

2016-17

1. Mr.Akshay Acharya, Ms. Bhavana, Ms. Ganga Gamana have qualified in **GATE 2017**.
2. **Maneeshi Shetty, Candida M.F., Suraksha P., Nireeksha Karkera** presented paper titled **"Production of eco friendly adhesive from jackfruit seed"** in national level **Conference on Recent Advances in Chemical, Biochemical and Environmental Engineering (RACBEE-2016)** held at SDM College of Engineering & Technology, Dharwad on **October 1st 2016**.Project was guided by **Mr.Vinayaka B. Shet**, Assistant professor Department of Biotechnology Engineering, **Mr.Karthik Hegde** (Maxibond Bangalore) and **Dr.C.Vaman Rao** Professor and Head Department of Biotechnology Engineering.
3. **Varun C., Aishwarya,Anusha M. Palan, Shama U. Rao** presented paper titled **"Modelling of microwave assisted coconut leaf acid hydrolysis pre-treatment process for maximum release of reducing sugars "** in national level **Conference on Recent Advances in Chemical, Biochemical and Environmental Engineering (RACBEE-2016)** held at SDM College of Engineering & Technology, Dharwad on **October 1st 2016**.Project was guided by **Mr.Vinayaka B. Shet**, Assistant professor Department of Biotechnology Engineering and **Dr.C.Vaman Rao** Professor and Head Department of Biotechnology Engineering.
4. **Pranita A D'Souza, Shubashree C. Rao, Priyanka A.Naik , Saujanya Vyas, Anusha M. Palan, Belrin Cornelio** presented paper titled **"Production of fermented fruit juice using unconventional seasonal fruits through batch fermentation"** in national level **Conference on Recent Advances in Chemical, Biochemical and Environmental Engineering (RACBEE-2016)** held at SDM College of Engineering & Technology, Dharwad on **October 1st 2016**.Project was guided by **Mr.Vinayaka B. Shet**, Assistant professor Department of Biotechnology Engineering and **Dr.C.Vaman Rao** Professor and Head Department of Biotechnology Engineering.
5. **Aishwarya J., Megha B.S., Shwetha, Supriya Naik** presented paper titled **"Waste water treatment using shells of marine source"** in national level **Conference on Recent Advances in Chemical, Biochemical and Environmental Engineering (RACBEE-2016)** held at SDM College of Engineering & Technology, Dharwad on **October 1st 2016**.Project was guided by **Dr.Anil Kumar H.S.**, Associate professor Department of Biotechnology Engineering.
6. **Ganga Gamana,Melita Rashmi Rebello,Sulakshana Pai** presented paper titled **"Conversion of waste paper into useful bio-products"** in national level **Conference on Recent Advances in Chemical, Biochemical and Environmental Engineering (RACBEE-2016)** held at SDM College of Engineering & Technology, Dharwad on **October 1st 2016**.Project was guided by

Dr.Anil Kumar H.S., Associate professor Department of Biotechnology Engineering.

7. **Ms Madhushree, Ms Maneesha Shetty, Ms Shravya B.V and Ms Shruthi N Mallya** of V semester were awarded **First Prize** for paper presentation on "**Value added bioproducts from waste paper**" at **National Conference and Technical Fest (NCETERM-2016)** organized by G.M Institute of Technology, Davangere on 23rd and 24th Sept 2016. Guided by **Dr Anil Kumar H.S** Associate Professor, Department of Biotechnology Engineering.

2015-16

PG Student Achievement

1. **Shishir R. K, M.Tech. (Industrial Biotechnology)** 1st semester, Presented poster titled "**Optimization of Pretreatment of Cocoa Pod Shells for Release of Sugars**" at **International Conference on Advances in Chemical Engineering** held at **N.I.T.K surathkal**, from Dec 20th -22nd 2015. Guided by **Mr.Sandesh K** Assistant professor, Department of Biotechnology Engineering and **Dr.C.Vaman Rao** Professor and Head Department of Biotechnology Engineering.

UG Student Achievement

8. **Ms. Aisha Siddik, Mr.Vishwas Shetty, Ms.Rakshith K.G. and Ms. Nisha Shetty** presented paper titled "**Microwave assisted optimization for releasing fermentable sugar and production of bioethanol from cocoa pod shell**" in state level project seminar held at "**39th Series of Student Project Programme (Biofuel /Bioenergy)State Level Seminar and Exhibition**" at BLDEA'S V P Dr. P G Halaktti College of Engineering and Technology, Vijayapura (Bijapur) on August 19th and 20th 2016. Project was guided by **Mr.Vinayaka B.Shet**, Assistant professor Department of Biotechnology Engineering and **Dr.C.Vaman Rao** Professor and Head Department of Biotechnology Engineering.
9. **Ms.Sana Amin, Ms. Harshakiran and Ms. Anju** presented paper on "Production of Bio-Butanol from Saccharum spontaneum" in state level project seminar held at "**39th Series of Student Project Programme (Biofuel /Bioenergy)State Level Seminar and Exhibition**" at BLDEA'S V P Dr. P G Halaktti College of Engineering and Technology, Vijayapura (Bijapur) on August 19th and 20th 2016. Project was guided by **Mr.Sandesh K.**, Assistant professor Department of Biotechnology Engineering and **Dr.C.Vaman Rao** Professor and Head Department of Biotechnology Engineering.
10. **Sanjana P Rao** and **Revati** of 8th semester has qualified in **GATE 2016**.

11. **Pranita Dsouza, Priyanka A. Naik, Shubhashree C. Rao** presented poster titled **"Fermented fruit juice production"** at **National workshop cum 5th national conference of SIMA on Policy and legal protection for traditional knowledge ethno medicine recommendations and action plan** held in Vivekananda college, Puttur from **Feb 6th -8th 2016**. Guided by **Mr.Vinayaka B.Shet**, Assistant professor Department of Biotechnology Engineering and **Dr.C.Vaman Rao** Professor and Head Department of Biotechnology Engineering.
12. **Chandrika Tantri, Shreedhanya, Sowjanya Poojari** presented poster on **"A Novel Approach for Bioethanol Production from Non-edible Oil Seed Cake Co-fermentation with Rhizobium sp. and Saccharomyces Cerevisiae"** at **International Conference on Advances in Chemical Engineering held at N.I.T.K surathkal , from Dec 20th -22nd 2015** and won the **second prize**. Guided by **Dr.C.Vaman Rao** Professor and Head Department of Biotechnology Engineering and **Mr.Venkatesh Kamath**, Assistant professor Department of Biotechnology Engineering.
13. **Melita Rashmi Rebello, Sulakshana Pai, Swathy S, Ganga gamana, Rashmitha and Nikshitha** presented poster on **"Conversion of waste paper into useful bioproducts"** at **International Conference on Advances in Chemical Engineering held at N.I.T.K surathkal , from Dec 20th -22nd 2015**. Guided by **Dr.Anil Kumar H.S**, Associate professor, Department of Biotechnology Engineering.
14. **Pranita Dsouza, Priyanka A. Naik, Shubhashree C. Rao, Saujanya V., Anusha M. Palan, Berlin Cornelio** presented poster on **"Fermented fruit juice production"** at **International Conference on Advances in Chemical Engineering held at N.I.T.K surathkal , from Dec 20th -22nd 2015**. Guided by **Mr.Vinayaka B.Shet**, Assistant professor Department of Biotechnology Engineering and **Dr.C.Vaman Rao** Professor and Head Department of Biotechnology Engineering.
15. **Ms. Rakshith K.G.** of final year has won **First place** in **IDEA CONTEST 2015- SOUTH INDIA LEVEL CONTEST** titled "Think India Transform India" - A business proposal competition organized by **"We school, Bengaluru"** in association with 'New Age Incubation Network(NAIN)' club of NMAMIT, Under the guidance of **Dr. C. Vaman Rao, Professor & Head** and **Mr. Vinayaka B. Shet, Assistant Professor**.
16. **Ms. Jane Maureen, Ms. Ragini Ashok** and **Ms. Saharika Singh** of VII semester were selected for Entrepreneurship workshop conducted by Association of Biotechnology Led Enterprises (ABLE)-BEST India 2015 sponsored by Dept. of Biotechnology, Ministry of Science and Technology, Govt. of India on 31st Oct – 3rd Nov 2015 held at Bengaluru. Their final year project titled "Development of Bioadsorbents for the Removal of Toxicants from Contaminated Water" was selected for presentation. This project is guided by **Dr. C. Vaman Rao**, Professor & Head and **Dr. Anilkumar H. S**, Associate Professor.

Faculty achievements

1. **Dr. C. Vaman Rao**, Professor and Head, Department of Biotechnology Engineering
Published paper titled "Bioremediation of Zn, Cu, Mg and Pb in fresh domestic sewage by *Brevibacterium* sp." In International Journal of Environmental Research, 2016, 10(1): 139 - 148 (IF:1.1), co authored by Samson Olakunle Ojoawo, **Louella Concepta Goveas**.

2. **Mrs. Louella Concepta Goveas**, Assistant professor, Department of Biotechnology Engineering

Published research paper titled "**Extraction and purification of lipase from *Enterococcus faecium* MTCC5695 by PEG/Phosphate Aqueous-Two Phase System (ATPS) and its biochemical characterization,**" in Biocatalysis and Agricultural Biotechnology, 2016, co authored by Vrinda Ramakrishnan, Niranjana Suralikerimath, Chandrashekar Jampani, Prakash M Halami, Bhaskar Narayan, (doi: [10.1016/j.bcab.2016.02.005](https://doi.org/10.1016/j.bcab.2016.02.005), IF: 0.901).

3. **Mr. Vinayaka B. Shet**, Assistant professor, Department of Biotechnology Engineering

Presented research paper titled "**Optimization of Na₂CO₃ pre-treatment by RSM approach for releasing reducing sugars from cocoa pod shells**" at *International Conference on Advances in Chemical Engineering held at N.I.T.K surathkal, from Dec 20th -22nd 2015.*

Co authored by: **Nisha, Manasa Bhat, Manasa, Leah Natasha S. Mascarenhas, Louella C. Goveasa** Assistant prof. Department of Biotechnology engineering NMAMIT, **C. Vaman Rao** Professor and Head Department of Biotechnology engineering, NMAMIT, **Ujwal. P** Professor Department of Biotechnology engineering, NMAMIT Nitte.

4. **Dr. Shyamprasad Sajankila**, Associate professor, Department of Biotechnology Engineering

Presented research paper titled "**Effect of blending traditionally synthesized carbon nanoparticles with biodiesel on engine performance**" at *International Conference on Advances in Chemical Engineering held at N.I.T.K surathkal, from Dec 20th -22nd 2015.*

Co authored by: **Vinayaka B Shet** Assistant prof. Department of Biotechnology engineering NMAMIT, Keshava Joshi Assistant professor, Department of Chemical Engineering, SDM CET, Lokeshwari N. Assistant professor, Department of Chemical Engineering, SDM CET Dharwad.

5. **Mrs. Sneha Nayak**, Assistant professor, Department of Biotechnology Engineering

Presented research paper titled "**Biosynthesis of silver nanoparticles using turmeric extract and evaluation of its anti-bacterial activity and catalytic reduction**" at *International Conference on Advances in Chemical Engineering* held at *N.I.T.K surathkal*, from Dec 20th -22nd 2015.

Co authored by: **Louella C Goveas**, Assistant prof. Department of Biotechnology engineering **C. Vaman Rao** Professor and Head Department of Biotechnology engineering, NMAMIT.

6. **Mr. Sandesh**, Assistant professor, Department of Biotechnology Engineering

Presented research paper titled "**Design and fabrication of miniature bubble column bioreactor for plant cell culture**" at *International Conference on Advances in Chemical Engineering* held at *N.I.T.K surathkal*, from Dec 20th - 22nd 2015.

Co authored by: **Ujwal P.** Professor Department of Biotechnology engineering, NMAMIT, **Blecita D. Mascarenhasa**, **Gayatri Dhamannavara**, **Narmada Kumara**, **Dakshayini**

2014-15

1. **Ms. Aparna Mohan**, **Ms. Sanjana Chiplunkar**, **Ms. Shiny Martis** and **Ms. Sandhya Kamath**, of Final year have won **First prize** with a cash award of **Rs. 50,000** and a **Shield** for their project presentation on "**Microbial bioremediation of effluents**" at a **National level competition** organized by "**Joy of Engineering Design and Innovation (JED-I)**" in association with **Indian Institute of Science**, Bengaluru, held on **22nd June 2015** at Bengaluru. The research project was carried out under the guidance of **Dr. C. Vaman Rao**, **Professor & Head** and **Ms. Louella Concepta Goveas**, **Assistant Professor**.
2. **Sumedha Bhat**, **Arpita G Shetty & Shwetha** - First place in Paper Presentation on the Topic "**A Novel Strategy for Bioremediation of Pharmaceuticals Effluents**", with a cash prize of **Rs.3000** organized by **SRISHTI-2015** organized by Akhil Bharatiya Vidyarthi Parishad (ABVP) Karnataka, held at New Horizon College of Engineering, Bengaluru, on May 1st, 2nd and 3rd, 2015. The project was carried out under the guidance of **Dr. Ujwal P**, Professor and **Dr. C. Vaman Rao**, Prof. & Head.
3. **Shiny Martis B**, **Sandhya Kamath**, **Aparna K Mohan & Sanjana Chiplunkar** - third place in Project Exhibition with the project title "**Microbial Bioremediation of Effluents**", with a cash prize of **Rs.6000**. organized by **SRISHTI-2015** organized by Akhil Bharatiya Vidyarthi Parishad (ABVP)

Karnataka, held at New Horizon College of Engineering, Bengaluru, on May 1st, 2nd and 3rd, 2015. The project was guided by **Dr. C. Vaman Rao**, Prof. & Head **Ms. Louella Concepta Goveas**, Asst. Professor.

4. **Ms. Sanjana Chiplunkar, Ms. Sandhya Kamath, Ms. Shiny Martis, and Ms. Aparna Mohan** of VIII semester presented a project titled "**Microbial Bioremediation of Effluents**" organized by RUSI Award programme conducted by Rotary Bangalore Udyog on 2nd May, 2015, at KASSIA Udyog Bhavan, Vijaynagar, Bangalore. The project was guided by **Dr. C. Vaman Rao**, Prof. & Head **Ms. Louella Concepta Goveas**, Asst. Professor.
5. **Ms. Shiny Martis, Ms. Sanjana Chiplunkar, Ms. Aparna Mohan and Ms. Sandhya Kamath** of VIII semester for winning **First prize** in paper presentation on "**Interaction of *Brevibacterium sp* (MTCC10313) with heavy metals and MIC studies**" at "**SYMBIOT 15**" a National level Symposium organized by **Dept. of Biotechnology, Manipal Institute of Technology in collaboration with Institute of engineers-Biotechnology Chapter** on April 2nd 2015. The project was guided by **Dr. C. Vaman Rao**, Prof. & Head **Ms. Louella Concepta Goveas**, Asst. Professor.
6. **Sumedha Bhat, Arpita G Shetty, Shwetha** of VIII semester for winning **First prize** in poster presentation on "**A Novel Bioremediation Approach from *Diplococcus Sp.* Isolated from Ginger**" at "**SYMBIOT 15**" a National level Symposium organized by **Dept. of Biotechnology, Manipal Institute of Technology in collaboration with Institute of engineers-Biotechnology Chapter** on April 2nd 2015. The project was guided by **Dr. Ujwal P**, Professor and **Dr. C. Vaman Rao**, Prof. & Head.
7. **Nisha, Leah Natasha S. Mascarenhas, Manasa Bhat and Maanasa**, of VIII semester presented a poster titled "**Optimization of Bioprocess for The Production of Bioethanol from Cocoa Pod Shells**" at "**SYMBIOT 15**" a National level Symposium organized by **Dept. of Biotechnology, Manipal Institute of Technology in collaboration with Institute of engineers-Biotechnology Chapter** on April 2nd 2015. The project was guided by Mr. Vinayaka B Shet, Asst. Professor and **Dr. C. Vaman Rao**, Prof. & Head.
8. **Ms. Sandhya Kamath, Ms. Shiny Martis, Ms. Sanjana Chiplunkar and Ms. Aparna Mohan** of VIII semester presented a poster titled "***Brevibacterium sp.* (MTCC10313): A potential super bug for bioremediation of oil spills in water**" at "**SYMBIOT 15**" a National level Symposium organized by **Dept. of Biotechnology, Manipal Institute of Technology in collaboration with Institute of engineers-Biotechnology Chapter** on April 2nd 2015. The project was guided by **Dr. C. Vaman Rao**, Prof. & Head **Ms. Louella Concepta Goveas**, Asst. Professor.
9. **Ms. Sanjana Chiplunkar, Ms. Sandhya Kamath, Ms. Shiny Martis, and Ms. Aparna Mohan** of VIII semester presented a poster titled "***Brevibacterium sp.* (MTCC10313): A potential agent for bioremediation of heavy metals from effluents**" at "**SYMBIOT 15**" a National level Symposium organized by **Dept. of Biotechnology, Manipal Institute of Technology in collaboration with Institute of engineers-Biotechnology Chapter** on April 2nd 2015. The project

was guided by **Dr. C. Vaman Rao**, Prof. & Head **Ms. Louella Concepta Goveas**, Asst. Professor.

10. **Ms. Shiny Martis, Ms. Sanjana Chiplunkar, Ms. Snadhya Kamath, Ms. Aparna Mohan** of VIII semester for winning **First prize** in Biotechnology Session of paper presentation on **“Biochemical characterization of surfactants produced by Brevibacterium sp. (MTCC 10313) under stress conditions”** at a **International Conference on New Frontiers in Chemical, Energy and Environmental Engineering (INCEEE-2015)**, held on **20-21 March, 2015** organized by **National Institute of Technology, Warangal - 506 004, Telangana, India**. The project was carried out under the guidance of **Dr. C. Vaman Rao**, Professor & Head and **Ms. Louella Concepta Goveas**, Asst. Professor.
11. **Ms. Sneha Nayak, Asst. Professor** did a poster presentation on **“Optimization of Silver Nanoparticles Biosynthesis from *Santalum Album* Leaf Extract”** at a **International Conference on New Frontiers in Chemical, Energy and Environmental Engineering (INCEEE-2015)**, held on **20-21 March, 2015** organized by **National Institute of Technology, Warangal - 506 004, Telangana, India**. The topic was from the final year project of **Ms. Paridhi Damle** and **Ms. Deeksha Hegde** carried out under the guidance of **Dr. C. Vaman Rao**, Professor & Head and **Ms. Sneha Nayak**.
12. **Ms. Alvita Mathias, Mr. Geen, Ms. Preetha Shenoy** and **Ms. Shiny Martis** have been qualified in **GATE-2015**.
13. **Ms. Sanjana Chiplunkar, Ms. Snadhya Kamath, Ms. Aparna Mohan** and **Ms. Shiny Martis** of VIII semester **won First prize** for poster presentation, under the guidance of **Dr. C Vaman Rao, Professor & Head** and **Ms. Louella C. Goveas**, Asst. Professor, on **“Comparison of Growth Kinetics of Brevibacterium sp. (MTCC10313) used for Heavy Metal Remediation of Effluents”** at a National Conference on **“Advances in Environmental Biotechnology for Sustainability”** in association with Karnataka State Pollution Control Board held on **6-7th Feb 2015** organized by Dept. of Biotechnology, Alva's College, Moodabidri.
14. **Ms. Snadhya Kamath, Ms. Aparna Mohan, Ms. Sanjana Chiplunkar**, and **Ms. Shiny Martis** of VIII semester presented a poster on **“Bioremediation of crude oil by Brevibacterium sp. (MTCC10313)”** at an **“International Conference on Water: From Pollution to Purification”** held from **Jan 23rd – 26th 2015** at School of Environmental Sciences, Mahatma Gandhi University, Kottayam. The topic presented is from the final year project work carried out by the students under the guidance of **Dr. C. Vaman Rao, Professor & Head** and **Ms. Louella Concepta Goveas**, Assistant Professor.
15. **Mrs. Dakshayini, Research scholar** has presented poster on **“Invitropropagation and isolation of secondary metabolites from *Cichorium intybus*”** at National symposium on **“Biotechnology and molecular biology for industry & common man”** held at **St Aloysius college, Mangalore** from **January 29th to 31st 2015**, under the guidance of **Dr. C Vaman Rao** Professor & Head & **Dr. Ujwal P.** Associate Professor.

16. **Ms. Shiny Martis Ms. Sanjana Chiplunkar, Ms. Snadhya Kamath, and Ms. Aparna Mohan** of VIII semester **won 3rd prize** for poster presentation on **“Bioremediation of lead by Brevibacterium sp.(MTCC10313)”** at an “International Conference on Water: From Pollution to Purification” held from Jan 23rd – 26th 2015 at School of Environmental Sciences, Mahatma Gandhi University, Kottayam. The topic presented is from the final year project work carried out by the students under the guidance of **Dr. C. Vaman Rao, Professor & Head and Ms. Louella Concepta Goveas**, Assistant Professor.
17. **Research paper** has been published by **Dakshayini, Ujwal P** titled “RP HPLC analysis for coumarin content in Cichorium Intybus-An important medicinal plant”. In International journal of pharma and bioscience.(2014):Pages 640-646

Ms. Aparna K. Mohan and **Ms. Sandhya Kamath** of current 7th semester (academic year 2014-15) were selected for **Indian National Science Academy sponsored summer research fellowship-2014**. For the duration of **2 months** with a fellowship of Rs 8000/- per month.

- I. **Ms. Aparna K. Mohan** carried out her research work at **Indian Institute of Science , Bangalore** in the department of Material engineering under the guidance of Dr. A.K Natarajan on the topic **“Studies on interaction of Bacillus megaterium with hematite and corundum”**.
- II. **Ms. Sandhya Kamath** carried out her research work at **CSIR- National chemical laboratory, Pune** in the department of chemical engineering and process development under the guidance of Dr. Ram Rup Sarkar on the topic **“Study of metabolic pathway involved in Glioma”**

2013-14

1. A paper on **Insilico virtual screening of anti-epileptic molecules to inhibit AMPA** was presented by Mr. Karthik Hegde, Ms. Jyotsna Pais and Ms. Akshaya Poonja of VII semester under the guidance of **Mr. Bharath B. R**, secured **First place** in **ISTE sponsored Tathva-13**, a State level Tech festival organized by PA College Engineering, Mangalore on 29th Oct 2013 and at National Technical festival **Eximus 2.0** organized by Sahyadri Engineering College, Mangalore on 8th Nov 2013 secured **First Place**.
2. A poster on **Metabolically engineered E.coli for the production of biofuel an insilico approach** was presented by Mr. Karthik Hegde, Ms. Jyotsna Pais and Ms. Akshaya Poonja of VII semester under the guidance of **Mr. Bharath B. R**, at **ISTE sponsored Tathva-13**, a State level Tech festival organized by PA College Engineering, Mangalore on 29th Oct 2013 and at **IIT Madras** on 9th Jan 10th Jan **Shastra** 2014 secured **Second Place**.

2012-13

KSCST funded final year student research projects:

Production of bioethanol from pressed oil cakes using *Pichia sp.*, Yolinda Prafulla M., Rashmi B. P., Sherwin A., Andhari Deepika, under the guidance of **Dr. C. Vaman Rao**.

2011-12

1. A paper on **Optimization of growth parameters of *Pichia pastoris* by shake flask and lab scale fermenter** was presented by Hfisa and Alka Purushotham of VII semester, secured **First place** in **Tech-Nidharshan**, a National level Tech festival organized by NMAM Institute of Technology, Nitte on 3rd Nov – 5th Nov 2011.
2. A paper on **Enzymatic hydrolysis of oligosaccharides present in legumes** was presented by Swapna Bhat and Shreelakshmi of VII semester, secured **Second place** in **Tech-Nidharshan**, a National level Tech festival organized by NMAM Institute of Technology, Nitte on 3rd Nov – 5th Nov 2011.
3. A poster on **Use of biosurfactants for the biodegradation of Endosulfan** was presented by Anusha Prabhu B and Keerthana S of VII semester, secured **First place** in **Tech-Nidharshan**, a National level Tech festival organized by NMAM Institute of Technology, Nitte on 3rd Nov – 5th Nov 2011.
4. A poster on **“Production of Biogas from Biological waste”** was presented by Jyothsna and Sushmitha Sudeep of VII semester, secured **Second place** in **Tech-Nidharshan**, a National level Tech festival organized by NMAM Institute of Technology, Nitte on 3rd Nov – 5th Nov 2011.
5. A poster on **“Hydrolysis of Oligosaccharides in Legumes using Fungi”** was presented by Swapna Bhat, Shree lakshmi, Shwetha Kotian and Shraddha Achar of VIII semester, secured **First place** in **“Chemovation”** a National Level Symposium organized by Chemical Engineering Department of Dayananda Sagar College of Engineering-Bangalore on March 5th – 6th 2012. The project was carried out under the guidance of **Mr. Anilkumar H. S**, Lecturer.
6. A poster on **“Protective Effects Of Herbal Drugs Against Hydrogen Peroxide Induced Oxidative Damage On DNA And Erythrocyte Ghost Membrane Protein”** presented by Jyothsna, Nishmitha S.N. , Sushmitha S., Santhosh Poojary of VIII semester in **“Chemovation”** a National Level Symposium organized by Chemical Engineering Department of Dayananda Sagar College of Engineering-Bangalore on March 5th – 6th 2012. The project was carried out under the guidance of **Dr. Vidya S.M.**, Senior Lecturer.
7. A paper on **“Feasibility study of biodiesel production from novel feedstock”** was presented by Mr. Santhosh Poojary of VIII semester at **“SYMBIOT 12”** a National level Symposium organized by Dept. of Biotechnology, Manipal Institute of Technology in collaboration with Institute of engineers-Biotechnology Chapter on April 14th 2012. The project was guided by **Mr. Venkatesh Kamath**, Sr. Lecturer.
8. A paper on **“Algal bioconversion of biodiesel byproduct-glycerol to value added products”** was presented by Ms. Alka Purushotham and Ms. Sneha G. Nair of VIII semester at **“SYMBIOT 12”** a National level Symposium organized by Dept. of Biotechnology, Manipal Institute of Technology in collaboration with Institute of engineers-Biotechnology Chapter on April 14th 2012. The project was guided by **Mr. Venkatesh Kamath**, Sr. Lecturer.
9. A paper on **“Exploration of production of hyaluronic acid from *Lactobacillus spp.* Isolated from solid waste”** was presented by Ms.Apporva Dinesh Rao and

- Ms. Namratha K of VIII semester at **"SYMBIOT 12"** a National level Symposium organized by Dept. of Biotechnology, Manipal Institute of Technology in collaboration with Institute of engineers-Biotechnology Chapter on April 14th 2012. The project was guided by **Mr. Chethan D. M**, Sr. Lecturer.
10. A paper on **"Evaluation of anti-oxidant activity of *Phyllanthus reticulatus*"** was presented by Ms. Soumya Keshav and Ms. Melissa D'Silva of VIII semester at **"SYMBIOT 12"** a National level Symposium organized by Dept. of Biotechnology, Manipal Institute of Technology in collaboration with Institute of engineers-Biotechnology Chapter on April 14th 2012. The project was guided by **Dr. Vidya S. M.**, Sr. Lecturer.
 11. A paper on **"Production of bioethanol from agricultural lignocellulosic residues using *Pichia fermentis*"** was presented by Ms. Savitha V. N. and Ms. Karishma Rao of VIII semester at **"SYMBIOT 12"** a National level Symposium organized by Dept. of Biotechnology, Manipal Institute of Technology in collaboration with Institute of engineers-Biotechnology Chapter on April 14th 2012. The project was guided by **Dr. C. Vaman Rao**, Professor and Head.
 12. A paper on **"Environmental impact assessment of heavy metal concentration on soil and water around thermal plant"** was presented by Mr. Shreyas Aithal and Mr. Vijayendra Shenoy of VIII semester at **"SYMBIOT 12"** a National level Symposium organized by Dept. of Biotechnology, Manipal Institute of Technology in collaboration with Institute of engineers-Biotechnology Chapter on April 14th 2012. The project was guided by **Dr. Ujwal, P.**, Assistant Professor.
 13. A paper on **"Biosurfactants: an alternative to synthetic surfactants and their production from solid waste bacteria"** was presented by Ms. Anusha Prabhu and Keerthana S of VIII semester at **"SYMBIOT 12"** a National level Symposium organized by Dept. of Biotechnology, Manipal Institute of Technology in collaboration with Institute of engineers-Biotechnology Chapter on April 14th 2012. The project was guided by **Mr. Chethan D. M**, Sr. Lecturer.
 14. A poster on **"Comparative study on algal fermentation of glucose and Pongamia oil cake for the production of lipid"** was presented by Ms. Kripa M Soans and Ms. Vanessa M Aranha of VIII semester at **"SYMBIOT 12"** a National level Symposium organized by Dept. of Biotechnology, Manipal Institute of Technology in collaboration with Institute of engineers-Biotechnology Chapter on April 14th 2012. The project was guided by **Mr. Venkatesh Kamath**, Senior Lecturer.
 15. A poster on **"Efficacy of bioethanol production from underutilized agricultural lignocellulosic residues using *Pichia pastoris*"** was presented by Ms. Hafsa Ibrahim and Ms. Harshitha Shetty of VIII semester, secured **First place** in **"SYMBIOT 12"** a National level Symposium organized by Dept. of Biotechnology, Manipal Institute of Technology in collaboration with Institute of engineers-Biotechnology Chapter on April 14th 2012. The project was guided by **Dr. C. Vaman Rao**, Prof. & Head.
 16. A poster on **"Feasibility study on production of hyaluronic acid from solid waste microbes"** was presented by Ms. Taskeen Salim Shedde and Mr. Harshith B. Shetty of VIII semester, secured **Second** in **"SYMBIOT 12"** a National level Symposium organized by Dept. of Biotechnology, Manipal Institute of Technology in collaboration with Institute of engineers-Biotechnology Chapter on April 14th 2012. The project was guided by **Mr. Chethan D. M.**, Senior Lecturer

17. Presented a research paper titled **"Bioethanol production from agricultural lignocellulosic residues using *Pichia spp.*"** carried out under the guidance of **Dr. C. Vaman Rao, Professor & Head** in the Dept. of Biotechnology Engineering was presented by **Ms. Savitha V. N and Ms. Karishma Rao** of VIII Semester at **"SRISHTI" 2012** (May 12th -14th 2012) **organized by ABVP at Sahyadri College of Engineering, Mangalore, was awarded "Third Prize"**.
18. Presented a research paper titled **"Algal bioconversion of byproducts of biodiesel to value added products"** carried out under the guidance of **Mr. Venkatesh Kamath, Sr. Lecturer** in the Dept. of Biotechnology Engineering was presented by **Ms. Alka Purushotham and Ms. Vanessa Maria** of VIII Semester at **"SRISHTI" 2012** (May 12th -14th 2012) **organized by ABVP at Sahyadri College of Engineering, Mangalore.**
19. Presented a research paper titled **"Environmental impact assessment of heavy metals on soil, plant and water around thermal power plant"** carried out under the guidance of **Dr. Ujwal P, Asst. Professor** in the Dept. of Biotechnology Engineering was presented by **Mr. Shreyas Aithal and Mr. Vijayendra Shenoy** of VIII Semester at **"SRISHTI" 2012** (May 12th -14th 2012) **organized by ABVP at Sahyadri College of Engineering, Mangalore.**
20. Presented a research paper titled **"Production of biodiesel from unconventional feed stocks of Udupi district"** carried out under the guidance of **Mr. Venkatesh Kamath, Sr. Lecturer and Dr. C. Vaman Rao, Professor & Head** in the Dept. of Biotechnology Engineering was presented by **Mr. Santhosh Pujari** of VIII Semester at **"SRISHTI" 2012** (May 12th -14th 2012) **organized by ABVP at Sahyadri College of Engineering, Mangalore was awarded "Second prize"**.
21. Presented a research paper titled **"Evaluation of protective effects of *Ficus racemosa, Madhuca indica, Pterocarpus marsupium* against DNA and protein damage"** carried out under the guidance of **Dr. Vidya S. M. Sr. Lecturer** in the Dept. of Biotechnology Engineering was presented by **Ms. Jyotsna and Ms. Sushmitha S** of VIII Semester at **"SRISHTI" 2012** (May 12th -14th 2012) **organized by ABVP at Sahyadri College of Engineering, Mangalore.**
22. Presented a research paper titled **"MFB analysis of Alzheimer's disease pathway for the identification of potent drug targets"** carried out under the guidance of **Mr. Bharath B. R, Lecturer** in the Dept. of Biotechnology Engineering was presented by **Ms. Prgnya and Ms. Varsh Shriyan** of VIII Semester at **"SRISHTI" 2012** (May 12th -14th 2012) **organized by ABVP at Sahyadri College of Engineering, Mangalore.**
23. Presented a research paper titled **"Effect of natural antioxidants on storage condition of karanja oil and its biodiesel"** carried out under the guidance of **Mr. Venkatesh Kamath, Sr. Lecturer** in the Dept. of Biotechnology Engineering was presented by **Ms. Sreedevi and Ms. Swathi P** of VIII Semester at **"SRISHTI" 2012** (May 12th -14th 2012) **organized by ABVP at Sahyadri College of Engineering, Mangalore.**
24. Presented a research paper titled **"Evaluation of antioxidant and antimicrobial activity of *Phyllanthus reticulatus*"** carried out under the guidance of **Dr. Vidya S. M, Sr. Lecturer** in the Dept. of Biotechnology Engineering was presented by **Ms. Soumya Keshav and Ms. Acquilla D'Almeida** of VIII Semester at **"SRISHTI" 2012** (May 12th -14th 2012) **organized by ABVP at Sahyadri College of Engineering, Mangalore.**

2010-11

1. A paper on **Hydrogels in Efficient Drug Transport** was presented by Ms. Neelima Gopinath and Mr. Pankaj Javalkar of VII semester, secured **Third** place in the **Annual Technical Festival-Engineer 2010** of NITK, Surathkal.
2. A paper on **Ethanol production in deodorant manufacturing unit "CHEMUDYOG"** was presented by Ms. Neelima Gopinath, Mr. Pankaj Javalkar, Krithika, S and Namratha Hegde of VII semester in the **Annual Technical Festival-Engineer 2010** of NITK, Surathkal.
3. A model on **Heat exchanger** was presented in "**CONTRAPTION**" by Ms. Neelima Gopinath, Mr. Pankaj Javalkar, Krithika, S and Namratha Hegde of VII semester, secured **Second** place, in the **Annual Technical Festival-Engineer 2010** of NITK, Surathkal.
4. Poster on "**Conservation of *Cintella asiatica* by in-vitro micropropagation of field grown plants**" was presented by Deeksha Hegde, Karishma Gururajan and Shobith Shetty of VII semester at National conference on Plant Diversity: Prospects and Problems of Conservation held at Kristu Jayanti College, Dept. of Life Science, Bangalore on Oct 27th – 29th 2010, secured **First Prize**. The project was guided by **Dr. Ujwal, P.**, Assistant Professor.
5. Poster on "**In vitro micropropagation and callus induction of *Cintella asiatica*: Medium optimization**" was presented by Sharadhi Udupa, Deeksha Hegde, Karishma Gururajan and Shobith Shetty of VII semester at **Tech-Nidharshan**, a National level Tech festival organized by NMAM Institute of Technology, Nitte on 11th Nov – 13th Nov 2010, secured **Second Prize**. The project was guided by **Dr. Ujwal, P.**, Assistant Professor.
6. Model on "**Bioelectricity from Cow dung**" was presented by **Vishwanath, Junaid Alam, Ranjit Singh** of VII semester at **Tech-Nidharshan**, a National level Tech festival organized by NMAM Institute of Technology, Nitte on 11th Nov – 13th Nov 2010, secured **First Prize**. The project was guided by **Dr. C. Vaman Rao**, Professor and Head.
7. Poster on "**Transgenic Plant-Bt Brinjal**" was presented by Rashmi Rao and Mohammed Muheeb of III semester at **Tech-Nidharshan**, a National level Tech festival organized by NMAM Institute of Technology, Nitte on 11th Nov – 13th Nov 2010, secured **First Prize**.
8. A paper on "**HPLC Analysis of Caffeine Degradation Brought About By Fungi Isolated From Coffee Pulp**" was presented by Supriya Pai, Sushma Y. D, Pooja V. Pai, Vibha Nayak, Ashwini Pai of VII semester at **16th Aerobiology National Conference** organized by Bapuji Institute of Engineering Technology, Dvangeri on 19th Nov – 21st Nov 2010, secured **Second Prize**. The project was guided by **Dr. C. Vaman Rao**, Professor and Head.
9. A paper on "**Treatment of Industrial Effluents Using Biofiltration Technique**" was presented by Ms. Pooja Jain, Ms. Apoorva Shetty, Sushmitha S and Madhura Sirsikar of VII semester at **16th Aerobiology National Conference** organized by Bapuji Institute of Engineering Technology, Dvangeri on 19th Nov – 21st Nov 2010. The project was guided by **Mr. Anilkumar H. S**, Lecturer.
10. A paper on "**Comparative Evaluation of in-vitro antioxidant activity of *Ficus racemosa*, *Madhuka indica* and *Pterocarpus marsupium***" was presented by Ms. Sinchana Shetty, Ms. Ramyalakshmi Chander, Ms. Harsha and Ms. Shrithi

Nayak of VIII semester at State level conference on **Mesmerizing Fields of Biotechnology** organized by Dept. of PG studies and Research in Biotechnology, Sri. Dharmasthala Manjunatheshwara College, Ujire on 8th and 9th April 2011. The project was guided by **Dr. Mrs. Vidya S. M.**, Senior Lecturer.

11. A paper on **"Bioethanol from Unconventional Lignocellulosic Agricultural Residues"** was presented by Ms. Shwethashree M and Ms. Varsha Mohan of VIII semester at **"SYMBIOT 11"** a National level Symposium organized by Dept. of Biotechnology, Manipal Institute of Technology in collaboration with Institute of engineers-Biotechnology Chapter on April 9th 2011. The project was guided by **Dr. C. Vaman Rao**, Prof. & Head.
12. A poster on **"Bioethanol Production from Unconventional Strachy Agricultural Residues"** was presented by Ms. Ramyashree Kalgara and Ms. Fabiola Lisa Sladhana of VIII semester at **"SYMBIOT 11"** a National level Symposium organized by Dept. of Biotechnology, Manipal Institute of Technology in collaboration with Institute of engineers-Biotechnology Chapter on April 9th 2011. The project was guided by **Dr. C. Vaman Rao**, Prof. & Head.

2009-10

1. A paper titled **"Economics of Bioethanol Production from Unconventional Bioresources"** carried out under the guidance of Dr. C. Vaman Rao, Professor & Head in the Dept. of Biotechnology Engineering was presented by **Deeksha J. S, Deepa Shenoy., Chetan Nayak, Biju.**, at **Manthan 2010 on** 12th May 2010, student competition of paper presentation, organized by **Federation of Karnataka Chamber of Commerce and Industries (FKCCI)** at Bangalore was awarded **"First Prize" – a cash award of Rs. 50,000/= and a rolling trophy.**
2. A research paper titled **"A Study on Efficacy of Bioethanol Production from Unconventional Bioresources"** carried out under the guidance of Dr. C. Vaman Rao, Professor & Head in the Dept. of Biotechnology Engineering was presented by **Deeksha J. S, Deepa Shenoy., Chetan Nayak, Biju** at **"SRISHTI" 2010** (May 7th -10th 2010) **organized by ABVP at SSIT, Tumkur**, was awarded **"Third Prize" in paper presentation.**
3. A research paper titled **"Isolation of Plasmid from Caffeine Degrading Bacteria Isolated from Coffee Pulp and Transformation Studies"** carried out under the guidance of Dr. C. Vaman Rao, Professor & Head in the Dept. of Biotechnology Engineering was presented by **Harshitha, M. J., Maithili, Sneha Nayak, Charanya Sampath**, at **"SYMBIOT 10"** (March 29th – 31st 2010) a National level Symposium organized by Dept. of Biotechnology, Manipal Institute of Technology in collaboration with Institute of engineers-Biotechnology Chapter was awarded **"Second Prize" in paper presentation.**
4. A research paper titled **"Isolation and Characterization of Caffeine degrading Fungi from Coffee Pulp"** carried out under the guidance of Dr. C. Vaman Rao, Professor & Head in the Dept. of Biotechnology Engineering was presented by **Vibha Nayak, Pooja V. Pai, Ashwini Pai, Supriya Pai, Sushma Y. D.** of VI semester at **"Current Scenario in Microbial Biotechnology"** (March 10th – 11th 2010) a National level Symposium organized by Dept. of Biotechnology, K. S. Rangasamy College of Engineering and Technology sponsored by CSIR was awarded **"Second Prize" in poster presentation.**
5. A research paper titled **"Isolation and Characterization of Caffeine degrading Filamentous Fungi from Coffee Pulp"** carried out under the guidance of Dr. C.

Vaman Rao, Professor & Head in the Dept. of Biotechnology Engineering was presented by **Ashwini Pai, Pooja V. Pai, Supriya Pai, Sushma Y. D, Vibha Nayak** of VI semester at **"SYMBIOT 10"** (March 29th – 31st 2010) a National level Symposium organized by Dept. of Biotechnology, Manipal Institute of Technology in collaboration with Institute of engineers-Biotechnology Chapter was awarded **"First Prize" in poster presentation.**

6. A research paper titled **"Bioplastics – production and Extraction of PHA (polyhydroxyacetate)/PHB (Polyhydroxybuturate) from bacteria"** carried out under the guidance of Chetan D. M, Lecturer and Dr. C. Vaman Rao Professor & Head in the Dept. of Biotechnology Engineering was presented by **Manasa P., Nagareka, H., Reenu Sanil and Sharon D' Souza** at National Level Student symposium on Emerging Areas of Biotechnology organized by Dept. of Biotechnology, Bapuji Institute of Engineering & Technology, Davangere, 30th April 2010 was awarded **"Second Prize"** in poster presentation

Two of the following projects funded by KSCST were selected for the final presentation of best project of the year award

1. **An investigation into bioethanol production from unconventional bioresources** under the guidance of Dr. C. Vaman Rao, Professor in the Dept. of Biotechnology Engineering.

2. **Removal of heavy metals by *salvinia molesta* from industrial effluent coupled with bioethanol production** under the guidance of Dr. Ujwal P., Sr. Lecturer, Dept. of Biotechnology Engineering