

JSSATE ANNUAL REPORT



August 2016 - July 2017



JSS MAHAVIDYAPEETHA

JSS ACADEMY OF TECHNICAL EDUCATION

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Sl. No.	Description	Page No
1	Inauguration of First Year BE programme	3
2	Birth Centenary Celebration of His Holiness Dr. Shivarathree Rajendra Mahaswamijigalavaru	5
3	National Workshop on Accreditation Process for Technical Institutions	7
4	State level ISTE students' annual convention	8
5	Lecture	13
6	Capacity Building programme on Research & Development	14
7	Interaction between Industry and Institute for better opportunities	15
8	Symposium/Conference	16
9	Departments and College Fest	24
10	Alumni Meet	10
11	Awards	32
12	Ranks	35

1. INAUGURATION OF FIRST YEAR BE PROGRAMME

With the blessing of His Holiness Sri. Shivaratri Deshikendra Mahaswamiji, President, JSS Mahavidyapeetha, Mysuru.

On 6th August 2016 Dr. S.M. Jaamdar, IAS (Retd), Director, JSSITCE, Bengaluru, JSS Mahavidyapeetha, inaugurated the function First Year BE programme 2016-17 and addressed the students

Shri. Srikanth Srinivasan, Senior Director (HR), Cognizant Technologies Solution, Bengaluru has addressed the students.

Dr. Mrityunjaya V Latte, Principal presided over the function..

Dr. D. Mahesh Kumar, Asso. Professor & Head, Dept of E&IE, JSSATE, Bengaluru welcomed the dignitaries.

Dr. B.Mahesh, Asso. Professor & HOD, Chemistry, JSSATE, Bengaluru rendered vote of thanks.

Mr. Prabhushankar. M.R. Asst. Professor, IEM Dept anchored the ceremony.



Innvocation By students



Dr. M V Latte, Principal, Shri. Srikanth Srinivasan, Senior Director (HR).CTS Dr. S.M. Jaamdar, IAS (Retd), Director, JSSITCE, and Dr. D. R. Swamy, Professor IEM dept

2. BIRTH CENTENARY CELEBRATIONS OF HIS HOLINESS JAGADGURU DR. SRI SHIVARATRI RAJENDRA MAHASWAMIJI

Shri. D. H. Shankara Murthy, Honourable Chairperson of Legislative Council, Govt. Of Karnataka, inaugurated the **Birth Centenary Celebrations of His Holiness Jagadguru Dr. Sri Shivaratri Rajendra Mahaswamiji**, the 23rd pontiff of Suttur Veerasimhasana Math, Suttur Shrikshetra. The programme was organized jointly by JSS Academy of Technical Education, Bengaluru, and JSS High School, Ganakal, Bengaluru.

The programme had the gracious presence of His Holiness Shri. Shivarudra Swamiji, pontiff of Virakta Math, Channapattana.

In his inaugural speech, Shri. Shankara Murthy threw light on the strength of ancient Indian education system with examples.

Shri. Go. Ru. Channabasappa, President – All India Sharana Sahitya Parishat, has presided over the function.

Shri. S T Somashekhar, Honourable Member of Legislative Assembly – Yeshwantapura Constituency, Govt. of Karnataka, and **Shri. Arya Srinivas**, Member-BBMP, Bangalore were the chief guests.

Dr. Mrityunjaya V Latte, Principal of JSSATE, welcomed the dignitaries.

Dr. Malini Patil anchored the ceremony.

Dr. B P Mahesh, HOD – IEM, rendered vote of thanks.



3. NATIONAL WORKSHOP ON ACCREDITATION PROCESS FOR TECHNICAL INSTITUTIONS

In the view of centenary birth celebration of His Holiness Dr. Sri Shivaratri Rajendra Mahaswamiji programs have been arranged throughout the year in JSSATE, Bangalore. On this solemn occasion a “Two Day National Workshop on Accreditation Process for Technical Institutions” was conducted on 26th and 27th August 2016. This program was supported by 18 Industries. The main sponsors are M/s Cognizant Technologies, M/s Corporation Bank, M/s ANSYS (ARK) etc. The program was inaugurated on 26th by the chief Guest Sri Bharat Lal Meena, IAS, Additional chief Secretary to Government of Karnataka, Higher Education Department. Prof C Ranganathaiah presided over the function. Total 205 participants from various parts of the country attended the workshop. Dr. Mrutyunjaya V Latte, Principal JSSATEB welcomed the participants and delegates, Dr. T N Nagabhushana CEO, Research Foundation JSSMVP delivered key note address. The program convener and Chief NBA Coordinator Dr. Swamy D R, presented vote of thanks. Eminent speakers from various organizations delivered effective lectures on NBA process in this twodays workshop. The workshop Coordinators are Dr T S Nanjundeswaraswamy, Associate professor, Sri S T Veerabhadrappe, Assistant Professor, Sri Sharana Basavana Gowda, Assistant professor and Sri Kousik S, Assistant professor.



4. STATE LEVEL ISTE STUDENTS ANNUAL CONVENTION

The 13th State level ISTE students' annual convention “E-Pravarthana-2K16” was organized by the Department of Electronics & Instrumentation Engineering, JSS Academy of Technical Education, Bengaluru.

The convention was inaugurated by Prof. Pratap Sinha K Desai, President, ISTE, New Delhi. In his inaugural address he elaborated the need of quality technical education for the successful implementation of Make in India.

The Chief guest of the function Mr. Kurien K Eapen, competency head, Wipro has highlighted about technological requirements in industries and preparedness of Engineering Institutions in this direction to produce competitive Engineers.

The guest of honour Dr. C K Subbraya Chairman, ISTE, Karnataka section has spoken about the role of ISTE and the major activities carried under its umbrella.

Prof. Sangappa, National Executive Council member, ISTE, New Delhi was the guest of honour. In his speech, he stressed upon setting the goal and aiming for success in one's life. Dr. Mrintunjaya V Latte, Principal, JSS Academy of Technical Education presided over the function.

The convention was attended by more than 600 hundred students from various Engineering and Diploma colleges across the state & participated in many events and won the prizes. During the event best student of the ISTE chapter was awarded. Dr. D Mahesh Kumar, Convener of this program & HOD, Dept. of Electronics & Inst. Engineering welcome the gathering and Dr. D Jayadevappa, Prof., Dept. of Electronics & Inst. Engineering proposed the vote of thanks. All office bearers of ISTE and principals of various Engineering colleges were present for the program. Lunch was arranged to all. The program was concluded by prize distribution to winners of various events followed by cultural program. Dr. D Jayadevappa and Mrs. Bhanumathi K S have coordinated this program.











5. LECTURE

Lecture on How to write “Major and Minor Research Projects”

Department of Information Science & Engineering and Centre for Interdisciplinary Research have jointly organized the Capacity Building program on Major and Minor Research Projects. Objective of the this program is to promote excellence in research in higher education by supporting research program of JSSATE faculty in various disciplines.

Traditionally, universities have been the centers of research. Although, the Government has a network of Science and Technology laboratories for research and development, the major base of researchers in science and technology remains with the universities. Therefore, university and college teachers need to be supported to meet this requirement.

In view of this a half day seminar by **Dr. M V Vijayakumar** presently working as Professor and Research Coordinator, Department of Computer Science and Engineering, Dr. AIT, Bangalore was arranged on **10-01-2017**. Dr. MV Vijayakumar focused on several aspects of Research proposals and highlighted the case studies about Major and Minor Research Projects.

Dr. D.V. Ashoka, Professor, Department of ISE, has Introduced the speaker to the audians.

Principal Dr. Mrityunjaya V Latte, Deans, Heads of the departments and JSSATE faculty of various departments were present.



6. Capacity Building programme on Research & Development

"Capacity Building programme on Research & Development" was organized by the Department of chemistry for all the faculty members on 16-01-2017. Dr.K.G.Satyanarayana, former visiting professor, Federal University, Curitiba (PR, Brazil), Consulting Scientist and Honorary professor, Poornaprajna Institute for Scientific Research, Bengaluru was the speaker.

Dr. Mrityunjaya V Latte, Principal, JSSATE, Bengaluru, presided over the function. Dr. Mahesh B, Associate Professor & HOD, Chemistry, welcomed the gathering and introduced the speaker to the audience.

The first session was on Research methods and methodologies covering objectives of research, Motivation for Research, types of research and research approaches. Also discussions on research process, criteria and qualities of good research and ethics. The Speaker emphasized that research should be clear, complete and specific.

The second session was about writing research article - objectives, expected outcome, methods of management of research outputs, intellectual property rights and patents, innovation Vs invention, types of publication such as research paper, short communication, letters, review paper and conference proceedings, impact factor and H index.



7. Interaction between Industry and Institute for better opportunities

A lecture on “Interaction between Industry and Institute for better opportunities” was organized by department of chemistry for the faculty members on 01-02-2017. Sri.R.C.Jagadesh, Director, Global Competence Centre, Cement Industry, Klueber Lubrications India Private Limited, Bengaluru was the speaker. Dr. Mrityunjaya V Latte, Principal, JSSATE, Bengaluru, presided over the programme. Dr. Mahesh B, Associate Professor & HOD, Chemistry, welcomed the gathering and introduced the speaker to the audience.

The speaker has worked for a German company for over 28 years. He appreciated the Institute vision-mission statements, infrastructure and its maintenance. He stressed about personality development, ethical standards, excellence and innovation which are already in the institute vision-mission statements. He insisted that these statements should be realized and should not to be recognized just as statements. All these are necessary for an Institute to attract the industries for better opportunities. Vision alignment, intellectual property, reliability, value addition, problem solving ability and competency are the most important factors for the institute to evolve.



8. SYMPOSIUM AND CONFERENCE

3rd National conference on “Advancements in Information Technology”

With the blessing of “His Holiness Jagadguru Dr. Sri Shivarathri Rajendra Mahaswamijigalavaru” and with the blessing of “His Holiness Jagadguru Sri Shivarathri DeshikendraMahaswamijigalavaru”, Department of Information Science & Engineering has conducted 2 day National Conference on Advancements in Information Technology NCAIT-2017 on 19th & 20th May 2017.

The program began as scheduled on 19th May 2017 at 10.00 am in Seminar Hall-1. The program was inaugurated by Dr. Jayanna H.S, Professor, Siddaganga Institute of Technology, Tumkuru. Inauguration function was presided by Dr. Nagabhushana B., in-charge Principal & Dean Academics JSSATEB, in the presence of Dr. Chayadevi M L, HOD, ISE dept and Dr. D V Ashoka, Professor, ISE dept. Deans, Head of the Departments of Civil, CSE, ECE, Mech, IEM, E&IE, Mathematics, Physics, Chemistry, Jewellery with Section Heads of Administration, Accounts, Placements, Library, STEP, parents, Session Chairs and Judges from Industry & Academics were present at the inaugural event of NCAIT 2017. Total numbers of participants were more than 300 from various colleges like RVCE BMSCE, SJBIT, BNMIT, RNSIT, JIT, SIT and internal participant from ISE, ECE, CSE, E&I branches were present.



Pic1. NCAIT-2017 Inauguration by the Chief Guest Dr. Jayanna in the presence of dignitaries



Pic2. Key note delivery by Dr. Jayanna at NCAIT-2017, felicitation to Chief Guest by Dr. Nagabhushana B



Pic3. Paper presentation and Poster presentation by participants at NCAIT-2017



Pic4. Special Key note delivery by Prof. L.M Patnaik at NCAIT-2017



Pic5. Expert talk by Mr. Rajkanth; Project event- demonstration & evaluation at NCAIT-2017

International Conference on ICSIPCA- 2017

The International conference ICSIPCA- 2017 was jointly organized by the Department of Electronics and Communication Engineering and the Department of Electronics and Instrumentation Engineering, Bengaluru on 6th and 7th July 2017.

The first International Conference on Signal, Image Processing, Communication and Automation - (ICSIPCA- 2017) is a technical event sponsored by IEEE- Bengaluru section and supported by ISTE-Indian Society for Technical Education and IDES- Institute of Doctors, Engineers and Scientists.

The aim of this conference was to provide an interdisciplinary forum for Researchers, Engineers and Students to discuss and promote research and technology along with transfer of Information on Signal, Image Processing, Communication and Automation. This conference was focused on promoting, developing and organizing associations and networks of Academicians.

We had received a total 289 papers across India as well as from abroad. To name a few among them are - Russia, Uttar Pradesh, Gujarat, Maharashtra, Tamilnadu, Kerala, Hyderabad, Telangana and various parts of Karnataka.

After the review process, 184 papers were accepted. Out of which, 170 papers were registered.

The conference started with **Dr. M.V Latte, Principal**, JSSATE, Bengaluru welcoming the gathering. The inauguration was started with an invocation by Mr. Brugu Bharadwaj followed by lighting the lamp by **Honorable Sri Justice Subhash B Adi** and other dignitaries on the dias. The other dignitaries present during the inauguration were **Dr. K. Chidananda Gowda, Former Vice Chancellor**, Kuvempu University, **Dr. B. G. Sangameshwara, Vice Chancellor**, JSS S&TU, **Dr. Siva Reddy, IEEE Bengaluru Section**, **Dr. M.V Latte, Principal**, JSSATEB, **Dr. Aravind. H. S General Chair**, ICSIPCA 2017 and HOD, E&CE Dept, **Dr. D. Mahesh Kumar**, Technical Program Chair and HOD, E&IE Dept. The inauguration was concluded with Vote of Thanks by Dr. Siddesh G.K, Publication Chair, ICSIPCA-17.

Honorable Sri Justice Subhash B Adi, gave a glimpse on roles and responsibilities of engineers. He also appreciated the contributions of engineers and technocrats in the various domains to the society.

Dr. B. G. Sangameshwara, mentioned about the importance of research and development of new softwares and their usefulness for corporate and society. He also pointed out that the institution can be taken to greater heights by the involvement of the students in R&D and other developmental activities.

Dr. R V Siva Reddy, IEEE, Bengaluru Section spoke about quality to be maintained in research work so as to get it published in IEEE transactions and digital library.

Dr. K. Chidananda Gowda delivered a keynote address on “Signal, Image Processing, Communication and Automation”. He explored on the possible research areas in signal, image processing and computer vision. He explained the role of technology in common man’s life and highlighted the need for enhancement of general knowledge rather than bookish knowledge.



Fig. 1: Welcome speech by Dr. M V Latte, Principal, JSSATEB



Fig. 2: Report on “About the conference ICSIPCA-17” by Dr.H.S Aravind, General Chair & HOD, ECE.



Fig. 3: Dr. D Mahesh kumar, technical program chair & HOD E&IE, briefed about the technical aspects and introduced the Honorable Sri Justice Subhash B Adi



Fig. 4: Proceedings of the conference released by dignitaries



Fig. 5: Release of conference CD by dignitaries



Fig. 6: Inaugural speech by Honorable Sri Justice Subhash B Adi, Upa Lokayuktha, Bengaluru



Fig. 7: Dr. B. G. Sangameshwara, Vice-Chancellor, JSS S & TU, Mysuru, addressing the gathering



Fig. 8: Dr. Siva Reddy, IEEE, Bengaluru, addressing the gathering



Fig. 9: Presidential speech by Dr. K. Chidananda Gowda, Former Vice chancellor, Kuvempu University



Fig. 10: Valedictory function of the ICSIPCA-2017

9. DEPARTMENTS PROGRAMMES AND COLLEGE FEST

a. ADRISHT 2K17

The Post Graduate Department of Management Studies conducted its annual Management Fest – Adrisht 2k17 on 23rd and 24th March 2017. It is an Intercollegiate Fest which invites participants from other Management Institutions to take part in the competitive Events such as Best Manager, Marketing, HR, Finance, Business Quiz, Business Plan, Team Building and ISR Activities. The Fest was inaugurated at 10 AM on 23rd March in Seminar Hall -1 by the Chief Guest Mr. Vasudevanmurthy, CEO and MD of Finished Goods India Private Limited along with Principal In Charge Dr. Nagabhushana, Dean Academics and Head of the Department Dr. Suresh Naidu Boddu through Lamp Lighting. HOD delivered welcome address and the Chief Guest spoke about the important managerial qualities to be developed by the students in order to survive in the competitive world. The presidential address was delivered by Principal In Charge on behalf of Principal Dr. Mrityunjaya V Latte. The fest was based on the theme ‘Entourage’ which attracted 114 participants from 14 Institutions from Bangalore and Mysore who competed in 57 teams for various events. The Valedictory Function was organised in the evening on 24th March, 2017 where the Winners and Runners were presented with Trophies with cash prizes and a Champion Trophy. The Fest was concluded with Vote of Thanks by Mrs. Latha Mani. B, Assistant Professor and Coordinator of Adrisht 2k17.



Inauguration of Fest on 23rd March, 2017 at 10 am: From left to Right – Dr. Suresh Naidu Boddu, HOD, MBA, Mr. Vasudevanmurthy (CEO & MD of Finished Goods India Pvt Ltd), Chief Guest and Dr. Nagabhushana, Principal Incharge, Dean Academics, JSSATEB.



Lamp Lighting at the inauguration Function of Adrisht 2k17 23rd March 2017.



Chief Guest Mr. Vasudevanmurthy addressing the participants during the inaugural session

b. ANANTHAM

Dept. of E&IE, JSSATE, Bengaluru conducted ANANTHAM'17, which was a two days' technical fest of the department that is held every year. It was held on 5th & 6th of April 2017. The following is a brief report of the events that took place.

The **Inauguration** was held at 9:00AM. The Chief Guest for the programme was Dr. Subramani Ramakrishnan, Location Head, IBM, Chennai and Mrs. Vijayanthi S., Campus Programme Lead, IBM, Chennai. The programme was presided by the Principal Dr. Mrityunjaya V. Latte.

The inauguration was followed by the Technical events like Paper Presentation, Technical Quiz, Circuit Debugging, Colour Coding, Speak-A-Tech, C-Programming, Tech-Hunt, Tech Jam etc.

The events were judged by other department faculty experts in the related field. Prize money along with the certificates are given to all the winners of the events. There were more than fifty participants from various colleges.







c. VERVE-2017

The college cultural fest VERVE-2017 was inaugurated by chief guest Dr. Master Hirannaiah well known artist and play writer on 4th May 2017 at 6.30 PM in our college premises. On VERVE-17, Ph.D scholars, Rank holders and achievers in sports were felicitated by Dr. Master Hirannaiah. All the Deans, HOD's and section heads graced the occasion. Prof. D R Swamy, Dean research welcomed the gathering, Dr. Malini Patel , Associate Professor, Information Science & Engg. Read college report, Dr. Shashidhar R, Verve coordinator, read achievers in academics and Sports, Chief guest Dr. Master Hirannaiah made presidential address, Prof. M.V.Latte Principal address the gathering and Prof. Jagdeesh Prabhu, Dean student welfare presented vote of thanks. The inauguration of VERVE 17 was followed by a dance competition. On 5th and 6th May 2017, Fashion shown, prize distribution for both departmental sports achievers and VERVE cup winners and Mrs. Monali Thakur, Bollywood singer, live-in concert was held. Large no of students and public witness the whole program. Prior to Verve 17, on 22nd April, Ethnic day was celebrated and on 30th April, JSS ZK run was organized around 1500 students participated and the whole program was conducted in a successful manner.





10. ALUMNI MEET

Annual Alumni meet held on 20.05.2017, this programme was witnessed by all Teaching, Non-Teaching and Alumni Members

- a. The programme started with Invocation song by “Dwani” team of JSSATE
- b. **Welcome speech was rendered by Mr. B.S.Vikram – Placement Officer**
- c. **Chief Guest Speech – Mr. V S Sridhar – MD, Sesha Tools Pvt. Ltd., Bangalore**

He explained more about how he evolved as an engineer and started in own company in the area of tool and dye making and grown to a extent where he is empowering students from rural background to learn and find joy in engineering. He gave a call to all students and faculty members to learn and love engineering.

- d. **Guest of Honor – Dr. T.R. Ponnaiah, High Tech Solutions, Bangalore**

He recalled in college days and threw light on how they as alumni are involved in activities and contributing towards their alma matter. He praised the commitment of JSS Group towards education and swamiji’s selfless service towards all class of people in the society.

- e. **Speech by Principal – Dr. Mrityunjaya V Latte**

He expressed his gratitude and thanked the Chief Guest and Guest Honor for having accepted the invitation for Inaugurating the Annual Alumni Meet 2017. He expressed that all alumni activities will be supported in building a brand name among the corporate world and encouraging entrepreneurs among the bunch of talent pool year on year.

He also called for having a Common Date to celebrate this reunion every year so as to strengthen the alumni network over the years.

- f. **Vote of Thanks: Mr. Prabhushankar, Asst. Professor, Dept. of IEM**

Thanked the Chief Guest and Guest of Honor for accepting the invite to be part of the function followed by all the dignitaries on & off the dais, ALUMNI, Teaching & Non-teaching staff and all student coordinators.



11. AWARDS

PROJECT

Karnataka State Council for Science and Technology (KSCST), awarded “*Best Project (Engineering) of the Year 2015-16*” for the project entitled “Development of Soil Loosening Equipment for Medium and Large Sized Fields of Sugarcane”. This project was executed by students of Mechanical Engineering Department, JSS Academy of Technical Education, Bangalore. Mr. Monish Chavan R, Mr. Shreyas.B.R, Mr. Sumanth.S and Mr. Rajesh Raghavan.B under the guidance of Dr. B.V.Raghavendra, Associate Professor Department of Mechanical Engineering have won the prize.



PH.D. AWARDS

a. **Dr. Nataraju.K.M.**, Assistant Professor, Department of Mechanical Engineering was awarded Ph.D. from Visvesvaraya Technological University, Belgaum in Mechanical Engineering on 21.01.2017.

Thesis Title: Experimental investigation on the performance & emission characteristics of Bio – Diesel gaseous fueled dual fuel engine.

b. **Dr. Chayadevi. M.L.**, Associate Professor & Head Department of Information Science & Engineering was awarded Ph.D from Visvesvaraya Technological University, Belgaum in CSE on 21.01.2017.

Thesis Title: Knowledge Discovery from Medical Image Databases: Detection and Classification of TB and MP Smear Images with their Performance Evaluation

c. **Dr. S.T. Veerabhadrapa**, Associate Professor, Department of Electronics & Communication Engineering was awarded Ph.D from Indian Institute of Technology Delhi, New Delhi in Electronics & Communication Engineering on 25.10.2016.

Thesis Title: Assessment of Autonomic Response and Haemodynamic parameters using Heart rate Variability and pulse signals.

d. **Dr. P.M. Shivakumaraswamy**, Associate Professor, Department of Electronics & Communication Engineering was awarded Ph.D from Anna University, Chennai in Electronics & Communication Engineering on 22.02.2017.

Thesis Title: Denoising Synthetic Aperture Radar Images using improved Thresholding Techniques in the Curvelet Domain.

e. **Dr. Prashantha. B.G.**, Assistant professor Department of Industrial Engineering & Management was awarded Ph.D from Visvesvaraya Technological University, Belagavi in Mechanical Engineering Sciences on 22.03.2017

Thesis Title: Design and Analysis Stack Based Thermoacoustic Refrigerator.

f. **Dr. V.M. Siddalingaswamy**, Assistant professor Department of Mathematics was awarded Ph.D from Visvesvaraya Technological University, Belagavi in Mathematics on 03.07.2017.

Thesis Title: Contributions to the Theory of Signed Graphs.



a. Dr. Nataraju.K.M



b. Dr. Chayadevi. M.L.



c. Dr. S.T. Veerabhadrapa



d. Dr. P.M. Shivakumaraswamy




e. Dr. Prashantha. B.G



f. Dr. V.M. Siddalingaswamy









12. RANKS

JSS ATE, Bengaluru has won 9 VTU ranks in the 2015-16 academic year. The details are as follows



JSS MAHAVIDYAPEETHA
JSS ACADEMY OF TECHNICAL EDUCATION
BENGALURU – 560 060

HEARTIEST CONGRATULATIONS TO VTU RANK HOLDERS - 2015-16

<p>Adithya Rangan C.K. M.Tech. VLSI Design & Embedded Systems 1st Rank Gold Medalist</p> 	<p>Somesh Singh M.Tech. Product Design & Manufacturing 1st Rank Gold Medalist</p> 	<p>Prashanth H.K. M.Tech. Thermal Engineering 3rd Rank</p> 
<p>Aishwarya. B.R B.E., Industrial Engineering & Management 5th Rank</p> 	<p>Pooja Ravi B.E., Industrial Engineering & Management 7th Rank</p> 	<p>Chirag S.K. B.E., Industrial Engineering & Management 9th Rank</p> 
<p>Manoj Kumar. S B.E., Mechanical Engineering 2nd Rank</p> 	<p>Shreyaa G. Prasad B.E., Instrumentation Technology 3rd Rank</p> 	<p>Pragathi. V.B B.E., Instrumentation Technology 10th Rank</p> 