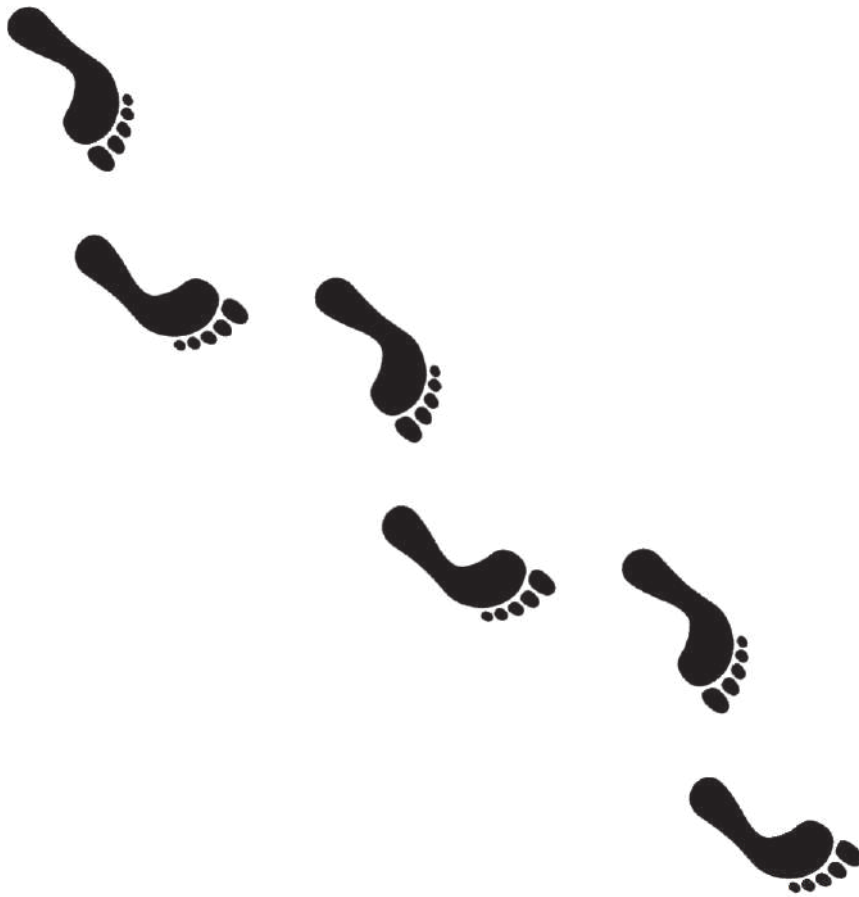
8. Sports, Cultural Activities & Campus Living

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

9. NES and Society

Following is the way proposed to assist NES Institutions:

- a. Assisting other NES Institutions 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 for other NES institutions
- d. Assisting to build a centre for preparing for competitive exams



**...footprints of a
glorious journey
2016-17**

7. GOVERNANCE

- **29th Meeting of Governing Council** of JNNCE was held on 17.08.2016 at 11.00 A.M. in the Administrative Building and various agenda subjects were discussed and resolved.
- **30th Meeting of Governing Council** of JNNCE was held on 22.10.2016 at 10.30A.M. in the Administrative Building and various agenda subjects were discussed and resolved.
- **Visit to Premier Institutions:** To know about best practices of other Institutions and organizations and implementing the same in our institutions to make them better, Secretary, NES and Principal, JNNCE visited Robert Bosch, Koramangala, RVCE, Christ University, Bangalore SIT, Tumkur and CIT, Gubbi, on 6th, 7th, and 8th Dec 2016 and held wide-ranging discussions and visits with the concerned Principals, Deans, and Executives.
- **Anti-Sexual Harassment Committee** comprising of the Principal as Chairman and eight faculty members (of which 7 were women) was constituted on 9.1.2017. An 8-member all-women **Anti-Sexual Harassment Squad** was also formed.
- **Anti-Ragging Committee** comprising of the Principal as Chairman and 28 senior staff and jurisdictional Police Inspector was constituted on 25.1.2017. A 26-member **Anti-Ragging Squad** was also formed.
- **31st Meeting of Governing Council** of JNNCE was held on 17.05.2017 at 11.00 A.M. in the Administrative Building and various agenda subjects were discussed and resolved.
- The following committees were constituted w.e.f. 3.7.2017, later modified w.e.f. 10.3.2018 as part of NAAC Accreditation process:
 - **1. Library Committee** - with Principal as Chairman, Librarian as Member-Convenor and 11 staff members
 - **2. IT Planning & Monitoring Committee** - with Principal as Chairman, Dr. Nirmala Shivanand, H.O.D-CSE as Member-Convenor and 4 staff members
 - **3. Sports Committee** - with Dr. Rajath Hegde M M as Member Coordinator and 3 staff members
 - **4. Cultural Activity Committee** - with Mr. Madhusudan G as Coordinator and 8 staff members
 - **5. Academic Monitoring Committee (AMC)** - with Dr. L K Sreepathi, Vice Principal as Chairman, Mr. Sunil M D as Convener and 8 staff members
 - **6. Industry-Institute Interaction Committee** - with Dr. Rajath Hegde M M as Member-Convenor and 11 staff members

ANNUAL REPORT 2016-17

- **7. JNNCE Journal of Engineering & Management (JJEM) Editorial Committee** – with Principal as Chairman, Dr. M. G. Krishnamurthy as Editor and 5 staff members
- **8. Research Committee** - with Dr. L K Sreepathi, Vice Principal as Chairman, Dr. P.Nagabhushan, Director-IIIT-A as a Special Invitee, Sri S N Nagaraj, Secretary-NES as Management Representative and 10 staff members
- **9. Admission Committee** - with Prof. C. Suresh as Chairman and 3 staff members
- **10. Examination Committee** - with Dr. B N Anandaram as Member Convener and 10 staff members
- **11. Hostel Committee** – with Wardens of Boys' Hostel, Wardens Girls Hostel and 4 staff members as Advisory Members
- **12. JNNCE News letter** - with Dr. Nirmala T as Member-Convener and 9 staff members
- **13. Mentor Scheme** - with Mr. Ashok Kumar C D as Member-Convener and 12 staff members
- **14. NAAC Steering Committee** - with Dr. Sathyanarayana S V as Coordinator and 16 staff members
- **15. NBA Committee** - with Dr. E Basavaraj, Prof. Mech. as Coordinator, Dr. A H Thejaswai, Prof, EEE as Co-Cordinator and 11 staff members
- **16. Purchase Committee** - with Dr. Nirmala Shivanand as Member-Convener and 8 staff members
- **17. Anti-Ragging Committee** – with the Principal as Chairman, Sri. Ramachandra K Baliga as Coordinator and 25 staff members
- **18. College Internal Complaints Committee** - with Dr. Nirmala Shivanand as Member Convener, Ms. Keerthi Shetty – Member (NGO) and 10 staff members,
- **19. Grievance Redressal Committee** - with the Principal as Chairman, Dr. Usha Devi M B as Member Convener and 9 staff members
- **20. Student Counselling Cell** - with Smt. Anuradha C K as Coordinator and 10 staff members
- **21. Anti-Sexual Harassment Committee** - with the Principal as Chairman, Dr. Jyothi K as Coordinator and 7 staff members
- **22. Canteen Committee** - with Mr. Ashok V as Coordinator and 7 staff members
- **23. SC/ST Cell** with Mr. Ajjanna N G as Coordinator and 2 staff members
- **24. Alumni Association** - with the Principal as Honorary President, Dr. S. Surendra as President, Mr. Irfan Khan as Secretary and 12 staff members & Alumni representatives.

ANNUAL REPORT 2016-17

- **Guidelines/Instructions–Exam. Invigilators/Reliever/IDCs:** A circular was issued on 3.7.2017 whereby all the Faculty members who were assigned as Invigilators/Relievers/IDCs were informed to adhere to various guidelines/procedure strictly for smooth functioning of the exam.

❖ GREEN INITIATIVES

- A Proposal for installation of **Solid Waste Treatment Plant** at JNNCE Campus was submitted to NES Management for approval on 1.9.2016.
- A Proposal for installation of **Roof Top Solar panel systems** at JNNCE was submitted to NES Management for approval on 11.12.2016.

❖ HODs MEETINGS

- More than 10 scheduled and unscheduled meetings of HODs were conducted during the year, 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 were 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. were discussed/communicated in these meetings.
- The Principal convened a special Meeting of HODs on 5.7.2017, where he unveiled **JNNCE'S Vision for 2025** under the title: "**Transformation for Excellence 2.0**".
 - A template for developing and presenting individual department's vision and road map was also released on the occasion and the HODs were urged to adopt the same.

❖ SPECIAL PRESENTATIONS

The Principal made presentations on –

- **Updates and Status, Transformation for Excellence, JNNCE's Vision** –at the specially convened staff meetings on 17.10.2016 and 27.12.2016;
- **Transformation for Excellence, Why Research & Innovation?, JNNCE – Vision, Roadmap, Engineering & Technology ahead, Our Approach** –at the specially convened staff meetings on 8.11.2016.

ANNUAL REPORT 2016-17

- **Updates and Status, Transformation for Excellence, JNNCE's Vision** –at the specially convened staff meeting of
 - ISE Dept. on 27.12.2016;
 - Mechanical Engg. Dept. on 13.4.2017;
- **Mapping of work going on to Emerging & Industry areas & Creation of Inventions** –at the specially convened combined staff meeting of ECE, TCE & EEE Dept. on 8.3.2017.
- **Beginning of Even Sem. 2016-17 - Plan ahead, Updates, NBA preparation–Schedule, NAAC preparation & submitting application** at the specially convened staff meeting on 22.3.2017.
- **Team Work – Smart Work, the Big Picture, Faculty and Researcher–Soft Skills, Sigmoid Curve-for Critical Change** –at the specially convened staff meeting of ISE and CSE Depts. on 11.4.2017 and 17.5.2017 respectively.
- **Update on NAAC LOI acceptance and next steps; College Fest: Ethnic Day, Techzone, Sports Day, Janvey–Our role, Academics–Completion of syllabus, test and plan for slow learners, Plan for organizing workshop, FDP & conferences in depts** - at the specially convened staff meeting on 2.5.2017.
- The profile & performance of the College before VTU- Local Inquiry Committee (LIC) that visited the institution on 31st May 2017.
- **Closing of Even Sem 2016-17, VTU Exam schedule and our role, Updates, Faculty Development Program (FDP) in house for all Faculty in emerging technology area, JNNCE Alumni Meet@ Delhi organized by North Indian JNNCE Alumni, Update Meeting with various Ministries, Secretaries, Director in MHRD, AICTE, DST, IOC, NAAC Preparation, 2017-18 Academic Calendar and preparation** - at the specially convened staff meeting on 7.6.2017

❖ STAFF MEETINGS

- Teaching Staff Meeting was convened on 2nd May 2017 at 3.30 PM with the following agenda:
 - Update on NAAC LOI acceptance and next steps
 - College Fest : Ethnic Day, Techzone, Sports Day, Janvey – Our role
 - Academic : Completion of syllabus, test and plan for slow learners
 - Plan for organizing workshop, FDP, conferences in depts.

8. EDUCATION QUALITY❖ **ADMISSION****2016-17 Admission Details of 1st year B.E****UG:**

Sl. No.	Course	Intake	Admitted	Vacancy
01	Civil Engineering	126	121	05
02	Mechanical Engineering	126	108	18
03	Electronics & Communication Engineering	126	119	07
04	Telecommunication Engineering	63	53	10
05	Computer Science & Engineering	126	124	02
06	Information Science & Engineering	126	118	08
07	Electrical & Electronics Engineering	63	55	08
	Total	756	698	58

PG:**2016-17 Admission Details of****1st year M.Tech, MBA, MCA & MCA Lateral Entry, & M.Tech.**

Sl. No.	Course	Intake	Admitted	Vacancy
01	MBA	120	120	-
02	MCA	120	62	58
03	MCA-Lateral Entry	24	24	-
04	M.Tech-CSE	25	14	11
05	M.Tech-NIE	24	02	22
06	M.Tech-Design	18	03	15
07	M.Tech-Trans	18	18	-
08	M.Tech-DECS	24	09	15
09	M.Tech-CIM	18	02	16
10	M.Tech-PE	18	05	13

ANNUAL REPORT 2016-17

❖ Results & Ranks Secured

**Statement showing the statistics of Results pertaining to
VIII Sem MAY/JUNE 2016 Exam (After RV)**

Branch	Total Appeared	F.C.D.	F.C.	S.C.	Total Pass	% age
Civil	147	98	42	3	143	97
Mech.,	141	92	38	0	130	92
E & E	62	46	14	0	60	97
E & C	133	78	54	1	133	100
TC & E	55	39	14	1	54	98
CS & E	143	82	43	1	126	88
I S & E	121	49	58	13	120	99
Total	802	484	263	19	766	96

**Statement showing the statistics of Results pertaining to
PG. II to VI Sem June/July 2016 Exam (After RV)**

P.G. Course	Semester	Total Appeared	F.C.D.	F.C.	S.C.	Total Pass	% age
MBA	II Sem	119	5	62	15	82	69
	IV Sem	98	33	48	4	85	87
MCA	II Sem	34	18	7	0	25	74
	IV Sem	97	52	21	0	73	75
	VI Sem	52	52	0	0	52	100
M.Tech (CS&E)	II Sem	14	9	5	0	14	100
M.Tech., (N&IE)	II Sem	4	2	1	1	4	100
M.Tech., (MD&E)	II Sem	8	5	2	1	8	100
M.Tech., (CTM)	II Sem	17	16	1	0	17	100
M.Tech., (DEC)	II Sem	21	13	6	0	19	90
M.Tech., (CIM)	II Sem	2	2	0	0	2	100
M.Tech., (EPE)	II Sem	7	2	5	0	7	100

ANNUAL REPORT 2016-17

DETAILS OF UNIVERSITY RANKS FOR THE YEAR 2015-16

SL NO.	NAME	BRANCH	RANK SECURED
1	Harshitha G	M.Tech in Transportation Engg. & Management	1 st Rank & Gold Medal
2	Priyanka B R	M.Tech in Network & Internet Engineering	1 st Rank & Gold Medal
3	Arpitha P	M.Tech in Network & Internet Engineering	2 nd Rank
4	Toufeeq Pasha	M.Tech in Network & Internet Engineering	3 rd Rank
5	Praveen Kumar B H	MBA	8 th Rank
6	Anusha N C	B.E. – B.E. – Electronics & Communication Engineering	7 th Rank

❖ EDUCATION

- A **Faculty Academic Performance Review Process** was introduced based on a newly-designed comprehensive **Semester-End Report** for ODD /EVEN Semester 2016-17, from each faculty detailing Profile of Classes handled, and details of Curricular, Co-Curricular activities carried out, Project work/Seminar/Internship guided, Internal Assessment record, Examination Results (actual/expected), etc, for review and guidance.
- **First Year Mentors Meet** was held on 02.09.2016, to identify the student problems and motivate them, and to discuss the progress & performance of concerned students with their parents, to help improve the students; performance and an improvement in performance in exams and results.
- A two-day demo-cum-faculty development workshop on **Outcome based Education and Flipped courses** by Dr.K Kendaganna Swamy, Asst.Prof, Dept of Electronics & Instrumentation, RVCE, Bangalore was held on 19th & 20th September 2016 to bring about a major change in teaching-learning process where the entire course structure encourages students to learn outside of class material that they then use in class to deepen their learning. These courses are built on concepts such as learning-centred course design, active learning, and technology-enhanced learning and generally deliver instruction in both an asynchronous and synchronous manner. All faculty members participated in this workshop.

ANNUAL REPORT 2016-17

- Procured one-time payment licence for Microsoft Windows OS Enterprise edition and Microsoft Office Student edition for usage in all departments, with the savings of more than Rs.13 Lakh annually. Details of No. of Licences allotted to different Departments w.e.f. 1.4.2017:

Sl. No.	Department	OS Enterprise Edition	Office Professional	Student Edition
1	Principal and allied departments	45	45	0
2	Mechanical	25	3	14
3	Civil	25	3	14
4	ISE	25	3	14
5	ECE	25	3	14
6	CSE	25	3	14
7	EEE	12	3	08
8	TCE	12	3	08
9	MCA	20	3	14
10	MBA	20	3	14
11	Basic Sciences	06	3	06
Total		240	75	120

Sl. No.	Department	OS	Office Professional	Student Edition
1	Placement	02	02	-
2	Library	11	08	-
3	Office Establishment	18	14	-
4	Hostel	03	03	-
5	Exam	03	03	-
6	Sports	02	02	-
7	Principal	02	02	-
8	Transportation	02	02	-
Total		43	43	-

ANNUAL REPORT 2016-17

- Mr. Prasanna P Doddmani, Manager, Synergy Products, Bangalore, delivered a technical talk on “Project Management Concepts and Primaveera” on 22nd Feb 2017.
- **Students’ Chapter (SAE-JNNCE Students Chapter)** was inaugurated by Mr. Krishna Ramaswamy, CEO M/s Xitadel held on 3rd March 2017.
- Mr. Vinay CEO SPM Hydraulics Company, Bangalore conducted a two-day workshop on “Design of Tall Structures” on 17th & 18th March 2017.
- Mr. Vasudev Murthy, Director, Tools Academy, Bangalore, conducted a two-day workshop on “Admixture for Construction” on 10th & 11th April 2017.
- A Technical talk on “Best Practices” was given by Prof.K.B. Shadakhsharappa, CEO, KBS Technologies, Bangalore on TIPS, Road Map, and Directions for terracing research project on 23rd April 2017.
- Mr. Chetan M L, AGM, L&T Company, Chennai and Mr. Sunil Kumar D.C., Design Engineer Feedback Infra, Bangalore conducted a two-day workshop on “MX Roads” on 3rd & 4th June 2017.
- The Institution organized Five-Day workshop on National Board of Accreditation (NBA) and Outcome Based Education (OBE) from 23rd to 27th Jan. 2017

The Institution organized the following **Five-Day Faculty Development Programs**.

Sl. No.	Department	Topic	Duration
1	Mechanical Engineering	3D Printing	13.06.2017 - 19.06.2017
2	Civil Engineering	Application of Total Station in Civil Engineering	12.06.2017 - 16.06.2017
3	Electrical, Electronics & Telecommunication Engineering	Advanced Microcontroller programming and IOT	12.06.2017 - 16.06.2017
4	Computer Science & Engineering	Python Programming	09.06.2017 - 11.06.2017 and 16.06.2017 - 18.06.2017
5	Department of Mathematics	Recent Trends in applications of Partial Differential Equation & Probability Theory	27.06.2017 - 01.07.2017
6	Master of Business Administration	BIG Data for Business Management	03.07.2017 - 07.07.2017

- In association with Karnataka Science and Technology Academy (KSTA), Bangalore, the institution organized following technical talks under **Open Lecture Series Scheme** for the benefit of faculty and students:

ANNUAL REPORT 2016-17

- Lecture on “3R of Research: Research, Researchers, & Researching” by Dr. Ashok Rao, former Professor, IISc, Bangalore on 22.6.2016
- Lecture on “India’s Role in Space ” by Padmabhushana Prof.U R Rao, Former Chairman, ISRO and Eminent Scientist on 10.11.2016
- Lecture on “ Magic World of Shock Waves” by Dr.K P J Reddy, Professor, Dept. of Aerospace Engineering, IISc, Bangalore on 18.2.2017

❖ **Programmes conducted by Departments:**

➤ **Civil Engineering Department**

Conferences, workshop / STTP and seminars conducted are as follows:

Sl. No.	Name of the Conference etc. organized	Date & Month	Source of Financial Support	No of Participants
1.	One-week Continuing Education Course on Advanced Surveying and Total Station	24-10-2016 - 28-10-2016	Engineering Staff Training College, Govt. of Karnataka	32
2.	One-week Continuing Education Course on Computer Applications in Civil Engg.	09-01-2017 - 13-01-2017	Engineering Staff Training College, Govt. of Karnataka	33
3.	Project Managements Concepts + Primavera + MSP workshop	22-02-2017	Civil Engineering Association	30
4.	National Creativity Aptitude Test 2017 for Civil Students	03-03-2017	Civil Engineering Association	20
5.	Two-Day workshop on “Design of Tall Structures”	17-03-2017 - 18-03-2017	Civil Engineering Association	45
6.	One day workshop on AUTO DESK Products	05-04-2017	Civil Engineering Association	35
7.	Admixture for Construction workshop	10-04-2017 - 11-04-2017	Civil Engineering Association	40

ANNUAL REPORT 2016-17

➤ Mechanical Engineering Department

Conferences, workshop / STTP and seminars attended/conducted:

Sl. No.	Conferences, Workshops / STTP and Seminars
1	Mr. Manjunatha Chary G.H & Dr. K. Sabeel Ahmed - SCICON 16 International Conference on Advanced Materials organized by the Department of Sciences, AMRITA Vishwa Vidyapeetham, Coimbatore, during 19-21 December 2016
2	Mr. N.D. Shivanandappa - "Advances in Engineering Mathematical Models" organized by Innovation Center, BMS institute of Technology and Management, Bangalore, 9th -13th Jan 2017 (five days)
3	Mr. M. Shanthi Kiran - Five-day Workshop on National Board of Accreditation (NBA) (OBE) held from 23rd to 31st Jan 2017
4	Seminar on "Latest Developments in Software related to Automotive Technology" by Sri Prakash Krishna Swamy, CEO, Xitadel CAE Technologies India Pvt. Ltd., as part of SAE Chapter, on 3rd March 2017.
5	Mr. N.D. Shivanandappa - "Machines and Mechanisms Kinematics Dynamics and Computational Tools", organized from 14th to 15th March 2017 by NIT-Karnataka, Surathkal TEQIP-II
6	Mr. Shanti Kiran M coordinated a technical talk on "Entrepreneurship" by Mr.Bhagavan, Prop., M/S L.R. Enterprises, Bangalore on 19 April 2017

➤ Electronics & Communication Engineering Department

Sl. No.	Name of the Conference etc. organised	Date & Month	Source of Financial Support	Sponsored	No. of Participants	Remarks
1.	2 weeks STTP on "CMOS VLSI System Design"	20/6/2017 - 04/07/2017	MHRD	MHRD, Govt. of India	25	Online, under JNNCE Remote centre by IIT, Kharagpur

ANNUAL REPORT 2016-17

Workshops:

Sl. No.	Name of the programme organised	Date & Month	Staff In-charge	No. of Participants	Remarks
1	Workshop on application of 555 timer for 4th sem students	Feb 2017	Harisha S. B. & Benak Patel M. P.	55	In association with IETE-Shimoga centre & ECE dept.
2	Workshop on Hands on training on Aurdino Uno for 8th sem students	10/2/2017 to 11/2/2017	Shashikiran S & Ashwini S. R.	15	In association with IETE-Shimoga centre & ECE dept.
3.	Workshop on “Internet awareness and digital transactions” for women and senior citizen	20/6/2017 - 04/07/2017	Aparna & Ashwini S. R.	22	In association with IETE-Shimoga centre & ECE dept.

➤ Information Science & Engineering

Sl. no.	Conference, Workshop and Seminars	Date
1	Hands-on session on “Python Programming” by Nagaraj Hedge and Naveen Kumar H P	30/03/2017
2	A Technical Talk on “Brainstorming Challenges in Algorithmic Design” by Dr. P Nagabhushan, Mysore University	20/03/2017
3	A Technical talk on “ Transformation-How to Smooth Sail into Corporate World?” by Prof. K B Shadaksharappa, Former HOD., CSE Department, PESIT, Bangalore	06/04/2017
4	Session workshop on “Angular-JS” Mr. By Anup D Rao,Senior Software Engineer, Infogain, Bangalore	
5	A Technical Talk on “Recent Trends in software industry and Expectations from students” by Mr. Mahesha Pandith, Head-Technology, Arisglobal Software Pvt. Ltd., Bangalore	05/05/2017

ANNUAL REPORT 2016-17

➤ Dept. of Management Studies

Sl. No.	Name of the Conference etc. organised	Date & Month	No. of Participants
1	Soft skills and Pre-Placement Requisites & Preparation by Varnaz Leaders Factory, Bangalore	23.10.2016	120
2	Soft skills for Better Curricular & Co-curricular Performance by Varnaz Leaders Factory, Bangalore	18.11.2016 - 20.11.2016	120
	MDP on business accounting (for MAMCOS, Shimoga)	19/01/2017 - 22/01/2017	60
4	Advanced Excel Training	11/02/2017 - 18/02/2017	120
5	Entrepreneurial Development-Idea Generation	11/02/2017 - 18/02/2017	120
6	Intercollegiate UG Fest	30/03/2017	150
7	Utthana Programme- Cancer Health Awareness & Stress Management Programme	19/04/2017	
8	Soft Skills for Better Curricular & Co-curricular Performance by Varnaz Leaders Factory, Bangalore	28/04/2017 - 30/04/2017	120
9	Alumni Meet and Mangement Day	07/05/2017	94 Alumni and 240 MBA Students

ANNUAL REPORT 2016-17

- **“Closed Room Interaction Session”** for randomly selected 10 students from each department separately with the Principal was organized in the seminar hall, AD block, on 30.5.2017. The objective was to interact with students, get their feedback, impressions, opinion and use this for continuous improvement. Totally about 150 students were called and written feedback was taken in a special template designed for this purpose. The Principal presented the vision of college and action taken during the year, so that outgoing students know what was happening so that they would convey to their juniors and help in admission.
- An **Exit Survey of Outgoing Students** of 2017-passing-out batch was conducted on 30.5.2017 to have their feedback and opinion on various issues surrounding the College, education, facilities, faculty, etc. The Principal presented a detailed **Vision Statement of JNNCE** before the outgoing students and solicited their continued association with and cooperation to the alma-mater.
- A **Technical Visit to “Main Receiving Station (MRS)”**, Shivamogga, was organised for 6th semester E&E students on 29th May 2017.
- TCE Department organized a Two-week online **STTP on “CMOS VLSI System Design”** sponsored by MHRD, Govt. of India under JNNCE-Remote Centre of IIT Kharagpur with 25 participants, from 20th May to 4th June 2017 at JNNCE.
- CSE Department organized a **FDP on “Python Programming for Cloud, Data Sciences and Networking”** for CSE, ISE, and MCA faculty on 9th - 11th and 16th - 18th June 2017.
- A FDP program for faculty of EE, EC, and TC departments on **“Advanced Microcontroller and IOT”** was organized during 12th - 16th June 2017.
- **FDP on “Recent Trends In Applications of PDE and Probability”** was organized by the Dept. of Mathematics from 27th June to 1st July 2017.
- Dept. of Management Studies organized a five-day **FDP on 'Big Data for Business Management'** from 3rd to 7th July 2017. The resource persons were Dr. Lalith Achoth, Director, Dairy Science College, Bangalore & Dr. Jasma Balasangameshwara, Asso. Prof., Department of Computer Technology, Dayananda Sagar University, Bangalore.
- Dept. of Management Studies organized a **Industrial visit to MTR, Bangalore and Ashley-Althoms, Chennai** for third semester HR students during Feb 2017.

❖ Steps taken for quality improvement in Education:

- 1) In order to encourage academic excellence, scholarships at college level were being offered to students by NES Management.
- 2) Mentor Scheme: For every 20 students a teacher would be overseeing the academic performance and sent reports to parents regarding test / exam / attendance performance.
- 3) Additional books were being provided to the class toppers at the library on recommendation from respective Department HOD.
- 4) Book bank scheme was successfully implemented in Library.
- 5) Academically weak students were identified and special tutorial classes were conducted.
- 6) JNNCE has been identified as Remote centre of IIT, Bombay / IIT Khargpur for a conduction of Faculty Development Programme for Engineering College / Polytechnic Faculty.
- 7) JNNCE has been identified as a Nodal centre for the project E-Yantra – A Robot based Project initiated by IIT, Bombay.
- 8) Government of Karnataka has setup New Age Incubation Network Centre at JNNCE to promote Entrepreneurship in places other than Bangalore with a funding of Rs. 40 Lakhs per year.
- 9) JNNCE Entrepreneurship Development Cell has been established to motivate students for self employment and Entrepreneurship Development.

9. INFRASTRUCTURE DEVELOPMENT

- Proposal for extensive **Repair and Renovation works** to be carried out at various premises/departments/buildings in the College campus, as detailed below was submitted to NES Management for approval on 9.1.2017:

Sl. No.	Dept. / Building	Type of work	Cost Estimate (Rs. in lakhs)
1	Admin building	Repair and Renovation works inside bldg.	5.00
2	E&E, TCE, ISE, Departments	<ul style="list-style-type: none"> • Renovation, repair of ISE, TCE, CSE, E&E staff rooms • Electrical repair, fittings • Furnishing staff rooms of ISE, TCE, CSE, E&E dept 	20.00
3	Old Library	<ul style="list-style-type: none"> • Renovation of old Library Block for MTech lab and class rooms (Cost inclusive of Civil works and Aluminum partition) • Furnishing, Electrical work 	6.50
4	Old bank and society building	<ul style="list-style-type: none"> • Replacing and repairing of window shutters, glass panels etc., • Laying of Flooring , painting • Furnishing • Renovation of Washroom. 	4.95
5	Repair of Desks, Procuring new desks	<ul style="list-style-type: none"> • Repairing of desks in class rooms in all depts • Procuring 250 new desks and 30 class room podium 	18.50
6	Leakage Repair works	<ul style="list-style-type: none"> • Leakage problem in AD, CSE, Silver Jubilee, Library, MBA buildings 	27.00 or 62.00

- Proposal for extensive **Repair and Renovation works** to be carried out at various premises/departments/buildings in the College campus, as detailed below was submitted to NES Management for approval on 17.6.2017:

1. Admin Block

- i) Repair & Replacement of Broken Windows

2. Repair & Renovation of Silver Jubilee Building (ECE, TC, ISE Block)

- i) Repair and replacement of broken windows
- ii) Painting work (Building, Windows, Doors)
- iii) Putting Mesh to avoid Pigeons
- iv) Polishing of Floors
- v) Repair of Toilets, changing broken tiles, commodes in all toilets
- vi) Converting current Labs (which were being shifted to new library building) into class rooms, faculty rooms
- vii) Furniture (wherever required) is shortage for department ECE, TCE & ISE

3. Repair & Renovation of Computer Science Block

- i) Repair of replacement of broken windows
- ii) Painting work (buildings, windows, door etc.)
- iii) Solution to Leakage in terrace
- iv) Polishing of doors
- v) Repair of toilets, changing broken tiles, commodes in all toilets
- vi) Furniture to Faculty room, department
- vii) Repair of desks in class rooms
- viii) Providing ramp in ground floor for physically handicapped people

4. Repair of renovation of EEE Block

- i) Repair of renovation of broken windows
- ii) Paintings were (buildings, windows, doors, etc)
- iii) Solution to leakage in terrace
- iv) Repair of Toilets
- v) Aluminium portions of faculty rooms
- vi) Furniture to Faculty
- vii) Polishing / repair of staircase
- viii) Converting browsing Centre into a Lab
- ix) HOD room renovation (Laying toilet-partitions)

5. New Library Block

- i) Completing Aluminium partitions, i.e., 2nd & 3rd floor (right wing)
- ii) Aluminium partitions of Librarian cabin
- iii) Electrical wiring and other work like lights, fans, UPS fixing
- iv) Furniture for Civil, Mech, TCE Labs
- v) Leakage problem in Library lending section

6. Repair of renovation of old Library Block (Portion towards gym)

- i) Laying tiles
- ii) Converting to Seminar Hall for Civil dept use
- iii) Repair of renovation of broken windows, doors
- iv) Putting pipe for rain water (in front side)
- v) Repair of Toilets
- vi) Laying of tiles in drawing hall,
- vii) Repair of Door & windows in drawing hall

7. Repair of renovation of old MECH Block

- i) Completing the falls ceiling of Lab (Hydraulic, workshops)
- ii) Completing the Drawing hall to make Seminar hall
- iii) Furniture for faculty rooms, Depts.

8. Repair of renovation of Gymnasium

- i) Repair of renovation of broken windows
- ii) Paintings of buildings, windows, doors, etc
- iii) Laying tiles
- iv) Providing pipe to collect water in front side

9. Repair & renovation at STEP BUILDING

- i) Solution to leakage in terrace
- ii) Repair of desks
- iii) Aluminium partition of faculty rooms (Maths, Physics, Chemistry)
- iv) Repair of Toilets
- v) Converting space available (STEP) to use as research Centre

10. Students Amenities (SAC building) to use as Incubation Centre

- i) Solution to leakage in terrace
- ii) Replacing / Repair of broken windows
- iii) Rearranging existing Aluminium portions and make new Partitions
- iv) Repair of Toilets
- v) Providing asphaltting approach road to guest house, bank

11. Repair of renovation of MBA / MCA Block

- i) Solution to leakage in terrace
- ii) Repair / Replacement of broken windows/ doors
- iii) Converting two rooms is seminar hall with acoustics and AC.
- iv) Repair/ Replacement of broken sheet is portico / terrace

12. Parking for students

- i) In front of MBA Block (Students)
- ii) Constructions of parking shed for 2 wheeler 4 wheelers
- iii) Providing separate gate to parking
- iv) Entry barrier after parking lot

13. Parking for Staff

- i) Providing covered parking in all places as above and in front of AD block

ANNUAL REPORT 2016-17

▪ Library Details for the year 2016-17

Books Added

Sl. No.	Branch	No. of Titles	No. of Copies	Amount (Rs.)
1	B.E Civil Engineering	20	215	141544.00
2	B.E Computer Science & Engineering	27	822	552542.00
3	B.E Electrical & Electronics Engineering	33	222	145973.00
4	B.E Electronics & Communication Engineering	15	648	355032.00
5	B.E Information Science & Engineering	22	674	457478.00
6	B.E Mechanical Engineering	38	531	248358.00
7	B.E Telecommunication Engineering	11	449	267986.00
8	M.Tech Computer Integrated Manufacturing	2	07	3933.00
9	M.Tech Computer Science Engineering	4	25	14935.00
10	M.Tech Digital Elec. & Com. Engineering	10	56	42905.00
11	M.Tech Network & Internet Engineering	5	55	32415.00
12	M.Tech Power Electronics	1	02	1050.00
13	Master of Computer Applications	16	400	279410.00
14	General	07	09	10263.00
	Total	211	4115	2553824.00

Journals

Sl.No.	Particulars	No. of Journals	Investment (Rs)
1	National Journals	62	66000.00
2	International Journals	Member of VTU Consortium Total Investment Rs. 1500000.00	
3	General Periodicals	20	

10. RESEARCH, INNOVATION, CONSULTANCY & ENTREPRENEURSHIP

❖ RESEARCH-FUND-CIE

- **“Intellectual Property (IP) Initiative @ JNNCE”** was started w.e.f 28th February 2017, with the objective to ignite students and staff and to progress towards invention-based projects, research and to aim for filing patent applications to protect their work.
- Karnataka New Age Incubation Centre sanctioned a **Research Grant** of Rs. 3 lakh to a Project **“Pervious Concrete for Paver blocks”** guided by Mr. Neeraj S N., Asst. Prof., in Feb 2017.
- A **Research Grant** of Rs. 4 Lakh was sanctioned by Karnataka New Age Incubation Center for the Project **“Plastic bitumen and fiber-reinforced concrete”** guided by Mr.Raghuram Asst. Prof.
- A talk on **“Entrepreneurship”** was delivered by Mr. B. Bhagavan, Prop., M/S L. R. Enterprises, Bangalore on 19th April 2017.
- Mr. Kittur Nagesh from Cognito Networks Inc., USA shared a large number of **Project Ideas for JNNCE Computer Science and Engineering Students** on 4.5.2017.
- A proposal to set up **JNNCE Agricultural Technology Incubation Center (JAgTIC)** in JNNCE was submitted to Atal Innovation Mission (AIM), NITI Ayog, New Delhi on 31.07.2017, with LOIs from Bahat Group, Yehud, Israel, Green Bubbles Startup Services Pvt. Ltd., Bangalore, University of Agricultural & Horticultural Sciences, Shimoga, & WinTrans, Bangalore.
- Dept. of Civil Engg. conducted a **Pavement investigation study** for a prematurely failed flexible pavement section of SH38 at Kollegala, Chamarajanagar District.

11. FUNDING, GRANTS, SPONSORSHIP

❖ PROJECT FUNDING

- A Project Proposal titled “Automated Print/Pattern Inspection using Machine Vision” under Advanced Manufacturing Technology (AMT) Program seeking a financial assistance of Rs.84.50 lakhs was submitted to DST-GOI, on 10.1.2017.
- A Project Proposal titled “Sludge Along With Non-Edible Oil Cake Using Clostridium Bifermentans, C. Histolyticum, Fusobacterium, Peptococcus Bacteria” under Waste Management Technology (WMT) Program seeking a financial assistance of Rs.10.45 lakhs was submitted to DST-GOI, on 30.1.2017.

12. INDUSTRY COLLABORATION

❖ INDUSTRY-INSTITUTION COLLABORATION

- An **MOU between NVIDIA Corporation, USA & JNNCE**, was proposed on 15.9.2016 under NVIDIA ACADEMIA INITIATIVE, to provide appropriate exposure to budding students in using effectively CAD/CAE/CFD software (CATIA, AutoCAD, Solid Works, Pro/E, ANSYS, NASTRAN, ABACUS etc.). NVIDIA GPU is the “Visual Computing Platform” driving these applications software to their fullest capabilities, (i) to inculcate parallel programming skills in students by teaching CUDA using GPUs and making them Industry-relevant (ii) to encourage Professors & Researchers to carry out innovative R&D using GPUs and its available Ecosystem.
- **Invitations to Corporates for Collaboration:** Letters requesting/inviting various corporates to visit the institution and collaborate for developing solutions to their problems areas, client future projects, etc were sent on 16.10.2016.
- An **MOU between Adviteeya Pvt. Ltd., Bangalore & JNNCE, Shimoga** was proposed on 24.3.2017 for cooperating by means of sponsorship of certain technical events, Internship for undergraduate and post-graduate students, support for collaborative post-graduate programs, sponsorship to employees of Adviteeya for post-graduate programs, and collaborative research work in the areas relevant to Adviteeya.
- An **MOU between Qualitas Technologies, Pvt. Ltd., Bangalore & JNNCE, Shimoga** was entered into on 24.3.2017 for cooperating by means of sponsorship of certain technical events, Internship for undergraduate and post-graduate students, support for collaborative post-graduate programs, sponsorship to employees of Qualitas Technologies for post-graduate programs, and collaborative research work in the areas relevant to Qualitas Technologies.
- An **MOU between LASER CONSULT KFT, Hungary & JNNCE, Shimoga** was entered into on 3.5.2017 to encourage and promote cooperation in the fields of (i) Technology Transfer/Commercialization and, (ii) other areas as mutually agreed upon.

14. PLACEMENT**Placements of 2016-17 Batch**

Sl. No.	Company Name	Total Selected	MCA	CSE	ISE	ECE	EE	MECH	TCE	CIVIL	Salary Rs. p.a.
1	BEL	04				04					8,02,000
2	TCS	139	05	40	19	48	06	13	08		3,60,000
3	GLOBLE EDGE	04		01	01	02					3,00,000
5	CRIMSON LOGIC	02		01		01					3,75,000
6	TECH MAHINDRA	21		04	03	09	02	02	01		3,60,000
7	EVIVE HEALTH	08		07					01		6,60,000
8	SOCIETE GENERALE	11		03	01	05	01		01		4,60,000
9	INFINITUM GLOBAL	53	12	03	05	03	04	14	07	05	1,80,000
10	WERBUNG	84	35	02	10	05	05	15	05	07	1,80,000
11	ETHNUS	09				02	01	05	01		2,40,000
13	CIGITAL	02		02							4,40,000
14	ATRIA	02				01		01			2,80,000
15	SEVENTH SENSE	02				02					3,40,000
16	ETHNUS	02		01		01					2,40,000
17	ABC for JAVA	05		02	01	01	01				2,50,000
18	Alpha 9 Marine	02						02			4,00,000
20	SILFRA TECH	05	05								2,50,000
21	GULFIE SOFT	02	02								2,80,000
22	MITRA SOFTWARE	09	09								2,50,000
23	TCS OFF-CAMPUS	02	02								3,60,000
24	COGNIZANT	02	02								3,20,000
25	H P (AMCAT)	01							01		2,60,000
27	QSPIDER	13		03	04	04	02				2,50,000

(excluding MBA Placements of 20)

ANNUAL REPORT 2016-17

- A **training programme for 7th Sem. students** in Verbal Ability, Quantitative Ability, Logical and Analytical Reasoning was conducted from 18.07.2016 to 23.07.2016 to prepare them for appearing campus placement; 275 students attended the training.
- Organized six-day **training program on “Employability Skills”** by ETHUNS, Bangalore, during 31st July to 5th Aug 2017 for final year students of all branches. 280 students were attended.
- **34 Companies** visited the campus for recruitment from 2016-17 batch.

14. SPORTS, CULTURAL ACTIVITIES & CAMPUS LIVING

❖ ALUMI

- On 6th May 2017, **Alumni Meet** was held at AD Block Seminar hall.
- **JNNCE Alumni Meet** was arranged on 10th June 2017 in Delhi (at Tivoli Garden Resort Hotel, Chhattarpur Hills, Near Chattarpur Mandir, Mehrauli, Chattarpur Road, New Delhi). A large number of JNNCE alumni from Delhi/NCR were present at this meet, graced by NES Secretary Sri. S.N. Nagaraja and Principal Dr. H. R. Mahadevaswamy,
- As part of this, facilitated by our Delhi-based alumni, the JNNCE Delegation comprising of NES Secretary Sri. S.N. Nagaraja, Principal Dr. H. R. Mahadevaswamy, Prof. ShanthiKiran M, Mr. Sumant Parimal and Mr. Ashok Pradan (JNNCE Alumni) visited (i) Department of Science and Technology, GOI, New Delhi and met Mr. Chandra Mohan – Director DST, Dr. Rashmi Sharma – Scientist E, and, Mr. Harkesh Mittal – Advisor & Head, National Science and Technology Entrepreneurship Development Board – DST, and (ii) AICTE, New Delhi and met Dr. R S Rathore – Director AICTE, and discussed about project funding proposals and got very positive response from them.

❖ ANNUAL DAY PROGRAMMES-2017

- On 6th March 2017 **Cultural activities** were inaugurated by Dr. H.R. Mahadevaswamy, Principal at MBA/MCA Auditorium. 22 Pre-Janvey Events [related to music, fine arts, theatre, literary & Dance] were conducted in the campus successfully during March-April 2017.
- **1st day: 4/5/2017**
 - 9.00 am to 1.30 pm (**Ethnic Day**)
 - Procession with Traditional and Dollu Music.
 - Students and Faculty in various ethnic and colorful dresses.
 - Ramp Walk by pre-selected candidates (students from various branches).
 - 6.00 pm to 9.30 pm
 - Rock band show
 - Laser lighting show

ANNUAL REPORT 2016-17

▪ **2nd day: 5/5/2017**

- 6.00 pm to 9.30 pm (**Sports Day**)
- Formal Function with JNNCE Sports Alumni as guest.
- Prize distribution by the Principal and Guest (Sports and Cultural) - the winners of the Janvey-2017 pre-events were awarded with gold (43), silver (40) and Bronze (40) Medals & Certificates at the Main Stage (Stadium)
- Cultural Program

▪ **3rd day: 6/5/2017**

- 6.00 pm to 9.30 pm (**Cultural Day**)
- Formal Function with Sri K.J. Sunilkumar (Television Serial Director, Bengaluru) as the Chief Guest.
- Distribution of Special Awards to Best Cultural, Departmental and Cultural Outgoing Students, Rank Holders and Special Achievements and Janvey Prizes.
- Janvey Cultural Program

- On the 5th May, 2017, **inaugural function of Techzone** (the 4th National Level Technical Symposium) was held at MBA/MCA Auditorium. After the function, respective Techzone events were conducted in the Campus. On 7th May, 2017, **Prize distribution & Valedictory of Techzone** were held in Ananya Mantapa.

❖ **Other Events**

- Swami Nirbhayananda Saraswati delivered an inspiring talk on **“Inner Engg. for Youth”** on 10th May 2017.
- Ms Suraksha Shetty, 5th semester CSE has won a **cash award of Rs. 1.3 lakh** from Government of Karnataka for securing 1 gold, 2 silver and 2 bronze medals in National Roller Skating Competition held in Jan 2017.
- Dept. of Management Studies organized **“Mathrubhasha Divas”** as per the guidelines given by the AICTE and Govt. of India, at JNNCE on 20th Feb 2017.
- Utthana-Centre for Arts, Literature and Humanities organized a program on **“Health Awareness, Stress Management and Cancer”** on 19th April 2017.
- As a beginning to identify and recognize the outstanding personalities at JNNCE, Dr. L.K.Shreepathi was honoured with **“Outstanding Researcher Award”** for his life time achievement in innovative research in the area of Renewable Energy and Green Technology and for his outstanding research capability and concern to environment, on 6th May 2017.

ANNUAL REPORT 2016-17

- **“Farewell Function”** for Final Year students was held on 29.05.2017 comprising of functions at respective departments, Class Photo Session in front of Library block and Farewell Lunch at Ananya Mantapa.

❖ SPORTS

Sports Achievement during 2016-17

This year our college teams had participated in almost all the sports events conducted by V.T.U. Belgaum.

Individual Achievements:

Sl. No.	Name of the student	Name of the Event	Held at	Place secured
1	Suhas S 6 th MECH	VTU Single zone Taekwondo competition	VDRIT, Haliyal 20 th to 22 nd October 2016	62 Kg 1 Bronze
2	Bhuvan G S 8 th MECH	VTU Single zone Power Lifting competition	GAT, Bangalore 11 th to 13 th November 2016	74 Kg 1 Gold
3	Premkiumar R 4 th CV	VTU Single zone Power Lifting competition	GAT, Bangalore 11 th to 13 th November 2016	66 Kg 1 Gold
4	Suraksha R Shetty 4 th CS	State level Roller Skating	Mysore 11 th to 13 th November 2016	1 Gold 1 Sliver
5	Sharadhi S 1 st year	National level Karate Championship	Shimoga 3 rd & 4 th December 2016	1 Gold 1 Sliver Grand Champion

ANNUAL REPORT 2016-17

Inter-University Representation:

Sl. No.	Name of the students	Name of the Event	Held at	Place secured
1	Prathibha H G, 2 nd CV	South zone Inter University Badminton tournament 2016-17	Kamraj University, Madurai,Tamilnadu 3-7 October 2016	-
2	Bhuvan G S 8 th MECH	All Indian Inter University Power Lifting 2016-17	Punjab University, Chandigarh from 23-26 Feb 2017	-
3	Premkiumar R 4 th CV	All Indian Inter University Power Lifting 2016-17	Punjab University, Chandigarh from 23-26 Feb 2017	-

Group Achievements:

Sl. No.	Name of the Event	Name of the Zone	Held at	Place secured
1	Badminton (W)	VTU Central Karnataka zone	AIT,Chikamagalur 21 st & 22 nd September 2016	1 st place
2	Badminton (W)	VTU Inter zone	RYMEC, Ballari 24 th to 26 th September 2016	1 st place
3	Badminton (M)	VTU Central Karnataka zone	AIT,Chikamagalur 21 st & 22 nd September 2016	2 nd place
4	Table Tennis (M)	VTU Central Karnataka zone	SIT, Tumkur 3 rd & 4 th September 2016	3 rd place

❖ CULTURAL ACTIVITIES

- Participated in **Advitiya16** -a techno-cultural fest at KLEIT Hubli from 23rd & 24th Sept. 2016 and secured the following prizes:
 - Robo Race - **4th Place**
 - Technical Paper Presentation - **1st Place**
 - Techathon - **2nd Place**
 - IT Quiz - **3rd Place**
 - Technical Treasure Hunt - **1st Place**
- 4 Students (Mechanical Branch) participated in **Robothon** -a techno-cultural fest at **NMAMIT, Nitte** on 14th Oct 2016 and secured **1st Place** in Robo Competition
- Participated in **VTU Xpressions** -a techno-cultural fest at **VTU Belagavi** on 12st Oct 2016 and secured,
 - **1st Place** in Group Dance (Ms. Pragna & team)
 - **1^s Place** in Quiz (Mr. Vijeeth & team)
 - **2nd Place** in Rangoli (Ms. Pooja Hegde)
 - **3rd Place** in Singing (Mr. Bharath G.)
- Participated in **TCS Tec bytes** (Mr. Vijeeth & team) at **Tumkur** on 14th March 2017 and secured **4th place**.
- Participated in **VTU YUVAKALAJALI [Annual University Fest]** at **Sir. MVIT, Bengaluru** from 16th to 19th March 2017 (126 Engg. Colleges under VTU participated) and secured -
 - **2nd Place** in Rangoli (Ms. Pooja Hegde)
 - **3rd Place** in Group Dance (Ms. Pragna & Team)

15. NES AND SOCIETY

❖ OUTSIDE INTERACTION

- The Principal participated and delivered an Invited Talk on **“Expectation of Industry from Young Engg. Students & Overview of Emerging Technologies”** at E-Manthana programme organized by AIT, Chikmagalore, on 4.11.2016.
- The Dept. of E&CE organised Two day workshops on **“Internet Awareness and Digital Transactions for Women and Senior Citizens”** at JNNCE on 17th & 18th March 2017 and from 20.6.2017 to 4.7.2017.
- 3rd Year students of E&EE Dept. collected funds from staff & students to donate a steel almirah and sports equipments to **Sri Sharadadevi Andhara Vikasa Kendra**, Gopala, Shivamogga on 13th July 2017.
- **JNNCE National Service Scheme** conducted various social service objectives as under:
 - One week **“NSS Special Camp”** for the benefit of public at Matturu, Shivamogga from 11th to 17th February 2017.
 - Health care programme arranged by H M Health care Trust at McGann Hospital, Shivamogga, on 20th & 21st February 2017.
 - Seed ball preparation program, in association with Uthkrusta Bharatha at JNNCE on 5th March 2017.
 - Rs 24,200/- was contributed to Snake Kiran for his healthcare on 14th March 2017.
 - A Jatha on **“World Water Day”**, in association with Chirantana Club at Shivamogga , on 22nd March 2017
 - Deputed two student Volunteers for **“Leadership Camp”**, organized by VTU at VTU campus, Belagavi from 1st to 7th April 2017.
 - **“Blood Donation Camp”** in association with Rotary Club & McGann Hospital at JNNCE on 7th April 2017
 - Conducted **“Swachh JNNCE”**- a Campus Cleaning program at JNNCE on 20th May 2017
- One-day workshop on **“Time Management and Skill Development”** was conducted by Humanities Dept., for students of Vikasa High School, Shimoga on 1st July 2017.
- **Chirantana Green Technology and District Bio-Fuel Information Center** of JNNCE conducted various activities as under:

ANNUAL REPORT 2016-17

- Sky watch using stellerium at NSS program of KNMC for women on 26th Jan 2017 at Hosudi.
- Organised “National Science Day” at Kuvempu Ranga Mandira, Shivamogga on 28th February 2017.
- Presentation on “Celestial Objects” at Kallahalli, Bhadravati on 14th March 2017.
- Celebration of Earth Day by promoting low energy travel to College on 22nd April 2017.
- A Talk on “Water management for farmers” on 8th May 2017 at Holehonnuru.
- Conducted a program on Seed ball preparation on 14th May 2017 at JNNCE
- Talk on Rain Water Harvesting at Rajendranagara Residents’ Association on 16.07.2017.
- Field trial testing of Areca nut reaper on 17.07.2017
- Talk on Rain Water Harvesting and Global warming at Govt. Degree College, Shimoga organized by Rotary club on 22.07.2017

FDPs / WORKSHOPS / STTPs ORGANIZED



UTTHANA - 2017



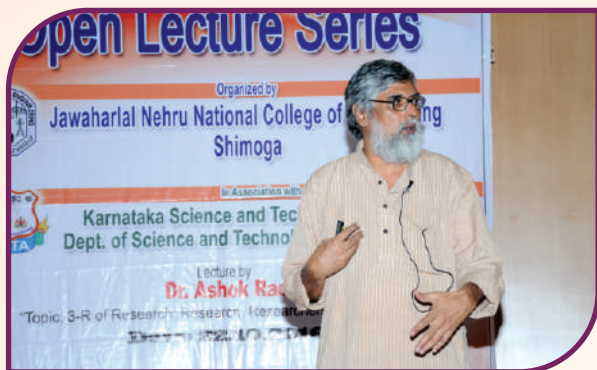
JANVEY - 2017



TECHZONE - 2017



OPEN LECTURE SERIES



FIRST YEAR B.E. ORIENTATION



CHIRANTHANA ACTIVITIES



SPORTS ACHIEVEMENTS



EDC - NAIN ACTIVITIES



PROJECT EXHIBITION



ALUMNI MEET @ DELHI



ANNUAL REPORT 2016-17


PRESS MEDIA COVERAGE



Open Lecture Series Padmabhushan Prof. U.R. Rao (10.11.2016)



One Day Workshop on Vehicle Emission and Its Impact on Environment (04.01.2017)

 **NATIONAL EDUCATION SOCIETY ®**
JAWAHARLAL NEHRU
NATIONAL COLLEGE OF ENGINEERING
NAVILU, SHIVAMOGGA – 577 204.
Ph :08182-276707, Fax : 08182-222459, www.jnncs.ac.in

STAFF REQUIREMENT

Applications are invited on plain paper, with supporting documents for the following posts, on or before 18.01.2017 and send it to the Principal, JNNCES, Shivamogga-577 204.

1. Assistant Professor – Chemistry Department - 01 No
2. Personal Assistant to Principal – Degree with Secretarial Practice - 01 No
3. IT Analyst to Principal Office at Instructor level - 01 No
4. Second Division Assistant for Accounts with good Experience – B.Com / M.Com - 01 No
5. Admin Assistant with HR specialization and Computer Knowledge to Training and Placement Department- 01 No
6. Receptionist / Clerk for “Office” – Any Degree - 01 No
7. Helpers for Library – SSLC - 02 Nos
8. Campus Maintenance Staff (C.M.S) Qualification : SSLC - 04 Nos
9. Ladies Hostel Attender / Room Boy - Qualification : SSLC - 01 No

For further details on qualifications, experience and other details, visit our website www.jnncs.ac.in

– H. M. Mallappa
Secretary, N.E.S.,
Shivamogga

Dr. R. R. Mahadevaswamy
Principal, JNNCES,
Shivamogga

[illegible]

19.01.2015 ಪ್ರತಿಭಾಷಾ

ಜಿಎನ್ಎಸ್ಸಿಗೆ ಆರು ರ್ಯಾಂಕ್

■ ಜಿಎನ್ಎಸ್ಸಿಗೆ ಸುರಕ್ಷಿತತೆ ನೀಡಿದ್ದು
 ವಿವಿಧವಿಧದ ಸಿದ್ಧತೆಗಳ 2015-16ರಲ್ಲಿ ಕೈಗೊಂಡ ಕಡತದಲ್ಲಿ ರೂಪುಗೊಂಡ ಮೂಲಕ
 ಅಂದಾಜು ಮತ್ತು ವಿವಿಧ ರೀತಿಯ ಸಾಧನೆಗಳಲ್ಲಿ ಸಾಧಿಸಿದ ಮೊತ್ತಗಳನ್ನು ಆಧರಿಸಿ ಆರು ಸಾವಿರ ರ್ಯಾಂಕ್
 ಗಳನ್ನು ನೀಡಿದ್ದು



ಅಮರ್ನಾಥ



ಸುಜಿತಾ



ಪ್ರಜ್ವಲಾ



ಪ್ರಜ್ವಲಾ ಮುನೋ



ಪ್ರಜ್ವಲಾ



ಪ್ರಜ್ವಲಾ

ಜಿಎನ್ಎಸ್ಸಿಗೆ ಸುರಕ್ಷಿತತೆ ನೀಡಿದ್ದು ವಿವಿಧವಿಧದ ಸಿದ್ಧತೆಗಳ 2015-16ರಲ್ಲಿ ಕೈಗೊಂಡ ಕಡತದಲ್ಲಿ ರೂಪುಗೊಂಡ ಮೂಲಕ ಅಂದಾಜು ಮತ್ತು ವಿವಿಧ ರೀತಿಯ ಸಾಧನೆಗಳಲ್ಲಿ ಸಾಧಿಸಿದ ಮೊತ್ತಗಳನ್ನು ಆಧರಿಸಿ ಆರು ಸಾವಿರ ರ್ಯಾಂಕ್ ಗಳನ್ನು ನೀಡಿದ್ದು

ಜಿಎನ್ಎಸ್ಸಿಗೆ ಸುರಕ್ಷಿತತೆ ನೀಡಿದ್ದು ವಿವಿಧವಿಧದ ಸಿದ್ಧತೆಗಳ 2015-16ರಲ್ಲಿ ಕೈಗೊಂಡ ಕಡತದಲ್ಲಿ ರೂಪುಗೊಂಡ ಮೂಲಕ ಅಂದಾಜು ಮತ್ತು ವಿವಿಧ ರೀತಿಯ ಸಾಧನೆಗಳಲ್ಲಿ ಸಾಧಿಸಿದ ಮೊತ್ತಗಳನ್ನು ಆಧರಿಸಿ ಆರು ಸಾವಿರ ರ್ಯಾಂಕ್ ಗಳನ್ನು ನೀಡಿದ್ದು

University Level Ranks to Students

ಪ್ರಜಾವಾಣಿ

ಬುಧವಾರ • ಫೆಬ್ರವರಿ 15, 2017

1

ಉದ್ಯಮಶೀಲತಾ ಶಿಬಿರ 'ಹ್ಯಾಕಥಾನ್' ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಡಾ. ಲಕ್ಷ್ಮಿ ಜಗನ್ನಾಥನ್ ಅಭಿಮತ

ಗ್ರಾಹಕಸೇವೆ ಉತ್ಪನ್ನಗಳತ್ತ ಉದ್ಯಮಿಗಳ ಚಿತ್ತ

ಪ್ರಜಾವಾಣಿ ವಾಕ್

ಶಿವಮೊಗ್ಗ: "ಯಾವುದೇ ಉತ್ಪನ್ನಗಳು ಗ್ರಾಹಕಸೇವೆಯಾಗಿ ಇರುವಂತೆ ಮುನ್ನೆಡ್ಡರಿಗೆ ಹೊಂದಿಕೊಳ್ಳುವ" ಎಂದು ಬೆಂಗಳೂರಿನ ರಮೇಶ್‌ನಂದ್ ಪಾಗರ ಸಂಸ್ಥೆಯ ಉದ್ಯಮಶೀಲತಾ ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥ ಡಾ. ಲಕ್ಷ್ಮಿ ಜಗನ್ನಾಥನ್ ಸಲಹೆ ನೀಡಿದರು.

ಪಾಗರದ ಜನಾರ್ದಲಾಚಾರ್ಯ ಸೆಮಿನಾರ್‌ನಲ್ಲಿ ಉದ್ಯಮಿಗಳಿಗೆ ಅಭಿಮತ ವ್ಯಕ್ತಪಡಿಸಿದಾಗ ಇವರ ಹೇಳಿಕೆಗಳು ಉದ್ಯಮಿಗಳಲ್ಲಿ ಮುಗ್ಧತೆಯನ್ನು ಹರಡಿದ್ದು ಉದ್ಯಮಶೀಲತಾ ಶಿಬಿರ 'ಹ್ಯಾಕಥಾನ್ - 2017' ಕಾರ್ಯಕ್ರಮದ ಉದ್ದೇಶವೆಂದು ಮನವರಿಕೆಯಾಯಿತು.

"ಗ್ರಾಹಕರು ಸದಾ ಉತ್ಪನ್ನದ ಗುಣಮಟ್ಟದ ಉತ್ಪನ್ನಗಳನ್ನೇ ನೀಡುತ್ತಿದ್ದಾರೆ. ಒಮ್ಮೆ ಗ್ರಾಹಕರಿಗೆ ಉತ್ಪನ್ನಗಳಿಗೆ ಪ್ರಿಯವಾದರೆ ಮುಂದುವರಿದು, ತೊಂದರೆಯಿಲ್ಲದೆ ಬಳಸುವಾಗಲೇ ಮೊದಲ ಆಶ್ಚರ್ಯವಾಯಿತು. ಉದ್ಯಮಿಗಳಿಗೆ ಹೆಚ್ಚಿನ ಉತ್ಪಾದನೆಯಾಗುತ್ತದೆ" ಎಂದು ಡಾ. ಜಗನ್ನಾಥನ್ ಉದ್ಯಮಿಗಳಿಗೆ ಬಿಂಬಿಸುತ್ತಾ ತೋರಿಸುವ ಮೂಲಕ ಗ್ರಾಹಕರ ಮನಕೃತಿ



ಶಿವಮೊಗ್ಗದ ಶಿವಮೊಗ್ಗ ಎಂಜಿನಿಯರಿಂಗ್ ಇಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜಿನಲ್ಲಿ ಡಾ. ಲಕ್ಷ್ಮಿ ಜಗನ್ನಾಥನ್ ಅವರು ಉದ್ಯಮಿಗಳಿಗೆ ಉತ್ಪನ್ನಗಳನ್ನು ತೋರಿಸುತ್ತಾ ಅವರ ಮನವರಿಕೆಯನ್ನು ಮಾಡುತ್ತಿದ್ದಾರೆ. ಡಾ. ಲಕ್ಷ್ಮಿ ಜಗನ್ನಾಥನ್ ಅವರು ಉದ್ಯಮಿಗಳಿಗೆ ಉತ್ಪನ್ನಗಳನ್ನು ತೋರಿಸುತ್ತಾ ಅವರ ಮನವರಿಕೆಯನ್ನು ಮಾಡುತ್ತಿದ್ದಾರೆ.

ಉದ್ಯಮಿಗಳಿಗೆ ಉತ್ಪನ್ನಗಳನ್ನು ತೋರಿಸುತ್ತಾ ಅವರ ಮನವರಿಕೆಯನ್ನು ಮಾಡುತ್ತಿದ್ದಾರೆ. ಡಾ. ಲಕ್ಷ್ಮಿ ಜಗನ್ನಾಥನ್ ಅವರು ಉದ್ಯಮಿಗಳಿಗೆ ಉತ್ಪನ್ನಗಳನ್ನು ತೋರಿಸುತ್ತಾ ಅವರ ಮನವರಿಕೆಯನ್ನು ಮಾಡುತ್ತಿದ್ದಾರೆ.

ಮುಖ್ಯಾಂಶಗಳು

- ಗುಣಮಟ್ಟದ ಉತ್ಪನ್ನ ನಿರೀಕ್ಷೆಯನ್ನು ಗ್ರಾಹಕರು
- ಗ್ರಾಹಕರ ಸಂಪ್ರದಾಯದಿಂದ
- ಮಾಹಿತಿ ತಂತ್ರಜ್ಞಾನ ಅಭಿವೃದ್ಧಿ

ಯಾವುದೇ ವ್ಯವಹಾರ ಪ್ರಾರಂಭಿಸುವ ಮುನ್ನ ವ್ಯವಸ್ಥಾಪಕರು ಉದ್ಯಮಿಗಳಿಗೆ ಉತ್ಪನ್ನಗಳನ್ನು ತೋರಿಸುವ ಮೂಲಕ ಗ್ರಾಹಕರ ಮನವರಿಕೆಯನ್ನು ಮಾಡುತ್ತಿದ್ದಾರೆ.

ಉದ್ಯಮಿಗಳಿಗೆ ಉತ್ಪನ್ನಗಳನ್ನು ತೋರಿಸುತ್ತಾ ಅವರ ಮನವರಿಕೆಯನ್ನು ಮಾಡುತ್ತಿದ್ದಾರೆ. ಡಾ. ಲಕ್ಷ್ಮಿ ಜಗನ್ನಾಥನ್ ಅವರು ಉದ್ಯಮಿಗಳಿಗೆ ಉತ್ಪನ್ನಗಳನ್ನು ತೋರಿಸುತ್ತಾ ಅವರ ಮನವರಿಕೆಯನ್ನು ಮಾಡುತ್ತಿದ್ದಾರೆ.

Hackathon 2017 (14.02.2017)



Inauguration of Faculty Development Programs (15.06.2017)



Innovative Project Exhibition (23.06.2017)



JNNCE-Institutional Ranking (21.07.2017)



ADMINISTRATIVE BLOCK



STUDENT AMENITIES CENTRE (SAC)



COLLEGE CANTEEN

LIBRARY & INFORMATION CENTRE

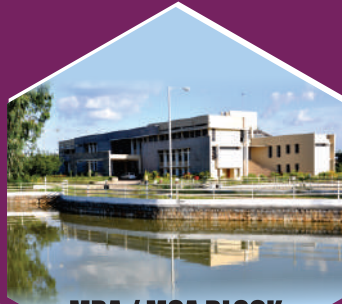


HOSTELS





National Education Society®
Jawaharlal Nehru National College of Engineering
Shivamogga, Karnataka



MBA / MCA BLOCK



**COMPUTER
SCIENCE BLOCK**



**TURF CRICKET
GROUND**



SPORTS PAVILION



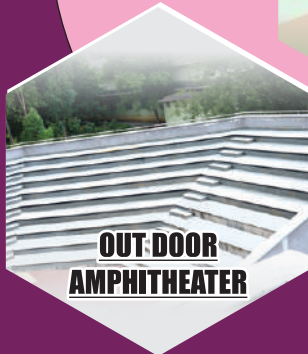
AUDITORIUM



OLD BLOCK



COLLEGE BUS STAND



**OUT DOOR
AMPHITHEATER**



**SILVER
JUBILEE BUILDING**



STEP BLOCK



E & E BLOCK