



**Bharat Institute of Technology**  
Mangalpally, Ibrahimpatnam, R.R. District, Pin-501510  
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**PROJECT LIST (2018-2023)**

S. NO	STUDENT NAME	TITLE OF THE PROJECT	ACADEMIC YEAR
1.	PRIYANANDINI.	EVALUATION OF ANTI-ANAEMIC ACTIVITY OF EXTRACT OF NELUMBO NUCIFERA RHIZOME IN PHENYL HYDRAZINE INDUCED ANEMIA IN WISTAR RATS	2022-2023
2.	G. RAMYA SRI	FORMULATION AND IN VITRO CHARACTERIZATION OF NELFINAVIR EXTENDED RELEASE TABLETS	2022-2023
3.	P. ASHWINI	FORMULATION DEVELOPMENT AND INVITRO EVALUATION OF OXACARBAZEPINE POROUS TABLETS	2022-2023
4.	B. SUDHA	FORMULATION AND EVALUATION OF MUCOADHESIVE BUCCAL TABLETS OF VALSARTAN	2022-2023
5.	G.SRUJANA	FORMULATION DEVELOPMENT AND INVITRO EVALUATION OF DEFLAZACORT SOLID DISPERSIONS TO FAST DISSOLVING TABLETS	2022-2023
6.	N. SIRISHA	FORMULATION DEVELOPMENT AND INVITRO EVALUATION OF BUPRENORPHINE LOADED TRANSDERMAL PATCHES	2022-2023
7.	E. SATISH KUMAR	PREPARATION AND INVITRO EVALUATION OF IMMEDIATE RELEASE TABLETS OF CHLORPROPAMIDE	2022-2023
8.	SHAIK NAZEER	EVALUATION OF ANTIINFLAMMATORY AND ANALGESIC POTENTIALS OF CARICA PAPAYA L. USING INVITRO AND INVIVO MODEL	2021 -2022
9.	GUNTI ANUSHA	PHYTOCHEMICAL SCREENING, IN-SILICO DOCKING STUDIES AND INVIVO HEPATOPROTECTIVE ACTIVITY OF CARISSA CARANDAS LINN LEAF EXTRACTION	2021 -2022
10.	KOTLA SHIRISHA	EVALUATION OF HEPATOPROTECTIVE ACTIVITY OF ETHANOLIC EXTRACT OF MUCUNA	2021 -2022



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		MONOSPERM A SEEDS AGAINST ANTITUBERCULAR DRUGS (ISONIAZID AND RIFAMPICIN) INDUCED HEPATOTOXICITY IN RATS	
11.	GADAMALLA SONY	FORMULATION AND INVITRO EVALUATION OF MICROSPHERES OF METFORMIN HYDROCHLORIDE	2021 -2022
12.	VIPPULA ANITHA	EVALUATION OF ANTIULCER PROPERTY OF DELONXIA REGIA	2020-2021
13.	BUTOOL FATIMA	PHYTOCHEMICAL AND HEPATOPROTECTIVE STUDY OF PHYLLANTHUS SVIRGATUS G FORST	2020-2021
14.	G LAXMAN KUMAR	FORMULATION AND EVALUATION OF FAST DISSOLVING FILM OF ISOSORBIDE MONONITRATE	2020-2021
15.	MAJID HUSSAIN	INVESTIGATION OF ANTIDEPRESSANT ACTIVITY OF NARDOSTACHYS JATAMANSI	2020-2021
16.	PEDDI SRI VIDYA	PHYTOCHEMICAL AND HEPATOPROTECTIVE STUDY OF PHYLLANTHUS DEBILIS KLEIN EX WILD	2020-2021
17.	SADIA ANJUM	A RANDOMIZED CONTROLLED STUDY OF OXYTOCIN IN PREVENTING POSTPARTUM HEMORRHAGE IN CESAREAN SECTION	2020-2021
18.	NABEELA FATIMA	COMPARATIVE STUDY OF SELECTIVE SEROTONIN REUPTAKE INHIBITORS IN TREATING DEPRESSION	2020-2021
19.	VENU JUNAID PRANAV	ASSESSMENT ON SAFETY AND EFFICACY OF PEG FIBRE VS PEG FIBRE PRUCALOPRIDE IN TREATMENT OF CHRONIC CONSTIPATION EFFECT ON	2020-2021



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		PATIENT QOL	
20.	WAJEEHA	AN INVESTIGATIONAL STUDY OF LONG ACTING PROPRANOLOL IN THE EARLY MANAGEMENT OF HYPERTHYROIDISM	2020-2021
21.	SADIA	A RANDOMIZED CONTROLLED STUDY OF OXYTOCIN IN PREVENTING POSTPARTUM HEMORRHAGE IN CESAREAN SECTION	2020-2021
22.	NABEELA	A COMPARATIVE STUDY OF SELECTIVE SEROTONIN REUPTAKE INHIBITORS IN DEPRESSION	2020-2021
23.	MADIHA	STUDY THE PATIENT KNOWLEDGE ABOUT DISEASE AND AWARENESS OF TREATMENT AND ASSESSMENT OF QOL IN OSTEOARTHRITIS PATIENT	2020-2021
24.	AISHA AHMED RUKHAIYA ASMA NANDIGAMA SHEEBA RANI AZRA FATHIMA	OUTCOME OF HIGH GRADE GLIOMA PATIENTS AT TERTIARY CARE CENTRE	2020-2021
25.	SAIKRISHNA KRANTHI BALU	EFFICACY AND TOLERANCE OF TRIPLE THERAPY IN ERADICATION OF HELICOBACTER PYLORI	2020-2021
26.	AKHIL NAVEEN NAJAM	SPECTRUM OF USE OF FERRIC 23CARBOXYMALTOSIDE IN PATIENT WITH HEART FAILURE WITH OR WITHOUT ANAEMIA	2020-2021
27.	HARSHINI MANIRAMYA ARCHANA	SYSTEMIC ANALYSIS OF TMPT GENOTYPING	2020-2021
28.	INDUJA INDRANI MANJU CHAITANYA	COMPARATIVE STUDY OF BLOOD PRESSURE MONITORING IN HEMODIALYSIS PATIENTS WITH OR	2020-2021



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		WITHOUT RAAS INHIBITORS	
29.	SHEHENAAZ KULSOOM SUKAINA QAMAR	EVALUATION OF CLINICAL PROFILE ASSESSMENT OF DISEASE SEVERITY AND TREATMENT EFFICACY IN SPONDYLO ARTHRITIS PATIENT	2020-2021
30.	LAHARIKA SAISREE SRIJA KEERTHI	IMPACT OF NON SEDATION IN GASTROINTESTINAL CONVENTIONAL ENDOSCOPY IN OUTPATIENT SETUP	2020-2021
31.	RUPA AMULYA VAISHNAVI POOJA	SINGLE CENTRE OBSERVATIONAL STUDY TO EVALUATE THE INCIDENCE SEVERITY RISK FACTORS AND EFFICACY OF PHARMACOTHERAPY IN MANAGEMENT OF TAXANE INDUCED MYALGIA AND ARTHRALGIAS	2020-2021
32.	ANUSHA	DESIGN PREPARE AND CHARACTERIZATION OF NEVIRAPINE CHITOSAN NANOPARTICLES	2019 -2020
33.	MIRZA RAHEEM BAIG	PHYTOCHEMICAL AND HEPATOPROTECTIVE POTENCY SCREENING OF FICUS AURICULATA	2019 - 2020
34.	MAMATHA	PHYTOCHEMICAL AND HEPATOPROTECTIVE ACTIVITY SCREENING OF CASSIA KLEINII	2019 - 2020
35.	ERAM SAROSH MAIMUNA FATIMA MD BILAL	RISK FACTORS OF INTRACRANIAL HAEMORRHAGE IN PATIENTS TAKING ANTICOAGULANT THERAPY	2019 - 2020
36.	CHEGURIAKHILA REDDY SALMA TASNEEM	RESPONSE TO LEVODOPACARBIDOPA COMBINATION IN PATIENTS WITH PARKINSON PLUS SYNDROMES	2019 - 2020
37.	GAJULA SRITEJA DANDAYALA PAVAN KALYAN	EVALUATION OF RETINOPATHY OF HYDROXYCHLOROQUINES IN SYSTEMIC LUPUS ERYTHEMATOSUS PATIENTS	2019 - 2020



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38.	BESU SOWMYA PUTNALA ANUSHA AAKUNURI AKHIL	COMPARISON STUDIES BETWEEN SHORT ACTING AND LONG ACTING ERYTHROPOIESIS STIMULATING AGENTS IN CHRONIC KIDNEY DISEASE AND ANEMIA IN PATIENTS UNDERGOING HEMODIALYSIS	2019 - 2020
39.	ARIKERI SHALINI MOHAMMED KAMALUDDIDIN OMER GODISHALA NIKITHA	A CLINICAL STUDY ON RATIONALIZATION OF MEROPENEM AMONG CRITICALLY ILL PATIENTS IN A TERTIARY CARE HOSPITAL	2019 - 2020
40.	MUNUGALALAHARIKA NAKKA SRI BHAVANI ABHISHIKTHA GARIMA	CLINICAL STUDY ON EFFICACY OF POLY ETHYLENE GLYCOL PEG VERSUS LACTULOSE WITH IBS C AND FUNCTIONAL CONSTIPATION	2019 - 2020
41.	PUNUKULA HARI CHANDANA CHALAMALASETTI BHAVYA KALLEMSHARATVENKAT REDDY	PEMETREXED INDUCED NEPHROTOXICITY	2019 - 2020
42.	KEESARA SRIVATHSASA DHARANIKOTA MEGHANA KISTIPATI BHAVANA	INCIDENCE OF NODAT IN POST KIDNEY TRANSPLANT PATIENTS ON IMMUNOSUPPRESSANTS	2019 - 2020
43.	PANNALA KEERTHI REDDY RATHNAWATH MOUNICA VISSAPRAGADA BHAVANI ALEKHYA	IMPACT OF PREADMISSION ANTIBIOTICS AND CURRENT ANTIBIOTICS ON THE CLINICAL OUTCOME OF CRITICALLY ILL PATIENTS	2019 - 2020
44.	VAKAPRATYUSHA KASU HARSHITHA RANGINENI PRANEET	A STUDY ON ANTIBIOTIC PROTOCOL IN ELECTIVE ORTHOPEDIC SURGERIES	2019 - 2020
45.	NIKITA SAMNANI PISATI MOUNIKA REDDY PULIGARI PRAVEEN REDDY	IMPACT OF COLISTIN MONOTHERAPY VERSUS COMBINATION THERAPY ON PATIENTS CLINICAL OUTCOMES AND SAFETY	2019 - 2020
46.	ZEENATH ANJUM	EFFICACIOUS COMPARISON OF THE DUAL RELEASE OF DEXLANSOPRAZOLE WITH THE OTHER PROTON PUMP INHIBITORS	2019 - 2020



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		IN PATIENTS WITH GASTROESOPHAGEAL REFLUX DISEASE	
47.	SYEDA NASMA FATIMA	A PROSPECTIVE CLINICAL STUDY TO EVALUATE THE EFFICACY OF NOOTROPIC HAIR NOURISHMENT OIL	2018 - 2019
48.	MOHAMMED ABU HASAN AMER	A PROSPECTIVE CLINICAL STUDY OF A MEMORY OIL FM SEVEN FOR LEARNING AND MEMORY ENHANCEMENT ACTION IN HEALTHY HUMAN VOLUNTEERS	2018 - 2019
49.	K.NITHYA	A PROSPECTIVE STUDY TO ASSESS THE QUALITY OF LIFE AND MEDICATION COMPLIANCE IN PATIENTS WITH COPD	2018 - 2019
50.	GOLUSULA GANGA	A PROSPECTIVE EVALUATION OF ANALGESIC AND ANTIINFLAMMATORY ACTIVITY OF POLYHERBAL DRUG IN OSTEOARTHRITIS	2018 - 2019
51.	B.DEEPIKA	STUDY FOR ASSESSMENT OF KNOWLEDGE COMPLIANCE AND THERAPEUTIC MANAGEMENT IN PATIENTS WITH ASTHMA	2018 - 2019
52.	ASIYA SHAHNAZ	A PROSPECTIVE EVALUATION OF ANTIINFLAMMATORY ACTIVITY OF TINOSPORA CORDIFOLIA GUDUCHI GHANA EXTRACT LOADED SILVER NANOPARTICLES FOR TREATING GOUTY ARTHRITIS	2018 - 2019
53.	A.MOUNIKA	EVALUATION OF THE EFFECT OF ALCOHOLISM ON PHARMACODYNAMICS INTERACTION BETWEEN SOME	2018 - 2019



  
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		ANTI DIABETIC AND ANTI HYPOTENSIVE DRUGS IN TERTIARY CARE HOSPITAL	
54.	A.ANUSHA	STUDY OF PHARMACOTHERAPY AND ITS DRUG INTERACTIONS IN ALCOHOL INDUCED LIVER CIRRHOSIS PATIENTS	2018 - 2019
55.	NABIHA TABASSUM MOHD. MUZZAFER PASHA	EVALUATING THE OUTCOMES OF THROMBOLYSIS IN PATIENTS WITH ACUTE ISCHEMIC STROKE WHO PRESENTED WITHIN WINDOW PERIOD IN A TERTIARY CARE HOSPITAL	2018 - 2019
56.	AFIYA SULTANA K. BUELAH MOHAMMED MUZAMMIL	COMPARISON OF EFFICACY OF LEVITIRACETAM AND CLOBAZAM INDIVIDUALLY AND IN COMBINATION IN THE MANAGEMENT OF GENERALIZED TONIC CLONIC SEIZURES	2018 - 2019
57.	THATHI SWATHI	ANTI ATHEROSCLEROTIC ACTIVITY OF OCHNA OBSTUSATA	2018 - 2019
58.	K.KOTAMMA	CLINICAL STUDY ON NEUROLOGICAL MANIFESTATION IN PATIENTS WITH HAEMORRHAGIC AND ISCHEMIC STROKE	2018 - 2019
59.	K.ROHINI	CLINICAL STUDY ON ASSOCIATION OF VITAMIN D LEVELS WITH THE SEVERITY OF BRONCHIAL ASTHMA IN ADULT PATIENTS	2018 - 2019
60.	GANAPURAM PRAMODH	ANTI ANXIETY ACTIVITY OF FUMARIA INDICA IN WISTAR RATS	2018 - 2019



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61.	A.SRAVYA REDDY CH.EESHITHA	A PROJECT ON SAFETY AND EFFICACY OF CEFOPERAZONE SULBACTAM AND PIPERACILLIN TAZOBACTAM IN SEPSIS IN MEDICAL INTENSIVE CARE UNIT	2018 - 2019
62.	A.BHAVANANJALI A.GAYATHRIG.RAM CHARAN M.SUDESH	CLINICAL SPECTRUM OF SODIUM GLUCOSE CO TRANSPORTER SGLT TWO INHIBITORS IN DUAL OR TRIPLE THERAPY IN TYPE TWO DIABETES PATIENTS IN TERTIARY CARE CENTRE	2018 - 2019
63.	J.PRAVALLIKA G.PRIYANKA	CLINICAL EFFECT OF FORMOTEROL AND GLYCOPYRRONIUM IN COPD PATIENTS	2018 - 2019
64.	P.SARIKA S.AVANI PRAKASH	EFFICACY AND SAFETY OF SACUBITRIL VALSARTAN AND VALSARTAN ON HEART FAILURE PATIENTS IN TERTIARY CARE CENTRE	2018 - 2019
65.	P.KEERTHI T.AKHILA	OUTCOMES OF LIVING RELATED KIDNEY TRANSPLANT RECIPIENT WITH TRIPLE IMMUNOSUPPRESSANTS TACROLIMUS MYCOPHENOLATE CORTICOSTEROIDS AT SIX MONTHS POST TRANSPLANTATION	2018 - 2019
66.	K.SHOBHA P.SAI PRIYA	DECEASED DONOR KIDNEY TRANSPLANT WITH ATG INDUCTION AND TRIPLE IMMUNOSUPPRESSIVE AGENTS	2018 - 2019
67.	D.LAKSHMI PRASANNA G.NISHITHA	EFFECTIVENESS OF FIXED DOSE COMBINATION CICLESONIDE FORMOTEROL AND TIOTROPIUM	2018 - 2019



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	REDDY	THERAPY IN THE MANAGEMENT OF COPD	
68.	M.ROJA S.NIHARIKA REDDY	ROLE OF CALCITROL IN CHRONIC KIDNEY DISEASE MINERAL BONE DISORDER IN DIALYSIS PATIENTS	2018 - 2019
69.	P.TRISHANKA REDDY T.SAIPRIYA REDDY	COMPARITIVE CLINICAL STUDY OF WARFARIN AND RIVAROXABAN NEWER ANTICOAGULANT IN THE TREATMENT OF VENOUS THROMBOEMBOLISM WITH RESPECT TO EFFICACY AND SIDE EFFECTS	2018 - 2019
70.	A.SAI BASHITHA CH.SRINIDHI	COMPARISION OF CLINICAL OUTCOMES BETWEEN CEFAPERAZONE AND SULBACTUM PIPERACILLIN ANDTAZOBACTUM AS EMPIRICAL THERAPY IN UTI	2018 - 2019
71.	K.AKSHITHA REDDY K.SRIHASANTHI	IMPACT OF INTRAVENOUS PROTON PUMP INHIBITORS IN PREVENTION AND MANAGEMENT OF UPPER GI BLEEDING IN CRITICAL CARE UNIT	2018 - 2019
72.	G.BHARGAVI	FORMULATION AND EVALUATION OF FAST DISSOLVING TABLETS OF RIZATRIPTON	2018 - 2019
73.	S. INDU REKHA	FORMULATION AND EVALUATION OF EXTENDED RELEASE TABLETS OF BOSENTAN	2018 - 2019
74.	MADDI SWETHA	FORMULATION AND EVALUATION	2018 - 2019



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		OF PITAVASTATIN NANOPARTICLES	
75.	R.SWAPNA	FORMULATION AND INVITRO EVALUATION OF EPIRUBICIN ORGANO GELS	2018 - 2019
76.	TALLAPALLY KAVERI	FORMULATION AND INVITRO EVALUATION OF PALONOSETRON MICROSPONGES	2018 - 2019
77.	P.BHARATH KUMAR	FORMULATION AND EVALUATION OF FLOATING MICROSPHERES OF REPAGLINIDE BY IONIC GELATION METHOD	2018 - 2019
78.	MADDI SWETHA	FORMULATION AND EVALUATION OF PITAVASTATIN NANOPARTICLES	2018 - 2019
79.	KRUTHIKA LALIT	FORMULATION AND INVITRO EVALUATION OF KETOPROFEN USING B CYCLODEXTRIN CAPPED SILVER NANOPARTICLES	2018 - 2019
80.	K.JAGRUTHI	FORMULATION AND INVITRO EVALUATION OF ITOPRIDE FAST DISSOLVING TABLETS USING SUPERDISINTEGRANTS	2018 - 2019
81.	G.MOUNIKA	FORMULATION AND INVITRO CHARACTERIZATION OF LAMIVUDINE MICROSPHERES FOR SUSTAINED DRUG DELIVERY	2018 - 2019
82.	DONKESHWAR PRASANTH	EFFECT OF POLYMERS IN THE FORMULATION OF SUSTAINED RELEASE TABLETS OF GUAIFESIN USING VARIOUS HYDROPHILIC POLYMERS	2018 - 2019
83.	M.BOBBI KUMAR	FORMULATION	2018 - 2019



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		CHARACTERIZATION OF POLYMERIC NANOPARTICLES OF DOCETABINE	
84.	T. THIRUPATHAIAH	FORMULATION AND INVITRO EVALUATION OF PRAZOSIN.HCL NANOPARTICLES	2018 - 2019
85.	K. NAGAJYOTHI	DESIGN AND OPTIMIZATION OF DILTIAZEM MATRIX TABLETS AS SUSTAINED RELEASE	2018 - 2019
86.	K. YASHASREE	FORMULATION AND EVALUATION OF TELMISARTAN SOLID DISPERSION OF ENCAPSULATION USING DIFFERENT POLYMER	2018 - 2019
87.	B. SANGEETHA	FORMULATION AND EVALUATION OF GASTRO RETENTIVE DRUG DELIVERY SYSTEM CONTAINING PROPRANOLOL HCL	2018 - 2019
88.	DIVYA LAXMI	DESIGN PREPARATION AND CHARACTERIZATION OF DECITABINE NIOSOME DRUG DELIVERY SYSTEM.	2018 - 2019
89.	SIDDIQUA ALI	FORMULATION AND EVALUATION OF BILAYER TABLETS OF METFORMIN AND SIMVASTATIN	2018 - 2019
90.	DUBBA SHANKAR	STUDY ON ANTIBIOTIC SENSITIVITY PATTERN IN URINARY TRACT INFECTION OF PATIENTS VISITING TERTIARY CARE HOSPITAL	2018 - 2019
91.	D. SAMSON	DESIGN PREPARE AND CHARACTERISATION OF GLIMEPRIDE LIPOSOMAL DRUG	2018 - 2019



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		DELIVERY SYSTEM	
92.	S. PRIYANKA	DEVELOPMENT AND CHARACTERIZATION OF TERBUTALINE SULPHATE MICROSPHERES BY USING SINGLE EMULSION TECHNIQUE	2018 - 2019
93.	B. DEEPIKA	FORMULATION AND EVALUATION OF BILAYERED TABLETS OF PIOGLITAZONE AS IMMEDIATE RELEASE AND METFORMIN AS SUSTAINED RELEASE	2018 - 2019
94.	UMESH	DEVELOPMENT AND CHARACTERIZATION OF REPAGLINIDE TRANSDERMAL PATCHES	2018 - 2019
95.	N. SOUMYA	FORMULATION AND EVALUATION OF SULFASALZINE FLOATING TABLETS	2018 - 2019
96.	P. HARISH	RATIONAL SELECTION OF KAEMPFEROL GLYCETIN CINNAMIC ACID AND TOCOPHEROL AGAINST PSORIATIC TARGETS GUIDED BY MOLECULAR DOCKING AND SAFETY EVALUATION	2018 - 2019
97.	AMARA	DESIGN AND SELECTION OF PHYTOCHEMICALS FROM SCIENTIFICALLY KNOWN ANTI PSORIATIC PLANTS AND ANTIPSORIATIC EVALUATION	2018 - 2019
98.	AMARA FATHIMA	DESIGN AND SELECTION OF PHYTOCHEMICALS FROM SCIENTIFICALLY KNOWN	2018 - 2019



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		ANTIPSORIATIC PLANTS BY MOLECULAR DOCKING METHOD AND ANTIPSORIATIC EVALUATION	
99.	ZEBASASHEER	DESIGN AND RATIONAL SELECTION OF PLANTS AND HERBS FOLLOWED BY EVALUATION OF ANTIPSORIATIC ACTIVITY IN HUMAN SUBJECTS	2018 - 2019
100.	B.KRUPA	A STUDY ON INTERVENTIONS OF CLINICAL PHARMACIST IN THE MANAGEMENT OF ASTHMATIC PATIENT	2018 - 2019
101.	B.SINDUJA	PROSPECTIVE STUDY ON PREVALENCE PREVENTION AND MANAGEMENT OF ADVERSE REACTION OF MIGRAINE IN TERTIARY CARE HOSPITAL	2018 - 2019
102.	HUMERA FATIMA	A PROSPECTIVE NON INVASIVE STUDY ON ANTI BIOTIC RESISTANCE IN RESPIRATORY INFECTION	2018 - 2019
103.	MD.ABDUL KHALEEL	A PROSPECTIVE CLINICAL STUDY ON EFFICACY AND SAFETY OF POLYHERBAL DRUGS AND ITS ANALGESIC AND ANTI INFLAMMATORY ACTION	2018 - 2019
104.	K. SAMATHA	PHARMACEUTICAL CARE AND STUDY OF ITS MANAGEMENT FOR THYROID PATIENTS IN PAEDIATRIC AND ADULTS	2018 - 2019
105.	AFREEN	A STUDY ON COMPARISON OF FEW NEPHROTOXIC ANTIBIOTIC DRUG AS AN ETIOLOGY FOR	2018 - 2019



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		HYPERTENSION AND ARRHYTHMIAS	
106.	TONK. TEJASWINI	FORMULATION AND EVALUATION OF TRIHYEXYPHENIDYL HCL ETHOSOMAL GEL	2018 - 2019
107.	AKULA SOWMYA	PREPARATION AND EVALUATION OF SELF EMULSIFYING DRUG DELIVERY SYSTEM	2018 - 2019
108.	JONNALA JYOTHI	FORMULATION AND CHARACTERIZATION OF NANO PARTICLES PACLITAXEL	2018 - 2019
109.	BHUKYA SIRISHA	FORMULATION AND CHARACTERIZATION OF CONTROLLED RELEASED BUCCOADHESIVE BILAYER TABLETS OF OLMESARTAN	2018 - 2019



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**GENDER SENSITIZATION**  
(An Activity-based Course)

**Objectives of the Course:**

- To develop students' sensibility with regard to issues of gender in contemporary India
- To provide a critical perspective on the socialization of men and women
- To introduce students to information about some key biological aspects of genders.
- To expose the students to debates on the politics and economics of work
- To help students reflect critically on gender violence
- To expose students to more egalitarian interactions between men and women.

**Learning Outcomes:**

- Students will have developed a better understanding of important issues related to gender in contemporary India
- Students will be sensitized to basic dimensions of the biological, sociological, psychological and legal aspects of gender. This will be achieved through discussion of materials derived from research, facts, everyday life, literature and film.
- Students will attain a finer grasp of how gender discrimination works in our society and how to counter it
- Students will acquire insight into the gendered division of labour and its relation to politics and economics
- Men and women students and professionals will be better equipped to work and live together as equals
- Students will develop a sense of appreciation of women in all walks of life
- Through providing accounts of studies and movements as well as the new laws that provide protection and relief to women, the textbook will empower students to understand and respond to gender violence

**Unit-I:**

**UNDERSTANDING GENDER:**

**Gender: Why Should We Study It?** (*Towards a World of Equals: Unit -1*)  
**Socialization: Making Women, Making Men** (*Towards a World of Equals: Unit -2*)  
 Introduction. Preparing for Womanhood. Growing up Male. First lessons in Caste. Different Masculinities  
**Just Relationships: Being Together as Equals** (*Towards a World of Equals: Unit -12*)  
 Mary Kom and Onler. Love and Acid just do not Mix. Love Letters. Mothers and Fathers. Further Reading: Rosa Parks-The Brave Heart.

**Unit - II:**

**GENDER AND BIOLOGY:**

**Missing Women: Sex Selection and Its Consequences** (*Towards a World of Equals: Unit -4*)  
 Declining Sex Ratio. Demographic Consequences.  
**Gender Spectrum: Beyond the Binary** (*Towards a World of Equals: Unit -10*)  
 Two or Many? Struggles with Discrimination  
 Additional Reading: Our Bodies, Our Health (*Towards a World of Equals: Unit -13*)

**Unit - III:**

**GENDER AND LABOUR:**

**Housework: the Invisible Labour** (*Towards a World of Equals: Unit -3*)  
 "My Mother doesn't Work." "Share the Load."  
**Women's Work: Its Politics and Economics** (*Towards a World of Equals: Unit -7*)  
 Fact and Fiction. Unrecognized and Unaccounted work. Further Reading: Wages and Conditions of Work.

**Unit - IV:**

**ISSUES OF VIOLENCE:**

**Sexual Harassment: Say No!** (*Towards a World of Equals: Unit -6*)  
 Sexual Harassment, not Eve-teasing- Coping with Everyday Harassment- Further Reading "Chupulu"  
**Domestic Violence: Speaking Out** (*Towards a World of Equals: Unit -8*)  
 Is Home a Safe Place? -When Women Unite [Film]. Rebuilding Lives. Further Reading: New Forums for Justice  
**Thinking about Sexual Violence** (*Towards a World of Equals: Unit -11*)  
 Blaming the Victim-"I Fought for my Life..." - Further Reading: The Caste Face of Violence

**Unit - V:**

**GENDER STUDIES:**

**Knowledge: Through the Lens of Gender** (*Towards a World of Equals: Unit -5*)



Point of View. Gender and the Structure of Knowledge Further Reading: Unacknowledged Women Artists of Telangana

Whose History? Questions for Historians and Others (Towards a World of Equals: Unit -9)

Reclaiming a Past. Writing other Histories. Further Reading. Missing Pages from Modern Telangana History

**Essential Reading:** All the Units in the Textbook, "Towards a World of Equals: A Bilingual Textbook on Gender" written by A.Suneetha, Uma Bhargubanda, Duggirala Vasanta, Rama Melkote, Vasudha Nagaraj, Asma Rasheed, Gogu Shyamala, Deepa Sreenivas and Susie Tharu.

**Note:** Since it is Interdisciplinary Course, Resource Persons can be drawn from the fields of English Literature or Sociology or Political Science or any other qualified faculty who has expertise in this field.

#### REFERENCE BOOKS:

1. Sen, Amartya. "More than One Million Women are Missing." New York Review of Books 37/20 (20 December 1990). Print. 'We Were Making History... Life Stories of Women in the Telangana People's Struggle. New Delhi: Kali for Women, 1989.
2. Tripti Lahiri. "By the Numbers. Where Indian Women Work." *Women's Studies Journal* (14 November 2012). Available online at: <http://blogs.wsj.com/India/real-time/2012/11/14/by-the-numbers-where-indian-women-work/>
3. K. Salyanarayana and Susie Tharu (Ed.) Steel Nibs Are Sprouting: New Dalit Writing From South India, Dossier 2: Telugu And Kannada. [http://harpercollins.co.in/BookDetail.asp?Book\\_Code=3732](http://harpercollins.co.in/BookDetail.asp?Book_Code=3732)
4. Vimala. "Vanilla (The Kitchen)" *Women Writing in India: 600 BC to the Present Volume II The 20<sup>th</sup> Century*. Ed. Susie Tharu and K. Lalita. Delhi: Oxford University Press, 1995. 599-601
5. Shalrughna, Veena et al. *Women's Work and its Impact on Child Health and Nutrition*, Hyderabad, National Institute of Nutrition, Indian Council of Medical Research, 1993
6. Stree Shakti Sanghatana. "We Were Making History ...." *Life Stories of Women in the Telangana People's Struggle*. New Delhi: Kali for Women, 1989.
7. Menon, Nivedita. *Seeing like a Feminist*. New Delhi: Zubaan-Penguin Books, 2012
8. Jayaprabha, A. "Chupulu (Stares)" *Women Writing in India: 600BC to the Present. Volume II The 20<sup>th</sup> Century*. Ed. Susie Tharu and K. Lalita. Delhi: Oxford University Press, 1995. 596-597.
9. Javeed, Shayan and Anupam Manuhaar. "Women and Wage Discrimination in India: A Critical Analysis." *International Journal of Humanities and Social Science Invention* 2.4(2013)
10. Gautam, Liela and Gita Ramaswamy. "A 'conversation' between a Daughter and a Mother." *Broadsheet on Contemporary Politics: Special Issue on Sexuality and Harassment. Gender Politics on Campus Today*. Ed. Madhumeeta Sinha and Asma Rasheed. Hyderabad: Anveshi Research Center for Women's Studies, 2014.
11. Abdulali Sohaila. "I Fought For My Life...and Won." Available online at <http://www.thealternative.in/lifestyle/i-fought-for-my-lifeand-won-sohaila-abdulali/>
12. Jeganathan Pradeep, Partha Chatterjee (Ed). "Community, Gender and Violence Subaltern Studies XI" Permanent Black and Ravi Dayal Publishers, New Delhi, 2000
13. K. Kapadia. *The Violence of Development: The Politics of Identity, Gender and Social Inequalities in India*. London: Zed Books, 2002
14. S. Benhabib. *Situating the Self: Gender, Community, and Postmodernism in Contemporary Ethics*. London: Routledge, 1992
15. Virginia Woolf. *A Room of One's Own*. Oxford: Black Swan, 1992.
16. T. Banuri and M. Mahmood, *Just Development: Beyond Adjustment with a Human Face*, Karachi: Oxford University Press, 1997





## IV Year B.Pharm - II Sem

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**Objectives :** This introductory course input is intended

- To help the students appreciate the essential complementarity between 'VALUES' and 'SKILLS' to ensure sustained happiness and prosperity which are the core aspirations of all human beings
- To facilitate the development of a Holistic perspective among students towards life, profession and happiness, based on a correct understanding of the Human reality and the rest of Existence. Such a holistic perspective forms the basis of Value based living in a natural way.
- To highlight plausible implications of such a Holistic understanding in terms of ethical human conduct, trustful and mutually satisfying human behavior and mutually enriching interaction with Nature.

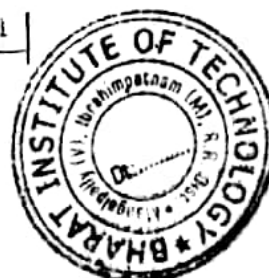
**Unit 1:**  
Course Introduction - Need, Basic Guidelines, Content and Process for Value

Education: Understanding the need, basic guidelines, content and process for Value Education. Self Exploration-what is it? - its content and process. 'Natural Acceptance' and Experiential Validation- as the mechanism for self exploration. Continuous Happiness and Prosperity- A look at basic Human Aspirations. Right Understanding, Relationship and Physical Facilities- the basic requirements for fulfillment of aspirations of every human being with their correct priority. Understanding Happiness and Prosperity correctly- A critical appraisal of the current scenario. Method to fulfill the above human aspirations: understanding and living in harmony at various levels.

**Unit 1k**  
Understanding Harmony in the Human Being - Harmony in Myself :  
Understanding human being as a co-existence of the sentient 'I' and the material 'Body'. Understanding the needs of Self ('I') and 'Body' - Sukh and Suvidha. Understanding the Body as an instrument of 'I' (I being the doer, seer and enjoyer). Understanding the characteristics and activities of 'I' and harmony in 'I'. Understanding the harmony of I with the Body: Sanyam and Swasthya: correct appraisal of Physical needs, meaning of Prosperity in detail. Programs to ensure Sanyam and Swasthya.

**Unit III :**  
**Understanding Harmony in the Family and Society- Harmony in Human -**  
**Human Relationship : Understanding harmony in the Family- the basic unit**

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of human interaction. Understanding values in human-human relationship; meaning of Nyaya and program for its fulfillment to ensure Ubhay-tripti. **Trust (Vishwas) and Respect (Samman) as the foundational values of relationship.** Understanding the meaning of Vishwas; Difference between intention and competence. Understanding the meaning of Samman; Difference between respect and differentiation; the other salient values in relationship. Understanding the harmony in the society (society being an extension of family): Samadhan, Samridhi, Abhay, Sah-astitva as comprehensive Human Goals. Visualizing a universal harmonious order in society- Undivided Society (Akhand Samaj), Universal Order (Sarvabhaum Vyawastha )- from family to world family!

#### Unit IV:

Understanding Harmony in the Nature and Existence. Whole existence as Co-existence : Understanding the harmony in the Nature. Interconnectedness and mutual fulfillment among the four orders of nature- recyclability and self-regulation in nature. Understanding Existence as Co-existence (Sah-astitva) of mutually interacting units in all-pervasive space. Holistic perception of harmony at all levels of existence.

#### Unit V:

Implications of the above Holistic Understanding of Harmony on Professional Ethics : Natural acceptance of human values. Definitiveness of Ethical Human Conduct. Basis for Humanistic Education, Humanistic Constitution and Humanistic Universal Order. Competence in professional ethics:

- Ability to utilize the professional competence for augmenting universal human order,
- Ability to identify the scope and characteristics of people-friendly and eco-friendly production systems,
- Ability to identify and develop appropriate technologies and management patterns for above production systems.

Case studies of typical holistic technologies, management models and production systems. Strategy for transition from the present state to Universal Human Order:

- At the level of individual: as socially and ecologically responsible engineers, technologists and managers.
- At the level of society: as mutually enriching institutions and organizations.

#### TEXT BOOKS

- R R Gaur, R Sangal, G P Bagaria, 2009, A Foundation Course in Human Values and Professional Ethics.





## JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

II Year B.Pharm - II Sem

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## (R40016) ENVIRONMENTAL STUDIES

## Objectives:

1. This course will give the importance of maintenance of ecological balance for sustainable development.
2. Understanding the impacts of developmental activities and mitigation measures.
3. Understanding of environmental policies and regulations

## UNIT-I :

**Ecosystems:** Definition, Scope and Importance of ecosystem. Classification, structure and function of an ecosystem. Food chains, food webs and ecological pyramids. Flow of energy. Biogeochemical cycles. Bioaccumulation, Biomagnification, ecosystem value, services and carrying capacity, Field visits.

## UNIT-II:

**Natural Resources: Classification of Resources:** Living and Non-Living resources, **water resources:** use and over utilization of surface and ground water, floods and droughts, Dams: benefits and problems. **Mineral resources:** use and exploitation, environmental effects of extracting and using mineral resources, **Land resources:** Forest resources, **Energy resources:** growing energy needs, renewable and non renewable energy sources, use of alternate energy source, case studies.

## UNIT-III:

**Biodiversity and Biotic Resources:** Introduction, Definition, genetic, species and ecosystem diversity. Value of biodiversity; consumptive use, productive use, social, ethical, aesthetic and optional values. India as a mega diversity nation, Hot spots of biodiversity. Field visit. Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts; conservation of biodiversity: In-Situ and Ex-situ conservation. National Biodiversity act.

## UNIT-IV:

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**Environmental Pollution and Control Technologies:** **Environmental Pollution & control:** Classification of pollution, causes, effects and control technologies. **Air Pollution:** Primary and secondary pollutants, Automobile and Industrial pollution, Ambient air quality standards. **Water pollution:** Sources and types of pollution, drinking water quality standards. **Soil Pollution:** Sources and types, Impacts of modern agriculture, degradation of soil. **Noise Pollution:** Sources and Health hazards, standards. **Pollution**

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**from Power projects, Solid waste:** Municipal Solid Waste management, composition and characteristics of e-Waste and its management. **Pollution control technologies:** Wastewater Treatment methods: Primary, secondary and Tertiary, Air: Overview of air pollution control technologies, Concepts of bioremediation. Field visit. **Global Environmental Problems And Global Efforts:** Climate change and impacts on human environment. Ozone depletion and Ozone depleting substances (ODS). Deforestation and desertification. International conventions / Protocols: Earth summit, Kyoto protocol and Montréal Protocol.

#### UNIT-V:

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**Environmental Policy, Legislation & EIA:** Environmental Protection act, Legal aspects Air Act- 1981, Water Act, Forest Act, Wild life Act, Municipal solid waste management and handling rules, biomedical waste management and handling rules, hazardous waste management and handling rules. EIA: EIA structure, methods of baseline data acquisition. Overview on Impacts of air, water, biological and Socio-economical aspects. Strategies for risk assessment, Concepts of Environmental Management Plan (EMP). **Towards Sustainable Future:** Concept of Sustainable Development, Population and its explosion, Crazy Consumerism, Environmental Education, Urban Sprawl, Human health, Environmental Ethics, Concept of Green Building, Ecological Foot Print, Life Cycle assessment (LCA), Low carbon life style.

#### SUGGESTED TEXT BOOKS:

- 1 Textbook of Environmental Studies for Undergraduate Courses by Erach Bharucha for University Grants Commission.
- 2 Environmental Studies by R. Rajagopalan, Oxford University Press.

#### REFERENCE BOOKS: [www.universityupdates.in](http://www.universityupdates.in)

1. Environmental Science: towards a sustainable future by Richard T.Wright. 2008 PHI Learning Private Ltd. New Delhi.
2. Environmental Engineering and science by Gilbert M.Masters and Wendell P. Ela .2008 PHI Learning Pvt. Ltd.
3. Environmental Science by Daniel B.Botkin & Edward A.Keller, Wiley INDIA edition.
4. Environmental Studies by Anubha Kaushik, 4<sup>th</sup> Edition, New age international publishers.
5. Text book of Environmental Science and Technology - Dr. M. Anji Reddy 2007, BS Publications.

[www.universityupdates.in](http://www.universityupdates.in) or [www.android.in](http://www.android.in)





# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

## B. PHARMACY I YEAR COURSE STRUCTURE AND SYLLABUS

Effective from Academic Year 2017-18 Admitted Batch

### I Year I semester

S. No	Course Code	Subject	L	T	P	Credits
1	PS101	Human Anatomy and Physiology I	3	1	-	3
2	PS102	Pharmaceutical Analysis I	3	1	-	3
3	PS103	Pharmaceutics I	3	1	-	3
4	PS104	Pharmaceutical Inorganic Chemistry-I	3	1	-	3
5	HS105	Communication skills	2	-	-	2
6	BS106/BS107	Remedial Biology <sup>*</sup> / Remedial Mathematics <sup>*</sup>	2 <sup>*</sup> /3 <sup>*</sup>	-	-	2 <sup>*</sup> /3 <sup>*</sup>
7	PS108	Human Anatomy and Physiology-I lab	-	-	4	2
8	PS109	Pharmaceutical Analysis-I lab	-	-	4	2
9	PS110	Pharmaceutics I lab	-	-	4	2
10	PS111	Pharmaceutical Inorganic Chemistry-I lab	-	-	2	1
11	HS112	Communication skills lab	-	-	2	1
12	BS113	Remedial Biology lab	-	-	2	1
<b>Total</b>			<b>16/17</b>	<b>4</b>	<b>20</b>	<b>26<sup>*</sup>/26<sup>*</sup></b>

<sup>\*</sup>Applicable ONLY for the students who have studied Mathematics / Physics / Chemistry at HSC and appearing for Remedial Biology (RB) course.

<sup>\*</sup>Applicable ONLY for the students who have studied Physics / Chemistry / Botany / Zoology at HSC and appearing for Remedial Mathematics (RM) course.

### I Year II semester

S. No	Course Code	Subject	L	T	P	Credits
1	PS201	Human Anatomy and Physiology II	3	1	-	3
2	PS202	Pharmaceutical Organic Chemistry I	4	1	-	4
3	BS203	Biochemistry	3	1	-	3
4	BS204	Pathophysiology	3	-	-	3
5	CS205	Computer Applications in Pharmacy	-	-	4	2
6	PS206	Human Anatomy and Physiology II lab	-	-	4	2
7	PS207	Pharmaceutical Organic Chemistry I lab	-	-	4	2
8	BS208	Biochemistry lab	-	-	2	1
9	CS209	Computer Applications in Pharmacy lab	-	-	-	-
10	*MC200	NSS	16	4	14	23
<b>Total</b>			<b>16</b>	<b>4</b>	<b>14</b>	<b>23</b>

\*MC - Mandatory Course - Satisfactory/ Unsatisfactory.

[Type text]



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**B. PHARMACY II YEAR SYLLABUS (R17)**

**Effective from Academic Year 2017-18 Admitted Batch**

**II YEAR I SEMESTER**

S. No	Course Code	Course Title	L	T	P	Credits
1	PS301	Pharmaceutical Organic Chemistry-II	3	1	0	4
2	PS302	Physical Pharmaceutics-I	3	1	0	4
3	BS303	Pharmaceutical Microbiology	3	1	0	4
4	PC304	Pharmaceutical Engineering	3	1	0	4
5	PS305	Pharmaceutical Organic Chemistry-II Lab	0	0	4	2
6	PS306	Physical Pharmaceutics-I Lab	0	0	4	2
7	BS307	Pharmaceutical Microbiology Lab	0	0	4	2
8	PC308	Pharmaceutical Engineering Lab	0	0	4	2
9	*MC300	NSO	0	0	0	0
		<b>Total Credits</b>	<b>12</b>	<b>04</b>	<b>17</b>	<b>24</b>

**II YEAR II SEMESTER**

S. No	Course Code	Course Title	L	T	P	Credits
1	PS401	Pharmaceutical Organic Chemistry-III	3	1	0	4
2	PC402	Medicinal Chemistry-I	3	1	0	4
3	PS403	Physical Pharmaceutics-II	3	1	0	4
4	PC404	Pharmacology-I	3	1	0	4
5	PC405	Pharmacognosy and Phytochemistry-I	3	1	0	4
6	PC406	Medicinal Chemistry-I Lab	0	0	4	2
7	PS407	Physical Pharmaceutics-II Lab	0	0	4	2
8	PC408	Pharmacology-I Lab	0	0	4	2
9	PC409	Pharmacognosy and Phytochemistry-I Lab	0	0	4	2
10	*MC400	Gender Sensitization Lab	1	0	0	0
		<b>Total Credits</b>	<b>16</b>	<b>05</b>	<b>16</b>	<b>28</b>

**\*MC-Satisfactory/Dissatisfactory**





**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**  
**B. PHARMACY III YEAR COURSE STRUCTURE AND SYLLABUS**

**Effective from Academic Year 2017-18 Admitted Batch**

**III Year I Semester**

S. No.	Course Code	Course Title	L	T	P	Credits
1	PS501	Medicinal Chemistry II	3	1	0	4
2	PS502	Industrial Pharmacy - I	3	1	0	4
3	PS503	Pharmacology II	3	1	0	4
4	PS504	Pharmacognosy and Phytochemistry - II	3	1	0	4
5	PS505 PS506 PS507 PS508	<b>Open Elective - I</b> I. Generic Product Development II. Green Chemistry III. Cell and Molecular Biology IV. Cosmetic science				
6	PS509	Industrial Pharmacy lab	0	0	4	2
7	PS510	Pharmacology - II lab	0	0	4	2
8	PS511	Pharmacognosy and Phytochemistry - II lab	0	0	4	2
9	*MC500	Environmental sciences	1	0	0	0
<b>Total</b>			<b>16</b>	<b>05</b>	<b>12</b>	<b>26</b>

**III Year II Semester**

S. No.	Course Code	Course Title	L	T	P	Credits
1	PS601	Medicinal Chemistry - III	3	1	0	4
2	PS602	Pharmacology - III	3	1	0	4
3	PS603	Herbal Drug Technology	3	1	0	4
4	PS604	Biopharmaceutics and Pharmacokinetics	3	1	0	4
5	PS605 PS606 PS607 PS608	<b>Open Elective - II</b> I. Pharmaceutical Quality Assurance II. Pharmaceutical Biotechnology III. Bioinformatics IV. Screening Methods in Pharmacology				
6	PS609	Medicinal chemistry - III lab	0	0	4	2
7	PS610	Pharmacology - III lab	0	0	4	2
8	PS611	Herbal Drug Technology lab	0	0	4	2
9	*MC600	Human Values and Professional Ethics	1	0	0	0
<b>Total</b>			<b>16</b>	<b>05</b>	<b>12</b>	<b>26</b>



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**  
**B. PHARMACY IV YEAR COURSE STRUCTURE AND SYLLABUS**

Effective from Academic Year 2017-18 Admitted Batch

**IV Year I Semester**

S.No	Course Code	Course Title	L	T	P	Credits
1	PS701	Instrumental Methods of Analysis	3	1	0	4
2	PS702	Industrial Pharmacy-II	3	1	0	4
3	PS703	Pharmacy Practice	3	1	0	4
4	PS704	Novel Drug Delivery Systems	3	1	0	4
5	PS705 PS706 PS707 PS708	<b>Open Elective - III</b> i. Pharmaceutical Marketing ii. Pharmaceutical Regulatory Science iii. Pharmacovigilance iv. Quality Control and Standardization of Herbals				
6	PS709	Instrumental Methods of Analysis Lab	0	0	4	2
7	PS710	Practice School	0	0	4	2
8	PS711	Industrial Training	0	0	2	1
<b>Total</b>			<b>15</b>	<b>5</b>	<b>10</b>	<b>25</b>

**IV Year II Semester**

S.No	Course Code	Course Title	L	T	P	Credits
1	PS801	Biostatistics and Research Methodology	3	1	0	4
2	PS802	Social and Preventive Pharmacy	3	1	0	4
3	PS803	Pharmaceutical Jurisprudence	3	0	0	3
4	PS804 PS805 PS806 PS807	<b>Open Elective - IV</b> i. Computer Aided Drug Design ii. Nano Technology iii. Experimental Pharmacology iv. Advanced Instrumentation Techniques				
5	PS808	Project Work	0	0	6	3
<b>Total</b>			<b>12</b>	<b>3</b>	<b>6</b>	<b>18</b>





9. PHARM-PROJECT TITLE LIST 2022:

BATCH NO	Sl. No	Guide Name	Project Title
1	18171K0049	Dr. Namrata S	Analytical Method Development and Validation of Mefenamic Acid Hydrochloride by using RP HPLC Method
	18171K0050		
	18171K0051		
	18171K0052		
	18171K0053		
2	18171K0044	Mrs. Kabita Bani	Formulation and Evaluation of Ionized Microbeads
	18171K0045		
	18171K0046		
	18171K0047		
	18171K0048		
3	18171K0054	Mrs. Joyoti Sahu	Evaluation of Phytochemical Constituents of Pomegranate and Review of its Therapeutic Benefits
	18171K0055		
	18171K0056		
	18171K0057		
	18171K0058		
4	18171K0054	Mrs. Anjali Fatima	Formulation and Evaluation of the Microsponges loaded with Combination of two Antifungal agents for Transdermal Drug Delivery
	18171K0055		
	18171K0056		
	18171K0057		
	18171K0058		
5	18171K0060	Mrs. Richa Nivedita	Development of HPLC Methods for Betadockers
	18171K0061		
	18171K0062		
	18171K0063		
	18171K0064		
6	18171K0058	Dr. J. Bhaskar	Formulation and Evaluation of Alendronate Fast Dissolving Tablets
	18171K0060		
	18171K0061		
	18171K0062		
	18171K0063		
7	18171K0059	Dr. Rajan	Study of various Phytochemicals Derived from Ayurvedic Medicines Using Qualitative Estimation and Infrared Parameters
	18171K0060		
	18171K0061		
	18171K0062		
	18171K0063		
8	18171K0059	Dr. Rajan	Over the Counter Sale of Disinfectants
	18171K0060		
	18171K0061		
	18171K0062		
	18171K0063		



Principal  
Bharati Institute of Technology  
WISDOM BEGETS KNOWLEDGE  
No. 50, 50/1, 50/2, 50/3, 50/4, 50/5, 50/6, 50/7, 50/8, 50/9, 50/10, 50/11, 50/12, 50/13, 50/14, 50/15, 50/16, 50/17, 50/18, 50/19, 50/20, 50/21, 50/22, 50/23, 50/24, 50/25, 50/26, 50/27, 50/28, 50/29, 50/30, 50/31, 50/32, 50/33, 50/34, 50/35, 50/36, 50/37, 50/38, 50/39, 50/40, 50/41, 50/42, 50/43, 50/44, 50/45, 50/46, 50/47, 50/48, 50/49, 50/50, 50/51, 50/52, 50/53, 50/54, 50/55, 50/56, 50/57, 50/58, 50/59, 50/60, 50/61, 50/62, 50/63, 50/64, 50/65, 50/66, 50/67, 50/68, 50/69, 50/70, 50/71, 50/72, 50/73, 50/74, 50/75, 50/76, 50/77, 50/78, 50/79, 50/80, 50/81, 50/82, 50/83, 50/84, 50/85, 50/86, 50/87, 50/88, 50/89, 50/90, 50/91, 50/92, 50/93, 50/94, 50/95, 50/96, 50/97, 50/98, 50/99, 50/100, 50/101, 50/102, 50/103, 50/104, 50/105, 50/106, 50/107, 50/108, 50/109, 50/110, 50/111, 50/112, 50/113, 50/114, 50/115, 50/116, 50/117, 50/118, 50/119, 50/120, 50/121, 50/122, 50/123, 50/124, 50/125, 50/126, 50/127, 50/128, 50/129, 50/130, 50/131, 50/132, 50/133, 50/134, 50/135, 50/136, 50/137, 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50/1011, 50/1012, 50/1013, 50/1014, 50/1015, 50/1016, 50/1017, 50/1018, 50/1019, 50/1020, 50/1021, 50/1022, 50/1023, 50/1024, 50/1025, 50/1026, 50/1027, 50/1028, 50/1029, 50/1030, 50/1031, 50/1032, 50/1033, 50/1034, 50/1035, 50/1036, 50/1037, 50/1038, 50/1039, 50/1040, 50/1041, 50/1042, 50/1043, 50/1044, 50/1045, 50/1046, 50/1047, 50/1048, 50/1049, 50/1050, 50/1051, 50/1052, 50/1053, 50/1054, 50/1055, 50/1056, 50/1057, 50/1058, 50/1059, 50/1060, 50/1061, 50/1062, 50/1063, 50/1064, 50/1065, 50/1066, 50/1067, 50/1068, 50/1069, 50/1070, 50/1071, 50/1072, 50/1073, 50/1074, 50/1075, 50/1076, 50/1077, 50/1078, 50/1079, 50/1080, 50/1081, 50/1082, 50/1083, 50/1084, 50/1085, 50/1086, 50/1087, 50/1088, 50/1089, 50/1090, 50/1091, 50/1092, 50/1093, 50/1094, 50/1095, 50/1096, 50/1097, 50/1098, 50/1099, 50/1100, 50/1101, 50/1102, 50/1103, 50/1104, 50/1105, 50/1106, 50/1107, 50/1108, 50/1109, 50/1110, 50/1111, 50/1112, 50/1113, 50/1114, 50/1115, 50/1116, 50/1117, 50/1118, 50/1119, 50/1120, 50/1121, 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9.	18171R0013	Ms. Pushpa Twila	Formulation and Evaluation of Polyherbal Handwash with Potential Antibacterial Activity
	18171R0014		
	18171R0026		
	18171R0029		
	18171R0030		
10.	18171R0031	Mrs. Harita	Exploration of Potential Antitumor Activity of Marine Product Chlorella
	18171R0032		
	18171R0069		
	18171R0070		
	18171R0071		
11.	18171R0072	Dr. Srikanth	Biological Evaluation of Essential Natural Oils as Potential Antibacterial Agents
	16171R0067		
	16171R0068		
	17171R0005		
	17171R0029		
12.	17171R0058	Mrs. Azka Fatima	Development and Validation of RP-HPLC Method for the Estimation of Iloperidone in Bulk and Tablet Dosage Form
	18171R0015		
	18171R0016		
	18171R0017		
	18171R0018		
13.	18171R0019	Mrs. Azka Fatima	Analytical Method Development and Validation for the Determination of Anastrozole in Pharmaceutical Dosage Form by RP-HPLC.
	18171R0073		
	18171R0074		
	18171R0078		
	18171R0033		
14.	18171R0034	Dr. Sibnath Kamila	Formulation And Evaluation of Herbal Gel having Analgesic Action.
	18171R0035		
	18171R0036		
	18171R0037		
	18171R0020		
15.	18171R0021	Dr. Mutahar	Studies on Formulation and Characterization of Acyclovir Sustained Release Matrix Tablets by Using Natural Polymers.
	18171R0023		
	18171R0024		
	18171R0025		
	18171R0058		
16.	18171R0059	Dr. Mutahar	Formulation And Evaluation of Nicotinic Acid.
	18171R0060		
	18171R0061		



**Bharat Institute of Technology**  
 R.R. Dikshu - 501 510, Telangana



**BHARAT INSTITUTE OF TECHNOLOGY**  
MANGALPALLY, IBRAHIMPATNAM, HYDERABAD

**B. PHARM 4<sup>TH</sup> YR PROJECT**

**ATTENDANCE SHEET**

S. No	Roll No	Student Name
1.	16171R0067	S. Ganesh
2.	16171R0068	Hidayath Khan
3.	17171R0005	B. Sai Charan Goud
4.	17171R0029	K. Raghavendhar
5.	17171R0058	P. Venkatesh
6.	17171R0060	P. Akhila
7.	18171R0001	Ambati Harika
8.	18171R0002	Ardha Jashwanth Reddy
9.	18171R0003	Akki Reddy Kalyani
10.	18171R0004	Amula .Swetha
11.	18171R0005	Arulmoli Janani
12.	18171R0006	Ayesha Jabeen
13.	18171R0007	B.Shiva Prasad
14.	18171R0008	Balram Shivani
15.	18171R0009	Bhumika Tiwari
16.	18171R0010	Bolgum Gopi Krishna Goud
17.	18171R0011	B. Karma Anusha Kumari
18.	18171R0012	Chakka Aditya Ramakanth
19.	18171R0013	Ch.Nikitha
20.	18171R0014	Chiliveri Prathibha Varshini
21.	18171R0015	Dargi Anand
22.	18171R0016	Dachepally Deekshitha
23.	18171R0017	Dapavath Amar Singh
24.	18171R0018	Dasari Devendhar
25.	18171R0019	Dasari Pavan Kalyan Goud
26.	18171R0020	Duvasi Rakesh
27.	18171R0021	Eedula Chandana
28.	18171R0023	Gorige Ramesh
29.	18171R0024	Hajera Nadia
30.	18171R0025	Jadhav Shruthi
31.	18171R0026	Konkayala Abhilash Reddy
32.	18171R0029	Komittyshtetty Sravan Kumar
33.	18171R0030	Kalam Thriveni
34.	18171R0031	Kayiti Manasa
35.	18171R0032	Kethavath Manjula
36.	18171R0033	Kunal Biyani



**PRINCIPAL**  
Bharat Institute of Technology  
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37.	18171R0034	Marri Abhishiek
38.	18171R0035	M Sunil Kumar
39.	18171R0036	Maddu Divya
40.	18171R0037	Manal Reecha
41.	18171R0038	Manda Bharath
42.	18171R0040	Mohammad Wajeed
43.	18171R0041	Merceddy Vamshidhar Reddy
44.	18171R0042	Mergi Anil Joshi
45.	18171R0043	Moreddy Shiva Kumar
46.	18171R0044	Motam Santhosh
47.	18171R0045	Mudavath Pooja
48.	18171R0046	Mummadi Swathi
49.	18171R0047	Nadeem
50.	18171R0048	Pandiri Pavithra
51.	18171R0049	Pampari.Jagannath
52.	18171R0050	Pandi Jhansi
53.	18171R0051	Pasham Mahesh Reddy
54.	18171R0052	P Naga Maha Laxmi Prasanna
55.	18171R0053	Rangineni. Sanath Kumar
56.	18171R0054	Railla Swathi
57.	18171R0055	Rapelly.Rajeshwari
58.	18171R0056	Rizwana Begum
59.	18171R0057	S.Ranjith Reddy
60.	18171R0058	Varaganti Saiprasanna
61.	18171R0059	Shreeya Salunke
62.	18171R0060	Sirigiri Bhargavi
63.	18171R0061	Surigala Shiva Kumar
64.	18171R0062	Surigi Pavan Kalyan
65.	18171R0064	Tammineni Mallikharjuna Reddy
66.	18171R0065	Thammali Siddhartha
67.	18171R0066	Ummelvar Prathibha
68.	18171R0069	Vadtya Arun
69.	18171R0070	Vemani Shirisha
70.	18171R0071	Vemula Spandana
71.	18171R0072	Sunil Waghmare
72.	18171R0073	Yaramala Srinivasreddy
73.	18171R0074	Yamjala Ravali
74.	18171R0078	Boda.Aravind
75.	18171R0079	Jadhav Nitesh
76.	15171R0045	K. Raj Kumar
77.	15171R0054	R. Gopi Krishna Reddy
78.	15171R0064	C. Vamshi
79.	15171R0066	M. Chaitanya Srikrishna



*Ch. S. U. S. H.*  
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# BHARAT INSTITUTE OF TECHNOLOGY MANGALPALLY, IBRAHIMPATNAM, HYDERABAD

## B. PHARM IV YR II SEM PROJECT REVIEW, JUNE'2022

### ATTENDANCE SHEET

S. No	Roll No	Student Name	Signature
1.	16171R0067	S. Ganesh	
2.	16171R0068	Hidayath Khan	
3.	17171R0005	B. Sai Charan Goud	
4.	17171R0029	K. Raghavendhar	
5.	17171R0058	P. Venkatesh	
6.	17171R0060	P. Akhila	
7.	18171R0001	Ambati Harika	
8.	18171R0002	Ardha Jashwanth Reddy	
9.	18171R0003	Akki Reddy Kalyani	
10.	18171R0004	Amula Swetha	
11.	18171R0005	Arulmoli Janani	
12.	18171R0006	Ayesha Jabeen	
13.	18171R0007	B. Shiva Prasad	
14.	18171R0008	Balram Shivani	
15.	18171R0009	Bhuanika Tiwari	
16.	18171R0010	Bolgum Gopi Krishna Goud	
17.	18171R0011	B. Karma Anusha Kumari	
18.	18171R0012	Chakka Aditya Ramakanth	
19.	18171R0013	Ch. Nikitha	
20.	18171R0014	Chiliveri Prathibha Varshini	
21.	18171R0015	Dargi Anand	
22.	18171R0016	Dachepally Deekshitha	
23.	18171R0017	Dapavathi Amar Singh	
24.	18171R0018	Dasari Devendhar	
25.	18171R0019	Dasari Pavan Kalyan Goud	
26.	18171R0020	Duvasi Rakesh	
27.	18171R0021	Eedula Chandana	
28.	18171R0023	Gorige Ramesh	
29.	18171R0024	Hajera Nadia	
30.	18171R0025	Jadhav Shruthi	
31.	18171R0026	Konkayala Abhilash Reddy	
32.	18171R0029	Komittishetty Sravan Kumar	
33.	18171R0030	Kalam Thriveni	
34.	18171R0031	Kayiti Manasa	
35.	18171R0032	Kethavath Manjula	
36.	18171R0033	Kunal Biyani	
37.	18171R0034	Marri Abhishiek	
38.	18171R0035	M. Sunil Kumar	
39.	18171R0036	Mandu Divya	



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R.R. Dist - 501 510, Telangana.



40	1811R0001	Manal Resha	<i>[Signature]</i>
41	1811R0018	Manu Rharath	<i>[Signature]</i>
42	1811R0040	Mechanmal Wajeev	<i>[Signature]</i>
43	1811R0041	Messdy Vairudhhan Reddy	<i>[Signature]</i>
44	1811R0042	Megh Anil Joshi	<i>[Signature]</i>
45	1811R0043	Messdy Shiva Kumar	<i>[Signature]</i>
46	1811R0044	Mesam Santhosh	<i>[Signature]</i>
47	1811R0045	Mudavath Pasya	<i>[Signature]</i>
48	1811R0046	Munimadi Swathi	<i>[Signature]</i>
49	1811R0047	Nakson	<i>[Signature]</i>
50	1811R0048	Pandur Pavithra	<i>[Signature]</i>
51	1811R0049	Pampuri Jagannath	<i>[Signature]</i>
52	1811R0050	Panda Ramesh	<i>[Signature]</i>
53	1811R0051	Pacham Mahesh Reddy	<i>[Signature]</i>
54	1811R0052	P Naga Mahalaxmi Prasanna	<i>[Signature]</i>
55	1811R0053	Ranganeni Sanath Kumar	<i>[Signature]</i>
56	1811R0054	Raula Swathi	<i>[Signature]</i>
57	1811R0055	Raselli Kapeshwar	<i>[Signature]</i>
58	1811R0056	Rizwana Begum	<i>[Signature]</i>
59	1811R0057	S Rajith Reddy	<i>[Signature]</i>
60	1811R0058	Varagani Sayasanna	<i>[Signature]</i>
61	1811R0059	Shreeva Salunke	<i>[Signature]</i>
62	1811R0060	Surguri Bhargavi	<i>[Signature]</i>
63	1811R0061	Surjala Shiva Kumar	<i>[Signature]</i>
64	1811R0062	Surugi Pavan Kalyan	<i>[Signature]</i>
65	1811R0064	Tammisetti Mallikharjuna Reddy	<i>[Signature]</i>
66	1811R0065	Thammali Sukhartha	<i>[Signature]</i>
67	1811R0066	Tinnichai Prathibha	<i>[Signature]</i>
68	1811R0069	Vadysa Arun	<i>[Signature]</i>
69	1811R0070	Venani Shristha	<i>[Signature]</i>
70	1811R0071	Venula Spandana	<i>[Signature]</i>
71	1811R0072	Sunil Waghmare	<i>[Signature]</i>
72	1811R0073	Yaramala Srinivasreddy	<i>[Signature]</i>
73	1811R0074	Yanjala Ravali	<i>[Signature]</i>
74	1811R0078	Reda Aravind	<i>[Signature]</i>
75	1811R0079	Jadhav Nitesh	<i>[Signature]</i>
76	1811R0045	K. Raj Kumar	<i>[Signature]</i>
77	1811R0084	R. Gopi Krishna Reddy	<i>[Signature]</i>
78	1811R0064	C. Vanshi	<i>[Signature]</i>
79	1811R0060	M. Chaitanya Srikrishna	<i>[Signature]</i>

Presentees: 18 Absentees: 05 Total no of Students: 79

Signature of C/I: *[Signature]* Academic In-charge: *[Signature]* PRINCIPAL






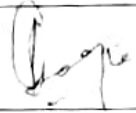
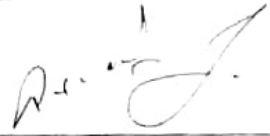


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R.A. B.Sc. 10150 10150



**BHARAT INSTITUTE OF TECHNOLOGY**  
**Mangalpally, Ranga Reddy**  
**B.PHARMACY IV YEAR II SEMESTER-2022**  
**PROJECT REVIEW MEETING 1-Recommendations**

NOTE: As per the review meeting conducted on 13/6/22 the following are the recommendations to the respective guides.

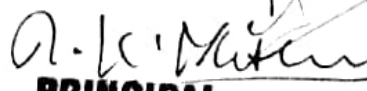
S.No	Guide	Recommendations	Signature
8	Dr S.Namratha	<ul style="list-style-type: none"> <li>➤ Aim and Need of study to be focused</li> <li>➤ Review slides to be verified</li> <li>➤ Simultaneous estimation to be corrected</li> </ul>	
9	Mrs Jyothis Sahu	<ul style="list-style-type: none"> <li>➤ The work is not suitable for publication</li> <li>➤ Recommended to revise the work</li> <li>➤ Suggested to emphasize on the adulteration to improve the work</li> <li>➤ No justification of Title-Ascertaining</li> </ul>	
10	Mrs Amatul Fatima	<ul style="list-style-type: none"> <li>➤ TDDS evaluation studies not done</li> <li>➤ Recommended to incorporate the relevant test for the evaluation</li> </ul>	
11	Mrs Azka Fatima	<ul style="list-style-type: none"> <li>➤ Aim and Need of study to be focused</li> <li>➤ Contents of the work not included</li> <li>➤ Thorough check of the PPT is recommended</li> </ul>	
12	Mrs Azka Fatima (Batch 2)	<ul style="list-style-type: none"> <li>➤ Aim and Need of study to be focused</li> <li>➤ Contents of the work not included</li> <li>➤ Thorough check of the PPT is recommended</li> </ul>	
13	Mrs P.Haritha	<ul style="list-style-type: none"> <li>➤ Reference of the marine source procurement to be included</li> <li>➤ PPT to be completed</li> </ul>	
14	Dr R.K Muthahar	<ul style="list-style-type: none"> <li>➤ Submit the soft Copy (PPT)</li> </ul>	

  
**Academic In-charge**

  
**PRINCIPAL**



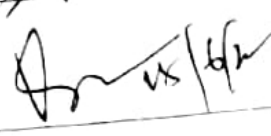




  
**DIRECTOR**



  
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**R.R. Dist - 501 510, Telangana.**

**BHARAT INSTITUTE OF TECHNOLOGY**  
Mangalpally, Ranga Reddy  
**B.PHARMACY IV YEAR II SEMESTER-2022**  
**PROJECT REVIEW MEETING 1-Recommendations**

NOTE: As per the review meeting conducted on 13/6/22 the following are the recommendations to the respective guides.

S.No	Guide	Recommendations	Signature
1	Dr K. Shibnath	<ul style="list-style-type: none"> <li>➤ Methodology to be projected</li> <li>➤ Analgesic and Anti-inflammatory evaluation not done</li> <li>➤ Please redefine the title accordingly</li> </ul>	
2	Ms Rachel Nivedita	<ul style="list-style-type: none"> <li>➤ Introduction is vast</li> <li>➤ Need of study and Aim not specific</li> </ul>	
3	Dr Kalyani G	<ul style="list-style-type: none"> <li>➤ <i>In silico</i> studies to be tabulated</li> <li>➤ Methodology to be mentioned with the software tools used</li> <li>➤ Tables to be made clear</li> </ul>	
4	Ms Twyla Pushpa	<ul style="list-style-type: none"> <li>➤ Formulation- formula to be mentioned</li> <li>➤ Rationale behind the selection of Ingredients is not clear</li> <li>➤ <i>In vitro</i> evaluation tests are recommended</li> </ul>	
5	Mrs Kabita Banik	<ul style="list-style-type: none"> <li>➤ Need of study and Aim not specific</li> <li>➤ Micro beads evaluation tests to be focused</li> <li>➤ Graphs and Data mismatching</li> <li>➤ Evaluation study duration should be revised</li> </ul>	
6	Ms Nahid	<ul style="list-style-type: none"> <li>➤ Aim and Need of study to be focused</li> <li>➤ Review slides to be verified</li> <li>➤ Include the survey data form (Sample)</li> <li>➤ Justification of the study for awareness to be focused</li> <li>➤ Conclusion should be specific to title</li> </ul>	
7	Dr J Bhasker	<ul style="list-style-type: none"> <li>➤ Review of literature to be incorporated</li> <li>➤ Rationale of the work to be focused clearly</li> </ul>	

Academic In-charge



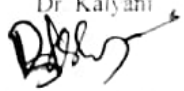




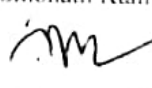
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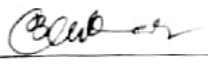

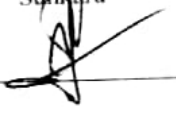

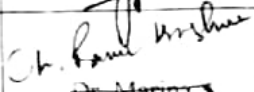







**B. PHARM IV YR II SEM  
GUIDE ALLOTMENT FOR IV/II PROJECT**

S. No	Roll No	Student Name	Group Number	Guide name
1.	16171R0067	S. Ganesh	1	Dr. Srikanth Gatadi 
2.	16171R0068	Hidayath Khan		
3.	17171R0005	B. Sai Charan Goud		
4.	17171R0029	K. Raghavendhar		
5.	17171R0058	P. Venkatesh		
6.	17171R0060	P. Akhila	2	Ms. Racheal 
7.	18171R0001	Ambati Harika		
8.	18171R0002	Ardha Jashwanth Reddy		
9.	18171R0003	Akki Reddy Kalyani		
10.	18171R0004	Amula Swetha		
11.	18171R0005	Arulmoli Janani	3	Dr. Kalyani 
12.	18171R0006	Ayesha Jabeen		
13.	18171R0007	B. Shiva Prasad		
14.	18171R0008	Balram Shivani		
15.	18171R0009	Bhumika Tiwari		
16.	18171R0010	Bolgum Gopi Krishna Goud	4	Ms. Nahid 
17.	18171R0011	B. Karma Anusha Kumari		
18.	18171R0012	Chakka Aditya Ramakanth		
19.	18171R0013	Ch. Nikitha		
20.	18171R0014	Chiliveri Prathibha Varshini		
21.	18171R0015	Dargi Anand	5	Mrs. Azka 
22.	18171R0016	Dachepally Deekshitha		
23.	18171R0017	Dapavath Amar Singh		
24.	18171R0018	Dasari Devendhar		
25.	18171R0019	Dasari Pavan Kalyan Goud		
26.	18171R0020	Duvast Rakesh	6	Dr. Sridevi Bheema 
27.	18171R0021	Eedula Chandana		
28.	18171R0023	Gorige Ramesh		
29.	18171R0024	Hajera Nadia		
30.	18171R0025	Jadhav Shruthi		
31.	18171R0026	Konkayala Abhilash Reddy	7	Ms. Twila 
32.	18171R0029	Komittysetty Sravan Kumar		
33.	18171R0030	Kalam Thriveni		
34.	18171R0031	Kayiti Manasa		
35.	18171R0032	Kethavath Manjula		
36.	18171R0033	Kunal Biyani	8	Dr. Shibnath Kamila 
37.	18171R0034	Marri Abhishiek		
38.	18171R0035	M. Sumi Jyoti		
39.	18171R0036	Maddu Divya		
40.	18171R0037	Manal Reecha		



41.	18171R0038	Manda Bharath	9	Dr J.Bhaskar 
42.	18171R0040	Mohammad Wajeed		
43.	18171R0041	Mereddy Vamsidhar Reddy		
44.	18171R0042	Mergi Anil Joshi		
45.	18171R0043	Moreddy Shiva Kumar		
46.	18171R0044	Motam Santhosh	10	Mrs. Kabita Banik 
47.	18171R0045	Mudavath Pooja		
48.	18171R0046	Mummadi Swathi		
49.	18171R0047	Nadeem		
50.	18171R0048	Pandiri Pavithra		
51.	18171R0049	Pampari Jagannath	11	Dr. Narayana Sunkara 
52.	18171R0050	Pandi Jhansi		
53.	18171R0051	Pasham Mahesh Reddy		
54.	18171R0052	P Naga Maha Laxmi Prasanna		
55.	18171R0053	Rangineni. Sanath Kumar		
56.	18171R0054	Railla Swathi	12	Ms. Jyoti Sahu 
57.	18171R0055	Rapelly Rajeshwari		
58.	18171R0056	Rizwana Begum		
59.	18171R0057	S.Ranjith Reddy		
60.	18171R0058	Varaganti Saiprasanna		
61.	18171R0059	Shreeya Salunke	13	Ch. Rami Krishna Dr. Marina Mr. Ramakrishna 
62.	18171R0060	Sirigiri Bhargavi		
63.	18171R0061	Surigala Shiva Kumar		
64.	18171R0062	Surigi Pavan Kalyan		
65.	18171R0064	Tammineni Mallikharjuna Reddy		
66.	18171R0065	Thammali Siddhertha	14	Ms. Beaula 
67.	18171R0066	Ummelvar Prathibha		
68.	18171R0069	Vadtya Arun		
69.	18171R0070	Vemani Shirisha		
70.	18171R0071	Vemula Spandana		
71.	18171R0072	Sunil Waghmare	15	Mrs. P. Haritha 
72.	18171R0073	Yaramala Srinivasreddy		
73.	18171R0074	Yamjala Ravali		
74.	18171R0078	Boda Aravind		
75.	18171R0079	Jadhav Nitesh		
76.	15171R0045	K. Raj Kumar	16	Dr Arifa Begum SK 
77.	15171R0054	R. Gopi Krishna Reddy		
78.	15171R0064	C. Vamshi		
79.	15171R0066	M. Chaitanya Srikrishna		

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 Bharat Institute of Technology  
 Mangalpally, Ibrahimpetnem (M.),  
 R.R. Dist - 501 510, Telangana.





**STUDIES ON FORMULATION AND CHARACTERIZATION OF ACYCLOVIR SUSTAINED  
RELEASE MATRIX TABLETS BY USING NATURAL POLYMERS**

*Dissertation submitted to the*



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

*In partial fulfilment Of the Requirements for the Degree of*

**BACHELOR OF PHARMACY**

**DUVASI RAKESH (18171R0020) EDULA CHANDANA (18171R0021)**

**GORIGE RAMESH (18171R0023) HAJERA NADIA (18171R0024)**

**SHRUTI (18171R0025)**

**Under the Esteemed Guidance of**

**DR.RK.MOHAMMED MUTAHAR**

**Professor & Principal**

**Head of the**

**Department**

**Department of Pharmaceutics**



**BHARAT INSTITUTE OF TECHNOLOGY**

*(Approved by PCI, AICTE New Delhi and affiliated to JNTUH, NAAC Accredited Quality Certified Institution)  
Mangalpally (V), Ibrahimpatnam (M), R.R Dist., Telangana - 501510*

**INDIA  
2022**



*S.S. 18.181*  
**PRINCIPAL**  
**Bharat Institute of Technology**  
**Mangalpally (V), Ibrahimpatnam (M),**  
**R.R. Dist - 501510, Telangana.**



**ANALYTICAL METHOD DEVELOPMENT & VALIDATION FOR THE  
DETERMINATION OF ANASTROZOL IN PHARMACEUTICAL  
DOSAGE FORM BY REVERSE PHASE HPLC METHOD**

**Dissertation submitted to the**



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**  
*In partial fulfilment Of the Requirements for the Degree of*

**BACHELOR OF PHARMACY**

*By*

**Y.Srinivas (18171R0073)**

**Y. Ravali (18171R0074)**

**B.Aravind(18171R0078)**

**Under the Esteemed Guidance of**

**Prof. MRS . Azka Fathima**

**Professor**

**Head of the Department**

**Department of Pharmaceutical analyss PA&QA**



**BHARAT INSTITUTE OF TECHNOLOGY**

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Certified Institution)**

**Mangalpally (V), Ibhrahimpatnam (M), R.R Dist.,**

**Telangana – 501510**

**INDIA**

**JUNE 2022**



*Ch. S. V. S. R.*

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Mangalpally (V), Ibrehimpatnam (M),  
R.R. Dist - 501 510, Telangana**





**BHARAT INSTITUTE OF TECHNOLOGY**  
**MANGALPALLY, IBRAHIMPATNAM, HYDERABAD**  
**V YR PHARM D**

SL. No.	Hall Ticket No.	Name
1.	15171T0023	Syed Najamuddin Khundmiri
2.	14171T0024	Mandadi Sudesh
3.	16171T0001	Manju Sada Shanker
4.	16171T0002	Ambadipally Laharika
5.	16171T0003	Shik Meheb Shehenaaz Kauser
6.	16171T0004	Mali Sai Sree
7.	16171T0005	Kokkerala Pooja
8.	16171T0007	Somagani Chaitanya
9.	16171T0008	Mettu Archana Goud
10.	16171T0009	Sukaina Shabbir Karjatwalla
11.	16171T0010	Palepu Mani Ramya
12.	16171T0011	Kulsoom Fatima
13.	16171T0012	Billakuduru Srija
14.	16171T0013	Beerum Induja
15.	16171T0014	Saiharshini Yabaluri
16.	16171T0015	P Hima Chandana Sai Rupa
17.	16171T0016	Kalvakollu Keerthi
18.	16171T0017	Orsu Vaishnavi
19.	16171T0018	Kadaparthi Amulya
20.	16171T0019	Indrani Biswas
21.	16171T0020	Qamar Masood
22.	16171T0021	Bavu Akhil Kumar
23.	16171T0022	Mohammad Junaid Ahmed
24.	16171T0023	B Balu
25.	16171T0024	Dontha Saipranav
26.	16171T0025	Parupalli Kranthi Kiran Reddy
27.	16171T0026	G Naveen Kumar
28.	16171T0027	Mandhala Saikrishna
29.	16171T0028	Challam Venu



*(Handwritten Signature)*

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**MANGALPALLY, IBRAHIMPATNAM, HYDERABAD**

**V YR PHARM D PROJECT**  
**ATTENDANCE SHEET**

SL. No.	Hall Ticket No.	Name
1.	17171T0001	Aayushi Jaiswal
2.	17171T0002	B R Pratibha
3.	17171T0003	Challa Vineeth Reddy
4.	17171T0004	Gajjala Sankeerthana
5.	17171T0005	Gudipati Anusha
6.	17171T0006	Gujjula Harshavardhan Reddy
7.	17171T0007	Guntuka Varsha Reddy
8.	17171T0008	K Ravali
9.	17171T0009	Koppu Soma Shekar
10.	17171T0010	Layasri Putta
11.	17171T0011	M Srivarshini
12.	17171T0012	Mathangi Susan Zion
13.	17171T0013	Nafia Sultana
14.	17171T0014	Neel Sai Kumar
15.	17171T0015	P Pravalika Reddy
16.	17171T0016	Patlolla Akshitha Reddy
17.	17171T0017	PGK Chandana
18.	17171T0018	Shafia Jameel
19.	17171T0019	Voraganti Aishwarya



*S. S. R. V. S. R.*  
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R.R. Dist - 501 510, Telangana.







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Mangalpally (Village), Ibrahimpatnam (Mandal), Rangla Reddy District - 501 510  
Ph : 08414-252205, Fax : 08414-252611 E-mail : bharatinfo@yahoo.com



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Mangalpally (V), Ibrahimpatnam (M), R.R. Dist - 501 510, Telangana, India.

### Certificate of Stewardship



This is to certify that

Mr. DONTORA SAI SURENDRA

Roll No. 1617170024

of Bharat Institute of Technology (Pharmacy) Ibrahimpatnam, Hyderabad  
has successfully completed the Pharm.D Internship at  
Kishore Institute of Medical Sciences, Secunderabad  
in the following units/departments as prescribed under regulation 16 and  
Appendix C of Pharm.D Regulations 2008

DEPARTMENT	DATE		TOTAL DURATION
	FROM	TO	
GENERAL MEDICINE	07-08-2021	05-02-2022	Six Months
NEPHROLOGY	08-02-2022	07-04-2022	Two Months
ONCOLOGY	11-04-2022	18-06-2022	Two Months
CARDIOLOGY	12-06-2022	12-08-2022	Two Months



Principal  
Bharat Institute of Technology  
Mangalpally (V), Ibrahimpatnam (M)  
R.R. Dist - 501 510

Medical Superintendent  
KIMS Hospital,  
Secunderabad  
Dr. Santhi Sathu  
Medical Director & M.D. Clinical Care  
KIMS Hospital, Secunderabad

PHARM.D



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Mangalpally (Village), Ibrahimpatnam (Mandali), Ranga Reddy District - 501 510  
Ph : 08414-252265, Fax : 08414-252615, E-mail : bitpharm@yahoo.com

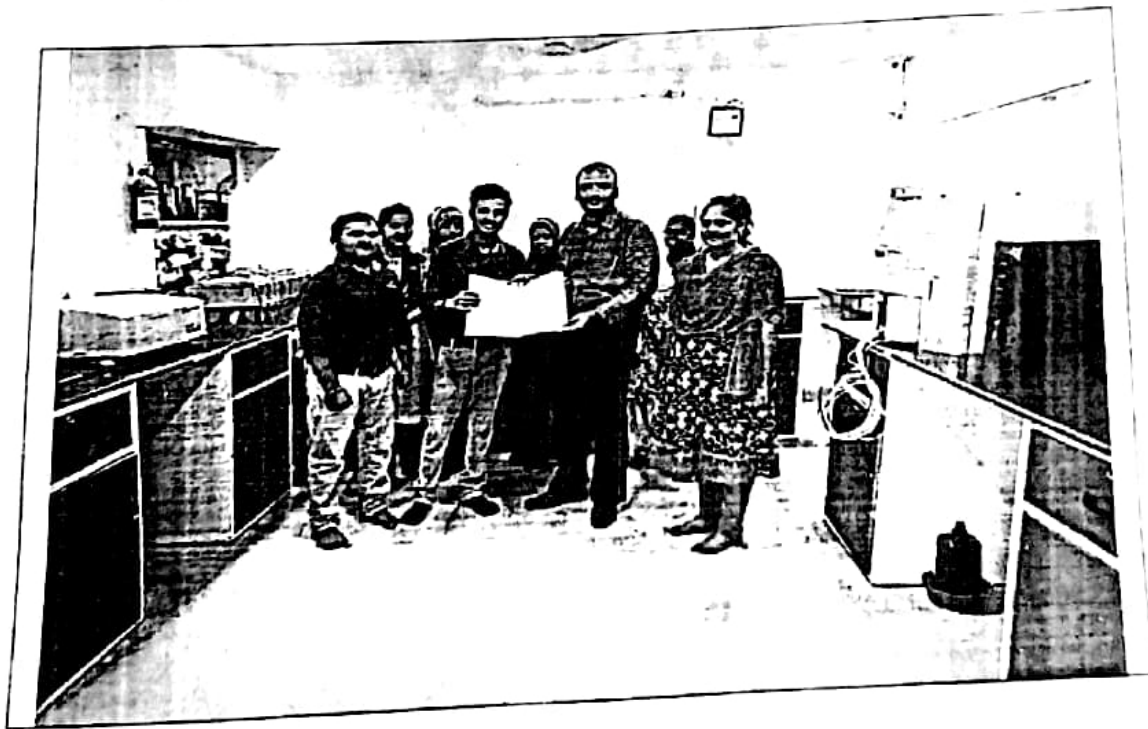
Ref.: BIT/AICTE/MAR/2022-20

DATE: 05/03/2022

## INDUSTRIAL TRAINING

**BHARAT INSTITUTE OF TECHNOLOGY (PHARMACY) HAVING MOU  
(MEMORANDUM OF UNDERSTANDING) WITH FOLLOWING COMPANIES FOR  
INDUSTRIAL TRAINING & PLACEMENTS GUIDANCE**

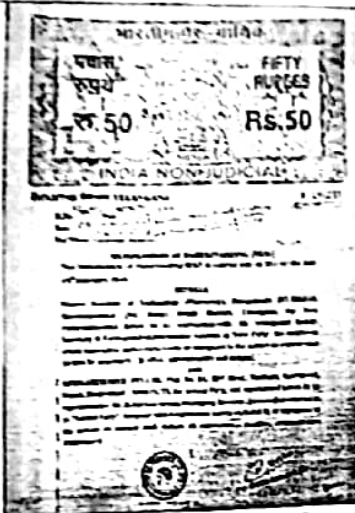
S. No.	Pharmaceutical Company/ Industry
1	Akshaj Molecular Research Pvt., Ltd., Nacharam, Hyderabad, Date: 25-03-2017
2	Jupitor Formulations, IDA - Bhongir, Hyderabad, Date: 09-03-2015
3	Sanjeevani Bio Services Pvt., Ltd., Ameerpet, Hyderabad, Date: 02-03-2019
4	Sura Pharma Labs, Dilsukh Nagar, Hyderabad, Date: 07-02-2019
5	Nishka Research Pvt., Ltd., Hyderabad, Date: 19-02-2019



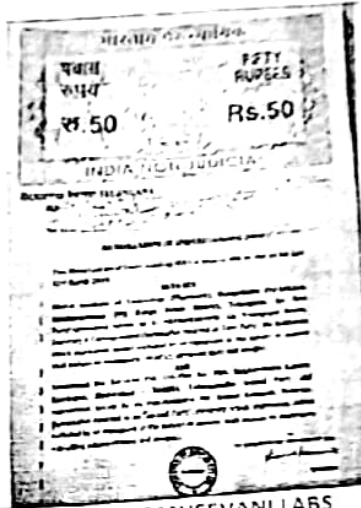
*Q. S. C. 181*

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Bharat Institute of Technology  
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R.R. Dist - 501 510, Telangana.

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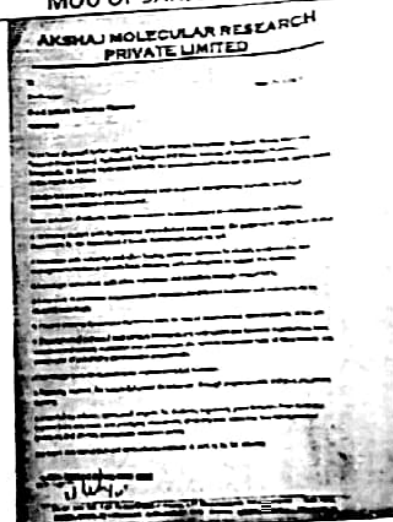
MOU OF NISHKHA LABS



MOU OF SANJEEVANI LABS



MOU OF SURA LABS



MOU OF AKSHAI MOLECULAR RESEARCH



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Bharat Institute of Technology  
Mangalpally (V), Ibrahimpatnam (M),  
R.R. Dist. Pin: 501510

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MEMORANDUM OF UNDERSTANDING

This MOU is made and entered on 16<sup>th</sup> Aug' 2021 in continuation of our earlier MOU made on 14<sup>th</sup> Aug. 2008 and revised on 9<sup>th</sup> Dec' 2010.

BETWEEN

Krishna Institute of Medical Sciences Ltd. 1-8-31/1, Minister Road, Secunderabad-03 hereafter called, as KIMS represented by Prof. (Dr) P. Raja Gopal, Director, Medical Education hereafter called as 'First Party'.

And

Bharat Institute of Technology, Mangalpally (Post), Ibrahimpatnam (Mandal), Ranga Reddy District), Telangana- 501510 sponsored by Chinta Reddy Madhusudhan Reddy Educational Society, hereafter called as BIT, represented by Mr. Ch. Venugopal Reddy Secretary & Correspondent hereafter called as 'Second Party'.

ATTESTED  
MD. SAMIUDDIN

ADVOCATE & NOTARY  
(Appointed by the Govt. of T.S.)  
Telephone Colony, Kothapet, Hyderabad

Ch. Venugopal Reddy  
Secretary & Correspondent

Dr. P. RAJA GOPAL  
B.Sc., MBBS, MS, MCh, MNAMS(CTS), FIAS,  
Director, Medical Education  
Krishna Institution of Medical Sciences Ltd  
Minister Road, Secunderabad-500003



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Ranga Reddy District - 501510, Telangana.



**DEVELOPMENT AND VALIDATION OF RP-HPLC METHOD FOR THE  
ESTIMATION OF LOPERIDONE IN BULK AND TABLET DOSAGE  
FORMS**

*Dissertation submitted to the*



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**  
*In partial fulfillment Of the Requirements for the Degree of*

**BACHELOR OF PHARMACY**

*By*

**D Anand (18171R0015)**

**D Amarsingh (18171R0017)**

**D Deekshitha (18171R0016)**

**D Devendhar (18171R0018)**

**D Pavankalyan goud (18171R0019)**

*Under the Esteemed Guidance of*

**Prof. MRS. Azka Fathima**

*Assistant Professor*

*Department of Pharmaceutical analysis PA&QA*



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*(Approved by PCI, AICTE New Delhi and affiliated to JNTU/H, NAAC Accredited Quality  
Certified Institution)*

**Mangalpally (V), Ibrahimpatnam (M), R.R Dist.,**

**Telangana - 501510**

**INDIA**

**JUNE 2022**



*Dr. S. G. V. S.*

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**Bharat Institute of Technology  
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R.R. Dist - 501 510, Telangana.**

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*Under the Esteemed Guidance of*

**Prof. MRS . Azka Fathima**  
*Assistant Professor*  
**Department of Pharmaceutical analysys PA&QA**



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Telangana - 501510**

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**JUNE 2022**



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**Bharat Institute of Technology**  
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**R.R. Dist. - 501 510, Telangana.**



**ANALYTICAL METHOD DEVELOPMENT & VALIDATION FOR THE  
DETERMINATION OF ANASTROZOL IN PHARMACEUTICAL  
DOSAGE FORM BY REVERSE PHASE HPLC METHOD**

*Dissertation submitted to the*



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**  
*In partial fulfilment Of the Requirements for the Degree of*

**BACHELOR OF PHARMACY**

*By*

**Y.Srinivas (18171R0073)**

**Y. Ravali (18171R0074)**

**B.Aravind(18171R0078)**

**Under the Esteemed Guidance of**

**Prof. MRS . Azka Fathima**

**Professor**

**Head of the Department**

**Department of Pharmaceutical analysys PA&QA**



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**EVALUATION OF MARINE PRODUCT (CHLORELLA) FOR  
ANTI-ULCERATIC ACTIVITY**

*Dissertation submitted to the*



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

*In partial fulfillment Of the Requirements for the Degree of*

**BACHELOR OF PHARMACY**

*By*

**Vadtya Arun (18171R0069)**

**Vemula Spandana (18171R0071)**

**Vemani Shirisha (18171R0070)**

**Sunil Waghmare (18171R0072)**

**Under the Esteemed Guidance of**

**Mrs. Haritha Pasupulati**

**Assistant Professor**

**Department of Pharmacology**



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**Principal  
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Mangalpally (V), Ibrahimpatnam (M),  
R.R. Dist - 501 510, Telangana**



**FORMULATION AND EVALUATION OF FAST DISSOLVING  
ALBENDAZOLE TABLETS**

*Dissertation submitted to the*



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

*In partial fulfillment Of the Requirements for the Degree of*

**BACHELOR OF PHARMACY**

*By*

**M.Bharath (18171R0038)**

**Mohd.Wajeed (18171R0040)**

**M.Vamshidhar Reddy (18171R0041) M.Anil Joshi (18171R0042)**

**M.Shiva Kumar (18171R0043) J.Nitesh (18171R0079)**

*Under the Esteemed Guidance of*

**Dr J BHASKAR**

**Associate Professor**

**Head of the Department**

**Department of Pharmaceutics**



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**JULY 2022**



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## B.Pharm 4<sup>th</sup> year Projects 2018-22

Roll Number	Guide Name	Project Title
18171R0049	Dr. Namratha S.	Analytical Method Development and Validation of Moxifloxacin Hydrochloride by using RP-HPLC Method
18171R0050	Dr. Namratha S.	Do
18171R0051	Dr. Namratha S.	Do
18171R0052	Dr. Namratha S.	Do
18171R0053	Dr. Namratha S.	Do


Roll Number	Guide Name	Project Title
18171R0044	Mrs. Kabita Banik	Formulation and Evaluation of Isoniazid Microbeads
18171R0045	Mrs. Kabita Banik	Do
18171R0046	Mrs. Kabita Banik	Do
18171R0047	Mrs. Kabita Banik	Do
18171R0048	Mrs. Kabita Banik	Do

Roll Number	Guide Name	Project Title
18171R0054	Mrs. Jyoti Sahu	Evaluation of Phytochemical Constituents of Palm Wine and Review of its therapeutic benefits
18171R0055	Mrs. Jyoti Sahu	Do
18171R0056	Mrs. Jyoti Sahu	Do
18171R0057	Mrs. Jyoti Sahu	Do

Roll Number	Guide Name	Project Title
18171R0054	Mrs. Amtul Fatima	Formulation and Evaluation of the Microsponges loaded with Combination of two Antifungal agents for Transdermal Drug Delivery.
18171R0055	Mrs. Amtul Fatima	Do
18171R0056	Mrs. Amtul Fatima	Do
18171R0057	Mrs. Amtul Fatima	Do

Roll Number	Guide Name	Project Title
17171R0060	Mrs. Rechal Nivedita	Development of HPLC Methods for Betablockers
18171R0001	Mrs. Rechal Nivedita	Do
18171R0002	Mrs. Rechal Nivedita	Do
18171R0003	Mrs. Rechal Nivedita	Do



  
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## B.Pharm 4<sup>th</sup> year Projects 2018-22

18171R0004	Mrs. Rechal Nivedita	Do
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Roll Number	Guide Name	Project Title
18171R0038	Dr. J Bhaskar	Formulation and Evaluation of Albendazole Fast Dissolving Tablets.
18171R0040	Dr. J Bhaskar	Do
18171R0041	Dr. J Bhaskar	Do
18171R0042	Dr. J Bhaskar	Do
18171R0043	Dr. J Bhaskar	Do

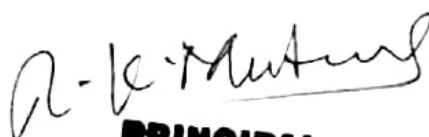
Roll Number	Guide Name	Project Title
18171R0005	Dr. Kalyani	Study of Various Phytochemicals Derived from Aegle Marmelos Using Qualitative Estimation and Insilico Parameters.
18171R0006	Dr. Kalyani	Do
18171R0007	Dr. Kalyani	Do
18171R0008	Dr. Kalyani	Do
18171R0009	Dr. Kalyani	Do

Roll Number	Guide Name	Project Title
18171R0010	Dr. Nahid	Over the Counter Sale of Dispensing Antibiotics in Community Pharmacy
18171R0011	Dr. Nahid	Do
18171R0012	Dr. Nahid	Do
18171R0013	Dr. Nahid	Do
18171R0014	Dr. Nahid	Do

Roll Number	Guide Name	Project Title
18171R0026	Ms. Pushpa Twila	Formulation and Evaluation of Polyherbal Handwash with Potential Antibacterial Activity
18171R0029	Ms. Pushpa Twila	Do
18171R0030	Ms. Pushpa Twila	Do
18171R0031	Ms. Pushpa Twila	Do
18171R0032	Ms. Pushpa Twila	Do

Roll Number	Guide Name	Project Title
18171R0069	Mrs. Harita	Exploration of Potential Antiuro lithiatic Activity of Marine Product Chlorella
18171R0070	Mrs. Harita	Do
18171R0071	Mrs. Harita	Do
18171R0072	Mrs. Harita	Do



  
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## B.Pharm 4<sup>th</sup> year Projects 2018-22

Roll Number	Guide Name	Project Title
16171R0067	Dr. Srikanth	Biological Evaluation of Essential Natural Oils as Potential Antibacterial Agents
16171R0068	Dr. Srikanth	Do
17171R0005	Dr. Srikanth	Do
17171R0029	Dr. Srikanth	Do
17171R0058	Dr. Srikanth	Do

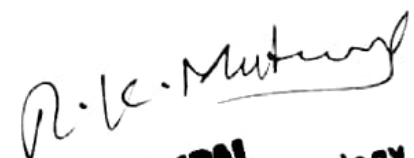
Roll Number	Guide Name	Project Title
18171R0015	Mrs. Azka Fatima	Development and Validation of RP-HPLC Method for the Estimation of Iloperidone in Bulk and Tablet Dosage Form
18171R0016	Mrs. Azka Fatima	Do
18171R0017	Mrs. Azka Fatima	Do
18171R0018	Mrs. Azka Fatima	Do
18171R0019	Mrs. Azka Fatima	Do

Roll Number	Guide Name	Project Title
18171R0073	Mrs. Azka Fatima	Analytical Method Development and Validation for the Determination of Anastrozole in Pharmaceutical Dosage Form by RP-HPLC.
18171R0074	Mrs. Azka Fatima	Do
18171R0078	Mrs. Azka Fatima	Do

Roll Number	Guide Name	Project Title
18171R0033	Dr. Sibnath Kamila	Formulation And Evaluation of Herbal Gel having Analgesic Action.
18171R0034	Dr. Sibnath Kamila	Do
18171R0035	Dr. Sibnath Kamila	Do
18171R0036	Dr. Sibnath Kamila	Do
18171R0037	Dr. Sibnath Kamila	Do

Roll Number	Guide Name	Project Title
18171R0020	Dr. Mutahar	Studies on Formulation and Characterization of Acyclovir Sustained Release Matrix Tablets by Using Natural Polymers.
18171R0021	Dr. Mutahar	Do
18171R0023	Dr. Mutahar	Do
18171R0024	Dr. Mutahar	Do
18171R0025	Dr. Mutahar	Do



  
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## B.Pharm 4<sup>th</sup> year Projects 2018-22

Roll Number	Guide Name	Project Title
18171R0058	Dr. Mutahar	Formulation And invitro Evaluation Of Nicotinic Acid
18171R0059	Dr. Mutahar	Do
18171R0060	Dr. Mutahar	Do
18171R0061	Dr. Mutahar	Do



*A. K. Mutahar*  
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## Certificate of Internship

This is to certify that Mr./Ms. SAMNANI NIKITA  
bearing, H.T. No. 15171T0001 Pharm.D. of Bharat Institute of Technology,  
Mangalpally, Ibrahimpatnam, Hyderabad has successfully completed the internship  
for a period of twelve months during the period from 01/09/2020 to 04/09/21, in  
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regulations and Appendix C of Pharm D Regulations 2008.

  
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This is to certify that Mr./Ms. RATHNAVATH MOUNIKA  
bearing, H.T. No. 15171T0004 Pharm.D. of Bharat Institute of Technology,  
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for a period of twelve months during the period from 01/09/2020 to 04/09/21, in  
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This is to certify that Mr./Ms. KEESARA SRIVATHSASA  
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bearing, H.T. No. 15171T0007 Pharm.D. of Bharat Institute of Technology,  
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This is to certify that Mr./Ms. MUNAGALA LAHARIKA  
bearing, H.T. No. 15171T0008 Pharm.D. of Bharat Institute of Technology,  
Mangalpally, Ibrahimpatnam, Hyderabad has successfully completed the internship  
for a period of twelve months during the period from 01/09/2020 to 04/09/21, in  
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This is to certify that Mr./Ms. CHALAMALASETTI BHAVYA  
bearing, H.T. No. 15171T0009 Pharm.D. of Bharat Institute of Technology,  
Mangalpally, Ibrahimpatnam, Hyderabad has successfully completed the internship  
for a period of twelve months during the period from 01/09/2020 to 04/09/21, in  
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This is to certify that Mr./Ms. DHARANIKOTA MEGHANA  
bearing, H.T. No. 15171T0011 Pharm.D. of Bharat Institute of Technology,  
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for a period of twelve months during the period from 01/09/2020 to 04/09/21, in  
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This is to certify that Mr./Ms. ARIKERI SHALINI  
bearing, H.T. No. 15171T0010 Pharm.D. of Bharat Institute of Technology,  
Mangalpally, Ibrahimpatnam, Hyderabad has successfully completed the internship  
for a period of twelve months during the period from 01/09/2020 to 04/09/21, in  
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This is to certify that Mr./Ms. KASU HARSHITHA  
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for a period of twelve months during the period from 01/09/2020 to 04/09/21, in  
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This is to certify that Mr./Ms. BESU SOMAYA  
bearing, H.T. No. 15171T0012 Pharm.D. of Bharat Institute of Technology,  
Mangalpet, Ibrahimpetnam, Hyderabad has successfully completed the internship  
for a period of twelve months during the period from 01/09/2020 to 04/09/21, in  
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This is to certify that Mr./Ms. KISTIPATI BHAVANA  
bearing, H.T. No. 15171T0018 Pharm.D. of Bharat Institute of Technology,  
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for a period of twelve months during the period from 01/09/2020 to 04/09/21, in  
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This is to certify that Mr./Ms. GAJULA SRITEJA  
bearing, H.T. No. 15171T0014 Pharm.D. of Bharat Institute of Technology,  
Mangalpally, Ibrahimpatnam, Hyderabad has successfully completed the internship  
for a period of twelve months during the period from 01/09/2020 to 04/09/21, in  
Krishna Institute of Medical Sciences Hospital, Secunderabad as per the University  
regulations and Appendix C of Pharm D Regulations 2008.

  
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## Certificate of Internship

This is to certify that Mr./Ms. NAKKA BHAVANI ABHISHIKTHA  
bearing, H.T. No. 15171T0019 Pharm.D. of Bharat Institute of Technology,  
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for a period of twelve months during the period from 01/09/2020 to 04/09/21, in  
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regulations and Appendix C of Pharm D Regulations 2008.

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R.R. Dist - 501 510, Telangana.





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This is to certify that Mr./Ms. GARIMA  
bearing, H.T. No. 15171T0018 Pharm.D. of Bharat Institute of Technology,  
Mangalpally, Ibrahimpatnam, Hyderabad has successfully completed the internship  
for a period of twelve months during the period from 01/09/2020 to 04/09/21, in  
Krishna Institute of Medical Sciences Hospital, Secunderabad as per the University  
regulations and Appendix C of Pharm D Regulations 2008.

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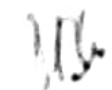






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This is to certify that Mr./Ms. DANDYALA PAWAN KALYAN  
bearing H 1 No. 15171T0020 Pharm D. of Bharat Institute of Technology,  
Mangalpally, Ibrahimpatnam, Hyderabad has successfully completed the internship  
for a period of twelve months during the period from 01/09/2020 to 01/09/21 in  
Krishna Institute of Medical Sciences Hospital, Secunderabad as per the University  
regulations and Appendix C of Pharm D Regulations 2008.

  
**PRINCIPAL**  
Bharat Institute of Technology  
Mangalpally (V), Ibrahimpatnam (M),  
R R Dist - 501 510 Telangana




Controller of Examinations



# Certificate of Internship

This is to certify that Mr./Ms. K. SHARAT VENKAT REDDY  
bearing, H.T. No. 15171T0021 Pharm.D. of Bharat Institute of Technology,  
Mangalpally, Ibrahimpatnam, Hyderabad has successfully completed the internship  
for a period of twelve months during the period from 01/09/2020 to 04/09/21, in  
Krishna Institute of Medical Sciences Hospital, Secunderabad as per the University  
regulations and Appendix C of Pharm D Regulations 2008.

  
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Bharat Institute of Technology  
Mangalpally (V), Ibrahimpatnam (M),  
R.R. Dist - 501 510, Telangana.



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# Certificate of Internship

This is to certify that Mr./Ms. AAKUNURI AKHIL  
bearing, H.T. No. 15171T0026 Pharm.D. of Bharat Institute of Technology,  
Mangalpally, Ibrahimpatnam, Hyderabad has successfully completed the internship  
for a period of twelve months during the period from 01/09/2020 to 04/09/21, in  
Krishna Institute of Medical Sciences Hospital, Secunderabad as per the University  
regulations and Appendix C of Pharm D Regulations 2008.

  
**PRINCIPAL**  
Bharat Institute of Technology  
Mangalpally (V), Ibrahimpatnam (M),  
R.R. Dist - 501 510. Telangana.




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## Certificate of Internship

This is to certify that Mr./Ms. PULIGARI PRAVEEN REDDY  
bearing, H.T. No. 15171T0027 Pharm.D. of Bharat Institute of Technology,  
Mangalpally, Ibrahimpatnam, Hyderabad has successfully completed the internship  
for a period of twelve months during the period from 01/09/2020 to 04/09/21, in  
Krishna Institute of Medical Sciences Hospital, Secunderabad as per the University  
regulations and Appendix C of Pharm D Regulations 2008.

  
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R.R. Dist - 501 510. Telangana.


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# Certificate of Internship

This is to certify that Mr./Ms. G. NIKITHA  
bearing, H.T. No. 15171T0029 Pharm.D. of Bharat Institute of Technology,  
Mangalpally, Ibrahimpatnam, Hyderabad has successfully completed the internship  
for a period of twelve months during the period from 01/09/2020 to 04/09/21, in  
Krishna Institute of Medical Sciences Hospital, Secunderabad as per the University  
regulations and Appendix C of Pharm D Regulations 2008.

  
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# Certificate of Internship

This is to certify that Mr./Ms. MD. BIJAL  
bearing H.T. No. 18175T0004 Pharm.D. (PB) of Bharat Institute of Technology,  
Mangalpally, Ibrahimpatnam, Hyderabad has successfully completed the internship  
for a period of twelve months during the period from 01/09/2020 to 04/09/21, in  
Krishna Institute of Medical Sciences Hospital, Secunderabad as per the University  
regulations and Appendix C of Pharm D Regulations 2008.

  
**PRINCIPAL**  
Bharat Institute of Technology  
Mangalpally (V), Ibrahimpatnam (M)  
R.R. Dist - 501 510, Telangana




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# Certificate of Internship

This is to certify that Mr./Ms. SALMA TASNEEM  
bearing, H.T. No. 18175T0005 Pharm.D. (PB) of Bharat Institute of Technology,  
Mangalpally, Ibrahimpatnam, Hyderabad has successfully completed the internship  
for a period of twelve months during the period from 01/09/2020 to 04/09/21, in  
Krishna Institute of Medical Sciences Hospital, Secunderabad as per the University  
regulations and Appendix C of Pharm D Regulations 2008.

  
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R.R. Dist - 501 510. Telangana.



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**Bharat Institute of Technology**  
**Department of Pharmacy**  
**Final year second semester- 2020-21**

**Project list**

Hall ticket no.	Student Name	Project Title	Guide Name
14171R0005	Rashika Pawar	Formulation Development And <i>In-Vitro</i> Evaluation Of Docetaxel Loaded Floating Mucoadhesive Microspheres	T. Beula
17171R0001	A. Sindhu		
17171R0002	Amudala Deepthi		
17171R0003	Anguru Sree Deepthi		
17171R0004	B. S. G. S. Amrutha Varshini		
17171R0006	Bandari Pranay	Insights On Potential Drug Candidates Against Covid-19 Using Autodock 4	Dr. Arifa Begum Sk M.
17171R0007	Bingi Shruthi		
17171R0008	Burgula Sundar Sukhesh		
17171R0009	Chenna Sowmya		
16171R0036	B.Vineeth	Formulation Development And <i>In Vitro</i> Evaluation Of Mometasone Emulgels	Dr. Ch.S. Vijaya Vani
17171R0010	Ch. Amulya		
17171R0011	Ch. Nitish Kumar		
17171R0012	C. Varsha		
17171R0013	Ch. Anjali		
(17171R0014)	Dasarajula Shivaprasad	Formulation And Invitro Evaluation Of Frovatriptan Fast Dissolving Tablets	Mrs. Pasupulati Haritha
17171R0015)	Dasari Arunkumar		
(17171R0016)	Dharnamoni Vennala		
(17171R0017)	Dussa Megana		
(16171R0052)	Ujjali Pavan		
	Agunuri Jagadisgh	<i>Synthesis And Evaluation Of New Indole Derivatives For Anti Microbial Activity</i>	M. Sangeetha
(17171R0018)	Emmarasu Sai Vasanth		
17171R0019)	Enjam Anjali		
(17171R0020)	Eslavath Maheswari		
(17171R0021)	Gandla Suma Latha		
17171R0022 G.	Sreeja Reddy	Biological Approach For Synthesis Of Silver Nanoparticles From Citrullus Lanatus And Thespesia Populnea Seeds And Its Pharmaceutical Applications	Mrs Namratha.Sunkara
17171R0023	Gummakonda Lakshmaiah		
17171R0024 K.	Hanumanthu		
17171R0026 K.	Kalpana Kale		
17171R0027	K. Macha Giri	Development And Validation Of Rp-Hplc Method For Estimation Of Iloperidone In Bulk And Tablet Dosage Forms	Dr. Sridevi
17171R0028	K. Sai Prakash		
17171R0030	K. Harshini		
17171R0031	K. Madhuri		
(17171R0032)	Kolanu Shivanath Reddy		
		Formulation And <i>In Vitro</i>	Ms.Je Racheal



Ch. S. U. H.  
**PRINCIPAL**  
 Bharat Institute of Techn  
 Mangalpet (V), Ibrahimpetne  
 R.R. Dist - 501 510. Telan



17171R0033)	Laxmi Saranya Venkateshwarlu	Evaluation Of Doxorubicin Sustained Release And Palonosetron Immediate Release Bilayer Tablets	Nivedita
(17171R0034)	Kondru Divya		
(17171R0035)	Kontham Raghuram Reddy		
(17171R0036)	K.Rishitha	Prevalence Of Thyroid Dysfunction In Patients With Type-2 Diabetes	P.Twila Pushpa
(17171R0037)	K.Karthik		
(17171R0038)	K.Prathyusha		
(17171R0039)	K.Niharika		
(17171R0040)	K.Laya	Formulation Of Capecitabine Microspheres Using Different Polymers By Ionotropic Gelation Method	Dr.Ramya Sree Pavuluri
(17171R0041)	L.Neha		
17171R0042)	M.Akhila		
17171R0042)	M.Akhila		
17171R0043)	M.Sai Rathan		
17171R0044)	Madgula Mamatha	Study On Episodes Of Mucormycosis (Theblack Fungus) In Covid-19 Patients	Dr. Marina G D'souza
17171R0045)	Mailarapu Srilatha		
17171R0046)	Mamidi Mounika		
(17171R0047)	Manchikanti Gayithri		
17171R0048)	M. Sharath Chander	Formulation Development And Invitro Evaluation Of Duloxetine Transdermal Patch	Ms. Kabita Banik
(17171R0049)	M. Yashwanth Reddy		
17171R0050)	M. Teja Sri		
(17171R0051)	M. Vyshnavi		
(17171R0052)	Abhigna	Formulation And Evaluation Of Risperidone Transperdmal Patches	Dr. Bhanu Prakash Arakareddy
(17171R0053)	Jahnavi		
(17171R0054)	Sahithi Reddy		
(17171R0055)	Nada		
17171R0056)	Naredla Lavanya	Formulation And Invitro Evaluation Of Leflunomide Loaded Topical Transfersosomal Gel	Dr. Shibnath Kamila
17171R0057)	Narre Shirisha		
17171R0059)	Padakanti Manisha		
17171R0061)	Pulgam Bhargavsai		
17171R0062)	Pullamoni Sai Teja	Formulation And Evaluation Of Miconazole Loaded Topical Gel	Dr.Ascharya
(17171R0063)	Rahul Daga		
(17171R0064)	Ramavath Vijaya Lakshmi		
(17171R0065)	Rathod Dilip		
17171R0066)	Ravirala Manasaveena	Comparison Of Quality Control Test Of Different Brands Containing Active Pharmaceutical Ingredients	Dr. Shital Patel
(17171R0067)	Repani Himasrija		
17171R0068)	Ruchitha Reddy Gurram		
(17171R0069)	Rupani Aparna		
17171R0070)	Shaguftha Sultana	A Project Report On "Synthesis Insilico Studies & Evaluation Of Isatin Derivatives As	Mrs. U. Usha Rani
(17171R0071)	Sumaiya Ameen		
17171R0072)	Katakam Shruthi		
17171R0073)	Teki Venkata Srujana		



Ch. S. U. G.

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		<b>Antibacterial Agents"</b>	
17171R0074)	Thalari Chaithanya	An Evaluation Of Mental Health Status During Covid-19 Pandemic	Dr. Kezia Sam
(17171R0075	Thumala Vinay Sree		
(17171R0076)	Unnamatla Sowjanya		
(17171R0077)	Vadlakonda Sruthi		
(17171R0078	Valsa Sai Teja	A Detailed Study On Benzimidazole & Its Derivatives And Their Various Pharmacological Activities	Dr. Mrinmay Das,
(17171R0079)	Vasupula Pooja Kumari		
17171R0080)	Kommarajula Vijay Kumar		
16171R0076	Potta Sai Nikhil		



*Dr. S. U. S. S.*

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**Bharat Institute of Technology**  
**Mangalpally (V), Ibrahimpatnam (M.**  
**R.R. Dist - 501 510, Telangana**

# PREVALENCE OF THYROID DYSFUNCTION IN PATIENTS WITH TYPE-2 DIABETES

PROJECT REPORT



Dissertation work submitted to Jawaharlal Nehru Technological University, Hyderabad, in  
partial fulfillment of requirements for the degree of

Bachelor of pharmacy (B.Pharmacy)

Submitted by

K.RISHITHA (17171R0036)

K.KARTHIK(17171R0037)

K.PRATHYUSHA(17171R0038)

K.NIHARIKA(17171R0039)

UNDER THE GUIDANCE OF: P.Twila Pushpa

Assistant professor

Department of pharmacy practice



BHARAT INSTITUTE OF TECHNOLOGY  
MANGALPALLY, IBRAHIMPATNAM, HYDERABAD-501 510  
2020-2021



Ch S. R. G.  
PRINCIPAL

Bharat Institute of Technology  
Mangalpally (V), Ibrahimpatnam (M)  
R.R. Dist - 501 510. Telangana.



# **FORMULATION DEVELOPMENT AND *IN VITRO* EVALUATION OF DOXORUBICIN SUSTAINED RELEASE PALANOSETRON IMMEDIATE RELEASE BILAYER TABLETS**

*A Thesis Submitted To*



**Jawaharlal Nehru Technological University, Hyderabad**

*In Partial Fulfillment of the Requirements  
For*

**The Award of Degree of Bachelor of Pharmacy**

*BY*

<b>KOLANU SHIVANATH REDDY</b>	<b>(17171R0032)</b>
<b>LAXMI SARANYA VENKATESHWARLU</b>	<b>(17171R0033)</b>
<b>KONDRU DIVYA</b>	<b>(17171R0034)</b>
<b>KONTHAM RAGHURAM REDDY</b>	<b>(17171R0035)</b>

*Under the Guidance of*

**Ms. JE Racheal Nivedita, M. Pharm**

**ASSISTANT Professor, Dept. of Pharmacology**

**Mrs. HARITHA PASUPULATI M. Pharm (Ph.D)**

**ASSISTANT Professor, Dept. of Pharmacology**



**BHARAT INSTITUTE OF TECHNOLOGY**

**(Approved by PCI, AICTE and affiliated to JNTUH, Accredited by NAAC)**

**Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy District-501510**



*CH S. V. 481*

**PRINCIPAL**  
**Bharat Institute of Technology**  
**Mangalpally (V), Ibrahimpatnam (M),**  
**R.R. Dist - 501 510, Telangana**







**A PROJECT REPORT ON  
FORMULATION AND INVITRO EVALUATION OF  
FROVATRIPTAN FAST DISSOLVING TABLETS**

**A Thesis Submitted in Partial Fulfillment of the**

**Requirements Of**

**BACHELOR OF PHARMACY**

**Submitted to**



**Jawaharlal Nehru Technological University**

**HYDERABAD**

**By**

<b>DASARAJULA SHIVAPRASAD</b>	<b>(17171R0014)</b>
<b>DASARI ARUN KUMAR</b>	<b>(17171R0015)</b>
<b>DEARNAMONI VENNELA</b>	<b>(17171R0016)</b>
<b>DUSSA MEGHANA</b>	<b>(17171R0017)</b>
<b>UJJALI PAVAN</b>	<b>(16171R0052)</b>

**Under the Guidance of**

**Mrs. HARITHA PASUPALATI M.pharm (Ph.D)**  
**Assistant Professor, Dept. of Pharmacology**



**BHARAT INSTITUTE OF TECHNOLOGY**

**(Approved by PCI, AICTE and affiliated to JNTUH, Hyderabad by NAAC)**  
**Mangalpally (village), Imbrahimpetnam (mandal), Ranga Reddy District (501510)**



**PRINCIPAL**  
**Bharat Institute of Technology**  
**Mangalpally (V), Ibrahimpetnam (M)**  
**R.R. Dist - 501 510. Telangana.**

**A PROJECT REPORT ON  
FORMULATION OF CAPECTIABINE MICROSPHERES USING  
DIFFERENT POLYMERS BY IONOTROPIC GELATION METHOD**

**A Thesis Submitted in Partial Fulfillment of the Requirements**

**of**

**BACHELOR OF PHARMACY**

**Submitted to**



**Jawaharlal Nehru Technological University**

**HYDERABAD**

**By**

**K.LAYA (17171R0040)**

**L.NEHA (17171R0041)**

**M.AKHILA (17171R0042)**

**M.RATHAN (17171R0043)**

**Under the guidance of**

**Mrs.Dr. RAMYA SREE PAVULURI**

**Dept. of Pharmacy Practice**



**BHARAT INSTITUTE OF TECHNOLOGY**

**Approved by PCI, AICTE and affiliated to JNTUH**

**Mangalpally (V), Ibrahimpatnam (M), R.R. Dist. Telangana-501510**



**PRINCIPAL**  
**Bharat Institute of Technology**  
**Mangalpally (V), Ibrahimpatnam (M),**  
**R.R. Dist - 501 510. Telangana.**



**A PROJECT REPORT ON  
FORMULATION AND INVITRO EVALUATION OF LEFLUNOMIDE  
LOADED TOPICAL TRANSFEROSOMAL GEL**

**BACHELOR OF PHARMACY**

Submitted to



Dissertation work submitted to Jewaharlal Nehru Technological University,  
Hyderabad, in partial fulfillment of requirements for the degree of  
Bachelor of Pharmacy (B pharmacy)

Submitted by,

**N. LAVANYA (17171R0056)**  
**N. SNEERISHA (17171R0057)**  
**P. MANISHA (17171R0058)**  
**P. BHARGAV SAI (17171R0061)**

Under the guidance of  
**DR. SHENATH KAMLA**

Asst. Professor

**HOD Department of pharmacy practice**  
**BIT Pharmacy**



**BHARAT INSTITUTE OF TECHNOLOGY**

Approved by PCI, AICTE and affiliated to JNTUH  
Mangalpally (V), Ibrahimpatnam (M), R.R. Dist., Telangana-501510



*A.S. G. Y.*

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Mangalpally (V), Ibrahimpatnam (M),  
R.R. Dist - 501 510, Telangana.



# PREVALENCE OF THYROID DYSFUNCTION IN PATIENTS WITH TYPE-2 DIABETES

PROJECT REPORT



Dissertation work submitted to Jawaharlal Nehru Technological University, Hyderabad, in  
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Bachelor of pharmacy (B.Pharmacy)

Submitted by

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K.KARTHIK(17171R0037)

K.PRATHYUSHA(17171R0038)

K.NIHARIKA(17171R0039)

UNDER THE GUIDANCE OF: P.Twila Pushpa

Assistant professor

Department of pharmacy practice



BHARAT INSTITUTE OF TECHNOLOGY  
MANGALPALLY, IBRAHIMPATNAM, HYDERABAD-501510  
2020-2021



Principal  
Bharat Institute of Technology  
Mangalpally (V), Ibrahimpatnam (M),  
R.R. Dist - 501 510, Telangana.

# **A DETAILED STUDY ON BENZIMIDAZOLE & ITS DERIVATIVES AND THEIR VARIOUS PHARMACOLOGICAL ACTIVITIES**

**A Thesis Submitted To**



**Jawaharlal Nehru Technological University, Hyderabad  
In Partial Fulfilment of the Requirements For**

**The Award of Degree of Bachelor of Pharmacy**

**BY**

<b>POTTA SAI NIKHIL</b>	<b>(16171R0076)</b>
<b>VALSA SAI TEJA</b>	<b>(17171R0078)</b>
<b>VASUPULA POOJA KUMARI</b>	<b>(17171R0079)</b>
<b>KOMMARAJULA VIJAY KUMAR</b>	<b>(17171R0080)</b>

**Under the Guidance of  
DR. MRINMAY DAS, M Pharm, PhD  
Associate Professor, Dept. of Medicinal Chemistry**



**BHARAT INSTITUTE OF TECHNOLOGY**  
**(Approved by PCI, AICTE and affiliated to JNTUH, Accredited by NAAC)**  
**Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy District-501510**

**2021**



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**R.R. Dist - 501510, Telangana.**



## TYPE-2 DIABETES



2020-2021



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**A PROJECT REPORT ON**  
**FORMULATION OF CAPECITABINE MICROSPHERES USING**  
**DIFFERENT POLYMERS BY IONOTROPIC GELATION METHOD**

*A Thesis Submitted in Partial Fulfilment of the Requirements*

of

**BACHELOR OF PHARMACY**

**Submitted to**



**Jawaharlal Nehru Technological University**

**HYDERABAD**

**By**

**K.LAYA (17171R0040)**

**L.NEHA (17171R0041)**

**M.AKHILA (17171R0042)**

**M.RATHAN (17171R0043)**

**Under the guidance of**

**Mrs.Dr. RAMYA SREE PAVULURI**

**Dept. of Pharmacy Practice**



**BHARAT INSTITUTE OF TECHNOLOGY**

**Approved by PCI, AICTE and affiliated to JNTUH**  
**Mangalpally (V), Ibrahimpatnam (M), R.R. Dist., Telangana-501510**



*Ch. S. U. G. S.*

**PRINCIPAL**  
**Bharat Institute of Technology**



**A PROJECT REPORT ON**  
**FORMULATION AND INVITRO EVALUATION OF LEFLUNOMIDE**  
**LOADED TOPICAL TRANSFEROSOMAL GEL**

**of**  
**BACHELOR OF PHARMACY**  
**Submitted to**



Dissertation work submitted to Jawaharlal Nehru Technological University,  
Hyderabad, in partial fulfillment of requirements for the degree of  
Bachelor of Pharmacy (B.pharmacy)

**Submitted by,**

**N. LAVANYA (17171R0056)**  
**N. SHIRISHA (17171R0057)**  
**P. MANISHA (17171R0059)**  
**P. BHARGAV SAI (17171R0061)**

Under the guidance of  
**DR. SHIBNATH KAMLA**

**Asst. Professor**

**HOD: Department of pharmacy practice**  
**BIT Pharmacy**



**BHARAT INSTITUTE OF TECHNOLOGY**  
**Approved by PCI, AICTE and affiliated to JNTUH**  
**Mangalpally (V), Ibrahimpatnam (M), R.R. Dist., Telangana-501510**

**2020-2021**



**PRINCIPAL**

**Bharat Institute of Technology**  
**Mangalpally (V), Ibrahimpatnam (M),**  
**R.R. Dist - 501 510, Telangana**

**EVALUATION OF HYDROXYCHLOROQUINES INDUCED  
RETINOPATHY IN SYSTEMIC LUPUS ERYTHEMATOSUS  
PATIENTS**

**PROJECT TIME**



**DISSERTATION**

**Submitted to Jawaharlal Nehru Technological University,  
Hyderabad**

**In partial fulfillment of the requirement for the award of Degree of**

**DOCTOR OF PHARMACY**

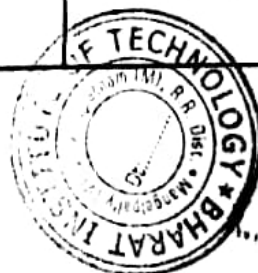
**SUBMITTED BY**

**G. SRITEJA (15171T0014)**

**D..PAVAN KALYAN (15171T0020)**

**Under the Esteemed Guidance of**

<b>INSTITUTIONAL GUIDE</b>	<b>HOSPITAL GUIDE</b>
<b>Dr MARINA D'SOUZA</b> <b>M.PHARM, PhD</b>  <b>PROFESSOR (Dept. Of</b> <b>PHARMACOGNOSY)</b> <b>Bharat Institute of Technology- Pharmacy</b>	<b>Dr .SARATH CHANDRA</b> <b>MOULLV</b>  <b>MD(NIMS), MRCP(UK)</b>  <b>HOD- DEPARTMENT OF</b> <b>RHEUMATOLOGY.</b>



*Ch. S. R. Ch.*

**PRINCIPAL**

**Bharat Institute of Technology**  
**Hyderabad - 501 510, Telangana (M)**  
**R.R. Dist. - 501 510, Telangana.**



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**BHARAT INSTITUTE OF TECHNOLOGY**  
MANGALPALLY, IBRAHIMPATNAM, HYDERABAD

**VI YR PHARM D**  
**INTERNSHIP**

SL. No.	Hall Ticket No.	Name	Signature
1.	15171T0001	Samnani Nikita	
2.	15171T0002	Vaka Pratyusha	
3.	15171T0003	Pannala Keerthi	
4.	15171T0004	Rathnavath Mounika	
5.	15171T0005	Pisati Mounika Reddy	
6.	15171T0006	Keesara Srivathsasa	
7.	15171T0007	Punukula Harichandana	
8.	15171T0008	Munagala Laharika	
9.	15171T0009	Chalamalasetti Bhavya	
10.	15171T0010	Arikeri Shalini	
11.	15171T0011	Dharanikota Meghana	
12.	15171T0012	B Sowmya	
13.	15171T0013	Kasu Harshitha	
14.	15171T0014	Gajula Sri Teja	
15.	15171T0015	Vissapragada Bhavani Alekhya	
16.	15171T0016	P Anusha	
17.	15171T0017	Kistipati Bhavana	
18.	15171T0018	Garima	
19.	15171T0019	Nakka Sri Bhavani Abhishiktha	
20.	15171T0020	Dandyala Pavan Kalyan	
21.	15171T0021	K Sharat Venkat Reddy	
22.	15171T0024	Mohammed Kamaluddin Omer	
23.	15171T0026	Aakunuri Akhil	
24.	15171T0027	Puligari Praveen Reddy	
25.	15171T0028	Rangineni Parikshith Rao	
26.	15171T0029	G Nikitha	

*(Handwritten signature)*



**PRINCIPAL**

**Bharat Institute of Technology**  
Mangalpally (V), Ibrahimpatnam (M),  
Dist. G. O. - 501 510, Telangana





# BHARAT INSTITUTE OF TECHNOLOGY

(Approved by PCI & AICTE, Affiliated to JNTUH)

Mangalpally (V), Ibrahimpatnam (M), R.R. Dist - 501 510, Telangana, India

## Certificate of Internship



This is to certify that

**Ms. SAMNANI NIKITA**

Roll No. 15171T0001

of Bharat Institute of Technology (Pharmacy), Ibrahimpatnam, Hyderabad  
has successfully completed the Pharm.D Internship at  
Krishna Institute of Medical Sciences, Secunderabad  
in the following units/departments as prescribed under regulation 16 and  
Appendix C of Pharm D Regulations 2008

DEPARTMENT	DATE		TOTAL DURATION
	FROM	TO	
MEDICINE	01-09-2020	27-02-2021	Six Months
PEDIATRICS	02-03-2021	01-05-2021	Two Months
ORTHOPEDICS	04-05-2021	03-07-2021	Two Months
SURGERY	06-07-2021	04-09-2021	Two Months

Preceptor  
HOD  
Dept. of Pharmacy Practice  
BIT

Principal  
Bharat Institute of Technology

Director of Medical Education  
KIMS Hospital,  
Secunderabad.



**CH. S. PRINCIPAL**  
Bharat Institute of Technology  
Mangalpally (V), Ibrahimpatnam (M),  
R.R. Dist - 501 510, Telangana.

PHARM-D





# BHARAT INSTITUTE OF TECHNOLOGY

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Mangalpally (V), Ibrahimpatnam (M), R.R. Dist - 501 510, Telangana, India

## Certificate of Internship



This is to certify that

**Ms. VAKA PRATYUSHA**

Roll No. 15171T0002

of Bharat Institute of Technology (Pharmacy), Ibrahimpatnam, Hyderabad  
has successfully completed the Pharm.D Internship at  
Krishna Institute of Medical Sciences, Secunderabad  
in the following units/departments as prescribed under regulation 16 and  
Appendix C of Pharm D Regulations 2008

DEPARTMENT	DATE		TOTAL DURATION
	FROM	TO	
MEDICINE	01-09-2020	27-02-2021	Six Months
PEDIATRICS	02-03-2021	01-05-2021	Two Months
ORTHOPEDICS	04-05-2021	03-07-2021	Two Months
SURGERY	06-07-2021	04-09-2021	Two Months

  
Preceptor  
HOD

Dept. of Pharmacy Practice  
BIT

  
Principal

Bharat Institute of Technology

**PRINCIPAL**  
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Mangalpally (V), Ibrahimpatnam (M),  
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Director of Medical Education







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Mangalpally (V), Ibrahimpatnam (M), R.R. Dist - 501 510, Telangana, India

## Certificate of Internship



This is to certify that

*Ms. SAMNANI NIKITA*


Roll No. 15171T0001

of Bharat Institute of Technology (Pharmacy), Ibrahimpatnam, Hyderabad  
has successfully completed the Pharm.D Internship at  
Krishna Institute of Medical Sciences, Secunderabad  
in the following units/departments as prescribed under regulation 16 and  
Appendix C of Pharm D Regulations 2008

DEPARTMENT	DATE		TOTAL DURATION
	FROM	TO	
MEDICINE	01-09-2020	27-02-2021	Six Months
PEDIATRICS	02-03-2021	01-05-2021	Two Months
ORTHOPEDICS	04-05-2021	03-07-2021	Two Months
SURGERY	06-07-2021	04-09-2021	Two Months

  
Preceptor  
HOD

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Principal  
Bharat Institute of Technology  
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R.R. Dist - 501 510, Telangana.

  
Director of Medical Education  
KIMS - Bharat





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Mangalpally (V), Ibrahimpatnam (M), R.R. Dist. 501 510, Telangana, India

## Certificate of Internship



This is to certify that

**Ms. PANNALAKSHMI**

Roll No. 1517170001

of Bharat Institute of Technology (Pharmacy), Ibrahimpatnam, Hyderabad  
has successfully completed the 4th semester internship at  
Krishna Institute of Medical Sciences, Secunderabad  
in the following units/departments as prescribed under regulation 16 and

Appendix C of Pharm D Regulations 2003

DEPARTMENT	DATE		TOTAL DURATION
	FROM	TO	
MEDICINE	01-09-2020	17-02-2021	Six Months
PEDIATRICS	02-03-2021	01-05-2021	Two Months
ORTHOPEDICS	04-05-2021	03-07-2021	Two Months
SURGERY	06-07-2021	04-09-2021	Two Months

Preceptor

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R.R. Dist. - 501 510, Telangana

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Mangalpally (V), Ibrahimpatnam (M), R.R. Dist - 501 510, Telangana, India

## Certificate of Internship



This is to certify that

**Ms. RATHNAVATH MOUNIKA**

Roll No. 1517170004

of Bharat Institute of Technology (Pharmacy), Ibrahimpatnam, Hyderabad  
has successfully completed the Pharm.D Internship at  
Krishna Institute of Medical Sciences, Secunderabad  
in the following units/departments as prescribed under regulation 16 and  
Appendix C of Pharm D Regulations 2008

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	FROM	TO	
MEDICINE	01-09-2020	27-02-2021	Six Months
PEDIATRICS	02-03-2021	01-05-2021	Two Months
ORTHOPEDICS	04-05-2021	03-07-2021	Two Months
SURGERY	06-07-2021	04-09-2021	Two Months

Preceptor  
HOD

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## Certificate of Internship



This is to certify that

**Ms. PISATI MOUNIKA REDDY**

Roll No. 1517T0005

of Bharat Institute of Technology (Pharmacy), Ibrahimpatnam, Hyderabad  
has successfully completed the Pharm.D Internship at  
Krishna Institute of Medical Sciences, Secunderabad  
in the following units/departments as prescribed under regulation 16 and  
Appendix C of Pharm D Regulations 2008

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ORTHOPEDICS	04-05-2021	03-07-2021	Two Months
SURGERY	06-07-2021	04-09-2021	Two Months

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HOD

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Mangalpally (V), Ibrahimpatnam (M), R.R. Dist - 501 510, Telangana, India

## Certificate of Internship



This is to certify that

**Ms. KEESARA SRIVATHSASA**

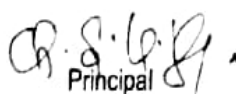
Roll No. 15171T0006

of Bharat Institute of Technology (Pharmacy), Ibrahimpatnam, Hyderabad  
has successfully completed the Pharm.D Internship at  
Krishna Institute of Medical Sciences, Secunderabad  
in the following units/departments as prescribed under regulation 16 and  
Appendix C of Pharm D Regulations 2008

DEPARTMENT	DATE		TOTAL DURATION
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MEDICINE	01-09-2020	27-02-2021	Six Months
PEDIATRICS	02-03-2021	01-05-2021	Two Months
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SURGERY	06-07-2021	04-09-2021	Two Months



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This is to certify that

**Ms. PUNUKULA HARICHANDANA**

Roll No. 15171T0007

of Bharat Institute of Technology (Pharmacy), Ibrahimpatnam, Hyderabad  
has successfully completed the Pharm.D Internship at  
Krishna Institute of Medical Sciences, Secunderabad  
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Preceptor  
HOD  
Dept. of Pharmacy Practice  
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This is to certify that

**Ms. MUNAGALA LAHARIKA**

Roll No. 15171T0008

of Bharat Institute of Technology (Pharmacy), Ibrahimpatnam, Hyderabad  
has successfully completed the Pharm.D Internship at  
Krishna Institute of Medical Sciences, Secunderabad  
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This is to certify that


**Ms. CHALAMALASETTI BHAVYA**


Roll No. 15171T0009

of Bharat Institute of Technology (Pharmacy), Ibrahimpatnam, Hyderabad  
has successfully completed the Pharm.D Internship at  
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This is to certify that

Ms. ARIKERI SHALINI

Roll No. 15171T0010

of Bharat Institute of Technology (Pharmacy), Ibrahimpatnam, Hyderabad  
has successfully completed the Pharm.D Internship at  
Krishna Institute of Medical Sciences, Secunderabad  
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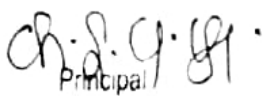
DEPARTMENT	DATE		TOTAL DURATION
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Preceptor

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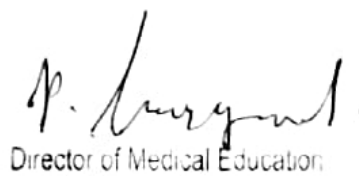
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## Certificate of Internship



This is to certify that  
Ms. BESU SOWMYA  
Roll No. 15171T0012

of Bharat Institute of Technology (Pharmacy), Ibrahimpatnam, Hyderabad  
has successfully completed the Pharm.D Internship at  
Krishna Institute of Medical Sciences, Secunderabad  
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Mangalpally (V), Ibrahimpatnam (M), R.R. Dist - 501 510, Telangana, India

## Certificate of Internship



This is to certify that

*Ms. KASU HARSHITHA*

Roll No. 15171T0013

of Bharat Institute of Technology (Pharmacy), Ibrahimpatnam, Hyderabad  
has successfully completed the Pharm.D Internship at  
Krishna Institute of Medical Sciences, Secunderabad  
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SURGERY	06-07-2021	04-09-2021	Two Months

Preceptor  
HOD

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*(Signature)*  
Principal

Bharat Institute of Technology

**PRINCIPAL**

**Bharat Institute of Technology**  
Mangalpally (V), Ibrahimpatnam (M),  
R.R. Dist - 501 510, Telangana.

*(Signature)*  
Director of Medical Education

KIMS  
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(Approved by PCI & AICTE, Affiliated to JNTUH)

Mangalpally (V), Ibrahimpatnam (M), R.R. Dist - 501 510, Telangana, India

## Certificate of Internship




This is to certify that

**Mr. GAJULA SRUTEJA**

Roll No. 15171T0014

of Bharat Institute of Technology (Pharmacy), Ibrahimpatnam, Hyderabad  
has successfully completed the Pharm.D Internship at  
Krishna Institute of Medical Sciences, Secunderabad  
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Appendix C of Pharm D Regulations 2008

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Preceptor  
HOD  
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Principal  
Bharat Institute of Technology  
**PRINCIPAL**  
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Mangalpally (V), Ibrahimpatnam (M),  
R.R. Dist - 501 510, Telangana.

  
Director of Medical Education  
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Mangalpally (V), Ibrahimpatnam (M), R.R. Dist - 501 510, Telangana, India

## Certificate of Internship



This is to certify that

**Ms. KISTIPATI BHAVANA**

Roll No. 15171T0018

of Bharat Institute of Technology (Pharmacy), Ibrahimpatnam, Hyderabad  
has successfully completed the Pharm.D Internship at  
Krishna Institute of Medical Sciences, Secunderabad  
in the following units/departments as prescribed under regulation 16 and  
Appendix C of Pharm D Regulations 2008


DEPARTMENT	DATE		TOTAL DURATION
	FROM	TO	
MEDICINE	01-09-2020	27-02-2021	Six Months
PEDIATRICS	02-03-2021	01-05-2021	Two Months
ORTHOPEDICS	04-05-2021	03-07-2021	Two Months
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Preceptor  
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Bharat Institute of Technology  
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R.R. Dist - 501 510, Telangana.

  
Director of Medical Education  
Krishna Institute of Medical Sciences  
Secunderabad





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Mangalpally (V), Ibrahimpatnam (M), R.R. Dist - 501 510, Telangana, India

## Certificate of Internship



This is to certify that

Ms. GARJMA

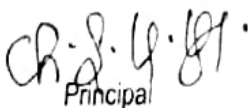
Roll No. 15171T0018

of Bharat Institute of Technology (Pharmacy), Ibrahimpatnam, Hyderabad  
has successfully completed the Pharm.D Internship at  
Krishna Institute of Medical Sciences, Secunderabad  
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R.R. Dist - 501 510, Telangana.

  
Director of Medical Education  
KIMS Hospital  
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## Certificate of Internship



This is to certify that

**Ms. NAKKA BHAVANI ABHISHIKTHA**

Roll No. 15171T0019

of Bharat Institute of Technology (Pharmacy), Ibrahimpatnam, Hyderabad  
has successfully completed the Pharm.D Internship at  
Krishna Institute of Medical Sciences, Secunderabad  
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R.R. Dist - 501 510, Telangana.

Director of Medical Education  
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## Certificate of Internship



This is to certify that

**Mr. DANDYALA PAWAN KALYAN**

Roll No. 1517110020

of Bharat Institute of Technology (Pharmacy), Ibrahimpatnam, Hyderabad  
has successfully completed the Pharm.D Internship at  
Krishna Institute of Medical Sciences, Secunderabad  
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**Bharat Institute of Technology**  
Mangalpally (V), Ibrahimpatnam (M),  
R.R. Dist - 501 510, Telangana.

*(Signature)*  
Director of Medical Education  
KIMS Hospital  
Secunderabad





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## Certificate of Internship



This is to certify that

**Mr. K. SHARAT VENKAT REDDY**

Roll No. 15171T0021

of Bharat Institute of Technology (Pharmacy), Ibrahimpatnam, Hyderabad  
has successfully completed the Pharm.D Internship at  
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R.R. Dist - 501 510, Telangana.

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This is to certify that

**Mr. AAKUNURI AKHIL**

Roll No. 15171T0026

of Bharat Institute of Technology (Pharmacy), Ibrahimpatnam, Hyderabad  
has successfully completed the Pharm.D Internship at  
Krishna Institute of Medical Sciences, Secunderabad  
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Director of Medical Education  
KIMS Hospital,  
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Mangalpally (V), Ibrahimpatnam (M), R.R. Dist - 501 510, Telangana, India

## Certificate of Internship



This is to certify that

**Mr. PULIGARI PRATHIN RUPIN**

Roll No. 1317110027

of Bharat Institute of Technology (Pharmacy), Ibrahimpatnam, Hyderabad  
has successfully completed the Pharm.D Internship at  
Krishna Institute of Medical Sciences, Secunderabad  
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# BHARAT INSTITUTE OF TECHNOLOGY

(Approved by PCI & AICTE, Affiliated to JNTUH)

Mangalpally (V), Ibrahimpatnam (M), R.R. Dist - 501 510, Telangana, India

## Certificate of Internship



This is to certify that

Ms. G. NIKITHA

Roll No. 15171T0029

of Bharat Institute of Technology (Pharmacy), Ibrahimpatnam, Hyderabad  
has successfully completed the Pharm.D Internship at  
Krishna Institute of Medical Sciences, Secunderabad  
in the following units/departments as prescribed under regulation 16 and  
Appendix C of Pharm D Regulations 2008

DEPARTMENT	DATE		TOTAL DURATION
	FROM	TO	
MEDICINE	01-09-2020	27-02-2021	Six Months
PEDIATRICS	02-03-2021	01-05-2021	Two Months
ORTHOPEDICS	04-05-2021	03-07-2021	Two Months
SURGERY	06-07-2021	04-09-2021	Two Months

  
Preceptor

HOD

Dept. of Pharmacy Practice

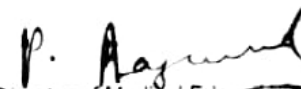
BIT

  
Principal

Bharat Institute of Technology

**PRINCIPAL**

Bharat Institute of Technology  
Mangalpally (V), Ibrahimpatnam (M),  
R.R. Dist - 501 510, Telangana

  
Director of Medical Education

KIMS Hospital

Secunderabad







# BHARAT INSTITUTE OF TECHNOLOGY

(Approved by PCI & AICTE, Affiliated to JNTUH)

Mangalpally (V), Ibrahimpatnam (M), R.R. Dist - 501 510, Telangana, India

## Certificate of Internship



This is to certify that

Mr. MD. BILAL

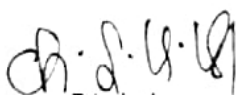
Roll No. 18175T0004

of Bharat Institute of Technology (Pharmacy), Ibrahimpatnam, Hyderabad  
has successfully completed the Pharm.D (PB) Internship at  
Krishna Institute of Medical Sciences, Secunderabad  
in the following units/departments as prescribed under regulation 16 and  
Appendix C of Pharm D Regulations 2008

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SURGERY	06-07-2021	04-09-2021	Two Months



Preceptor  
HOD  
Dept. of Pharmacy Practice  
BIT



Principal  
Bharat Institute of Technology

**PRINCIPAL**  
Bharat Institute of Technology  
Mangalpally (V), Ibrahimpatnam (M),  
R.R. Dist - 501 510, Telangana.



Director of Medical Education  
KIMS Hospital  
Secunderabad





# BHARAT INSTITUTE OF TECHNOLOGY

(Approved by PCI & AICTE. Affiliated to JNTUH)

Mangalpally (V), Ibrahimpatnam (M), R.R. Dist - 501 510, Telangana, India

## Certificate of Internship



This is to certify that

**Ms. SALMA TASNEEM**

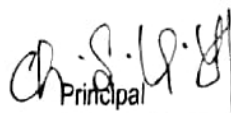
Roll No. 18175T0005

of Bharat Institute of Technology (Pharmacy), Ibrahimpatnam, Hyderabad  
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in the following units/departments as prescribed under regulation 16 and  
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SURGERY	06-07-2021	04-09-2021	Two Months

  
Preceptor

HOD  
Dept. of Pharmacy Practice  
BIT

  
Principal

Bharat Institute of Technology  
**PRINCIPAL**

Bharat Institute of Technology  
Mangalpally (V), Ibrahimpatnam (M),  
R.R. Dist - 501 510, Telangana.

  
Director of Medical Education  
KIMS Hospital  
Secunderabad



# PROJECT TITLE LIST

## Pharm D 5th yr BIT

Batch no	Name and roll no	College Guide	Hospital guide	Topic title
1	Rupa-16171T0015 Amulya-16171T0018 Vaishnavi-16171T0017 Pooja-16171T0005	Dr.Ascharya chinthalapati	Dr.Mounika Boppana	Single centre observational study to evaluate the incidence,severity,risk factors and efficacy of pharmacotherapy in management of taxane induced myalgia and arthralgias
2	laharika16171T0002 saisree-16171T0004 srija-16171T0012 keerthi-16171T0016	Dr.Arifa Begum	Dr.sethu babu	Patterns of sedation/anaesthesia gastrointestinal endoscopy practices in output setup
3	Shehenaaz-16171T0003 Kulsoom- 16171T0011 Sukaina -16171T0009 Qamar-16171T0020	Dr.Marina d'souza	Dr sarath Chandra mouli veeravalli Dr Shree Harsha	Evaluation of clinical profile, assessment of disease severity and treatment efficacy in spondyloarthritis patient.
4	Induja -16171T0013 Indrani -16171T0019 Manju - 16171T0001 Chiatanya-16171T0007	Dr.Shibnath kamila	Dr.Diwakar naidu	Comparison study of blood pressure in dialysis patients with and without RAAS inhibitors
5	Harshini-16171T0014 Maniramy-16171T0010 Archana -16171T0008			
6	Akhil -16171T0021	Dr . Kezia	Dr mohammed	Spectrum of use of



*Dr. S. G. H.*  
**PRINCIPAL**  
**Bharat Institute of Technology**  
**Mangalpally (V), Ibrahimpatnam (M).**  
**R.R. Dist - 501 510. Telangana.**





# PROJECT TITLE LIST

## Pharm D 5th yr BIT

	Naveen-16171T0026 Najam-15171T0023	sam	sadiq azam Dr p gautam	ivabardinies in patient admitted with acute cardiac conditions
3	Venu-16171T0028 Junaid-16171T0022 Pranav-16171T0024	Ramya sree	Dr jayasree	A study of assessment on monotherapy vs polytherapy vs combination therapy with botax in the management of chronic migraine
9	Aisha Ahmed - 19175T0001 Rukhaiya Asma - 19175T0002 Nandigama . sheeba Rani - 19175T0003 Azra Fathima - 19175T0004	Dr vijaya vani	Dr manas panighari Dr y.B.v.k chandrashekar	Outcome of high grade glioma patients at tertiary care centre



*Dr. S. G. R.*

**BHARAT INSTITUTE OF TECHNOLOGY**  
MANGALPALLY, IBRAHIMPATNAM, HYDERABAD

**V YR PHARM D**  
**PROJECT STUDENT LIST**

SL. No.	Hall Ticket No.	Name	Signature
1.	15171T0023	Syed Najamuddin Khundmiri	
2.	14171T0024	Mandadi Sudesh	
3.	16171T0001	Manju Sada Shanker	
4.	16171T0002	Ambadipally Laharika	
5.	16171T0003	Shik Meheb Shehenaaz Kauser	
6.	16171T0004	Mali Sai Sree	
7.	16171T0005	Kokkiral Pooja	
8.	16171T0007	Somagani Chaitanya	
9.	16171T0008	Mettu Archana Goud	
10.	16171T0009	Sukaina Shabbir Karjatwalla	
11.	16171T0010	Palepu Mani Ramya	
12.	16171T0011	Kulsoom Fatima	
13.	16171T0012	Billakuduru Srija	
14.	16171T0013	Beerum Induja	
15.	16171T0014	Saiharshini Yabaluri	
16.	16171T0015	P Hima Chandana Sai Rupa	
17.	16171T0016	Kalvakollu Keerthi	
18.	16171T0017	Orsu Vaishnavi	
19.	16171T0018	Kadaparthi Amulya	
20.	16171T0019	Indrani Biswas	
21.	16171T0020	Qamar Masood	
22.	16171T0021	Bavu Akhil Kumar	
23.	16171T0022	Mohammad Junaid Ahmed	
24.	16171T0023	B Balu	
25.	16171T0024	Dontha Saipranav	
26.	16171T0025	Parupalli Kranthi Kiran Reddy	
27.	16171T0026	G Naveen Kumar	
28.	16171T0027	Mandhala Saikrishna	
29.	16171T0028	Challam Venu	



*Ch. S. V. V. S.*

**PRINCIPAL**  
Bharat Institute of Technology  
Mangalpally (V), Ibrahimpatnam (M)  
R.R. Dist - 501 513, Telangana.

A PROJECT REPORT  
ON  
**"SYSTEMATIC ANALYSIS OF TPMT GENOTYPING"**

2020 - 2021



DISSERTATION

Submitted to Jawaharlal Nehru Technological University,  
Hyderabad

In partial fulfilment of the requirement for the award of Degree of  
**DOCTOR OF PHARMACY**  
SUBMITTED BY

SAIHARSHINI YABALURI  
MANI RAMYA P  
ARCHANA GOUD M

16171T0014  
16171T0010  
16171T0008

Under the Esteemed Guidance of

INSTITUTIONAL GUIDE

Ms. P. TWILA PUSHPA  
Asst. Professor

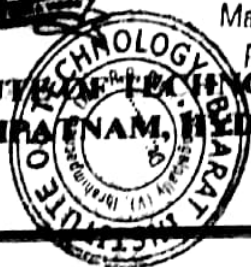
Bharat Institute of Technology- Pharmacy

HOSPITAL GUIDE

DR. ANUJA PATIL  
M.D, D.M (Neurology)  
consultant neurologist,  
KIMS.



**BHARAT INSTITUTE OF TECHNOLOGY**  
**MANGALPALLY, IBRAHIMPATNAM, HYDERABAD-501510**



*A.S.U. 181*

**PRINCIPAL**

Bharat Institute of Technology  
Mangalpally (V), Ibrahimpatnam (M),  
R.R. Dist. - 501 510, Telangana.







# BHARAT INSTITUTE OF TECHNOLOGY

(Accredited by NAAC, Approved by PCI & AICTE, Affiliated to JNTUH)  
Mangalpally (V), Ibrahimpatnam (M), R.R. Dist - 501 510, Telangana, India

## Certificate of Internship



This is to certify that  
**Mr. CHALLAM VENU**

Roll No. 16171TD028

of Bharat Institute of Technology (Pharmacy), Ibrahimpatnam, Hyderabad  
has successfully completed the Pharm.D Internship at  
Krishna Institute of Medical Sciences, Secunderabad  
in the following units/departments as prescribed under regulation 16 and  
Appendix C of Pharm D Regulations 2008

DEPARTMENT	DATE		TOTAL DURATION
	FROM	TO	
GENERAL MEDICINE	09-08-2021	05-02-2022	Six Months
NEPHROLOGY	08-02-2022	07-04-2022	Two Months
ONCOLOGY	11-04-2022	10-06-2022	Two Months
CARDIOLOGY	13-06-2022	12-08-2022	Two Months

Preceptor



Principal  
Bharat Institute of Technology

PRINCIPAL  
Bharat Institute of Technology  
Mangalpally (V), Ibrahimpatnam (M)  
R.R. Dist - 501 510, Telangana, India

Medical Superintendent  
KIMS Hospital,  
Secunderabad.

Dr. Sambit Sahu  
Medical Director & H.O.D. Critical Care  
KIMS Hospital, Secunderabad.



PHARM-D  
PRINCIPAL  
Bharat Institute of Technology  
Mangalpally (V), Ibrahimpatnam (M)  
R.R. Dist - 501 510, Telangana.



**Antiatherosclerotic Activity Of *Annona reticulata*"**



**PROJECT PROTOCOL SUBMITTED TO THE JAWAHARLAL NEHRU  
TECHNOLOGICAL UNIVERSITY-HYDERABAD IN PARTIAL FULFILMENT  
FOR THE AWARD OF THE DEGREE OF**

**MASTER OF PHARMACY  
IN  
(PHARMACOLOGY)**

***Submitted by***  
**MANTEPALLY PRASHANTH KUMAR (M.Pharm)**  
**Regd. No .17171S0107**

***Under the supervision of***  
**Mrs. PASUPULATI. HARITHA,**

**M.Pharm , Ph.D  
Associate Professor  
Department of Pharmacology**



**Bharat Institute of Technology (Pharmacy)  
MANGALPALLY, HYDERABAD-501510**

*Ch S 48*

**PRINCIPAL**

**Bharat Institute of Technology  
Mangalpally (V), Ibrahimpetnam (M),  
R.R. Dist - 501 510, Telangana.**



A PROJECT REPORT ON

**"PHYTOCHEMICAL AND HEPATOPROTECTIVE STUDY OF PHYLLANTHUS  
VIRGATUS G.FORST"**

*A Thesis Submitted in Partial Fulfilment of the Requirements*

of

**MASTER OF PHARMACY**

Submitted to



**Jawaharlal Nehru Technological University**

**HYDERABAD**

By

**BUTOOL FATIMA (19171S0101)**

Under the guidance of

**Dr. G. Kalyani M. Pharm, Ph.D**

**Dept. of Pharmacology**



**BHARAT INSTITUTE OF TECHNOLOGY**

Approved by PCI, AICTE and affiliated to JNTUH

**Mangalpally (V), Ibrahimpatnam (M), R.R. Dist., Telangana-501510**



*B.S.V.8*  
**PRINCIPAL**

**Bharat Institute of Technology**  
**Mangalpally (V), Ibrahimpatnam (M),**  
**R.R. Dist - 501 510 Telangana**





**A PROJECT REPORT ON  
EVALUATION OF ANTITUMOR PROPERTY OF  
DEONXIA REGIA**

*A Thesis Submitted in Partial Fulfilment of the Requirements*

*of*

**MASTER OF PHARMACY**

**Submitted to**



**Jawaharlal Nehru Technological University**

**HYDERABAD**

**By**

**VIPPULA ANITHA (19171S0105)**

*Under the guidance of*

**Dr. G. KALYANI M. Pharm, Ph.D**

**Department of Pharmacology**



**BHARAT INSTITUTE OF TECHNOLOGY**

**Approved by PCI, AICTE and affiliated to JNTUH  
Mangalpally (V), Ibrahimpatnam (M), R.R. Dist., Telangana-  
501510**



*Ch. S. G. 18/18*  
**PRINCIPAL**  
**Bharat Institute of Technology**  
**Mangalpally (V), Ibrahimpatnam (M),**  
**R.R. Dist - 501 510, Telangana.**



A PROJECT REPORT ON  
**▲STUDY ON MEDICATION UTILISATION PATTERN FOR THE  
MANAGEMENT OF PREGNANCY COMPLICATIONS IN A TERTIARY  
CARE TEACHING HOSPITAL**

*A Thesis Submitted in Partial fulfillment of the Requirements  
of MASTER OF PHARMACY IN*

PHARMACOLOGY

Submitted to

**Jawaharlal Nehru Technological University**

HYDERABAD

By

**ANITHA RAMAGALLA**

*Under the guidance of*

**SANCHARI GOSWAMI**

Assistant Professor,

Dept. of Pharmacology



**BHARAT INSTITUTE OF TECHNOLOGY**

Approved by PCI, AICTE and affiliated to JNTUH  
Mangalpally (V), Ibrahimpet (M), R. Dist., Telangana - 501510.



*G. S. 19/10/18*  
**PRINCIPAL**  
Bharat Institute of Technology  
Mangalpally (V), Ibrahimpet (M),  
R. Dist. - 501 510, Telangana



**A PROJECT REPORT ON**



**INVESTIGATION OF ANTIDEPRESSANT ACTIVITY  
OF NARDOSTACHYS JATA MANSI**

**A Thesis Submitted in Partial Fulfilment of the Requirements**

**of**

**MASTER OF PHARMACY**

**Submitted to**



**Jawaharlal Nehru Technological University**

**HYDERABAD**

**By**

**MAJID HUSSAIN (19171SO102)**

**Under the guidance of**

**Mrs. JE RACHEL NIVEDITHA**

**Dept. of Pharmacology**



**BHARAT INSTITUTE OF TECHNOLOGY**

**Approved by PCI, AICTE and affiliated to JNTUH  
Mangalpally (V), Ibrahimpatnam (M), R.R. Dist., Telangana-501510**



*Ch. S. V. G.*  
**PRINCIPAL**  
Bharat Institute of Technology  
Mangalpally (V), Ibrahimpatnam (M)  
R.R. Dist - 501 510, Telangana.





**A PROJECT REPORT ON  
EVALUATION OF ANTIULCER PROPERTY OF  
DELONXIA REGIA**

*A Thesis Submitted in Partial Fulfillment of the Requirements*

*of*

**MASTER OF PHARMACY**

Submitted to



**Jawahar Lal Nehru Technological University**

**HYDERABAD**

By

**VIPPULA ANITHA (19171S0105)**

Under the guidance of

**Dr. G. KALYANI M. Pharm, Ph.D**

**Department of Pharmacology**



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501510**



*A.S.P. 181*  
**PRINCIPAL**  
**Bharat Institute of Technology**  
**Mangalpally (V), Ibrahimpatnam (M),**  
**R.R. Dist - 501 510, Telangana.**



**A PROJECT REPORT ON  
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**A Thesis Submitted in Partial Fulfilment of the Requirements**

**of**

**MASTER OF PHARMACY**

**Submitted to**



**Jawaharlal Nehru Technological University**

**HYDERABAD**

**By**

**VIPPULA ANITHA (19171S0105)**

**Under the guidance of**

**Dr. G. KALYANI M. Pharm, Ph.D**

**Department of Pharmacology**



**BHARAT INSTITUTE OF TECHNOLOGY**

**Approved by PCI, AICTE and affiliated to JNTUH  
Mangalpally (V), Ibrahimpatnam (M), R.R. Dist., Telangana-  
501510**



*[Handwritten signature]*

**PRINCIPAL**  
Bharat Institute of Technology  
Mangalpally (V), Ibrahimpatnam (M),  
R.R. Dist. - 501 510, Telangana.

**FORMULATION AND EVALUATION OF  
FAST DISSOLVING FILMS OF INSORBIDE MONOSULFATE**

**Project Report Submitted To Bharat Institute of Technology**

**As a course work for fulfillment of award of**

**MASTER OF PHARMACY**

**IN**

**PHARMACEUTICS by**

**Jawaharlal Nehru Technological University, Hyderabad**

**Submitted By**

**G.LAKSHMAN KUMAR (19171S0301)**

**Under the Guidance of**

**Ms. KABITA BANIK**

**Ass. Professor in Department of pharmaceuticals**

**Affiliation: JNTUH**



**BHARAT INSTITUTE OF TECHNOLOGY**

**Approved by PCI, AICTE and affiliated to JNTUH Mangalpally (V), Ibrahimpatnam (M),  
R. R. Dist., Telangana - 501 510**



*Handwritten signature*  
**Bharat Institute of Technology  
Mangalpally (V), Ibrahimpatnam (M),  
R.R. Dist - 501 510, Telangana**







Approved by AICTE & PCI, New Delhi and Affiliated to JNTU, Hyderabad  
Sponsored by : CHINTA RUDRA MAHESWARA RAO FOUNDATION FOR  
MANGALPALLY (Village) / Industrial Parks (Mangalpet, Hyderabad) - 501 510  
Ph: 08414-277265, Fax: 08414-277265, E-mail: mangalpet@bharatit.org

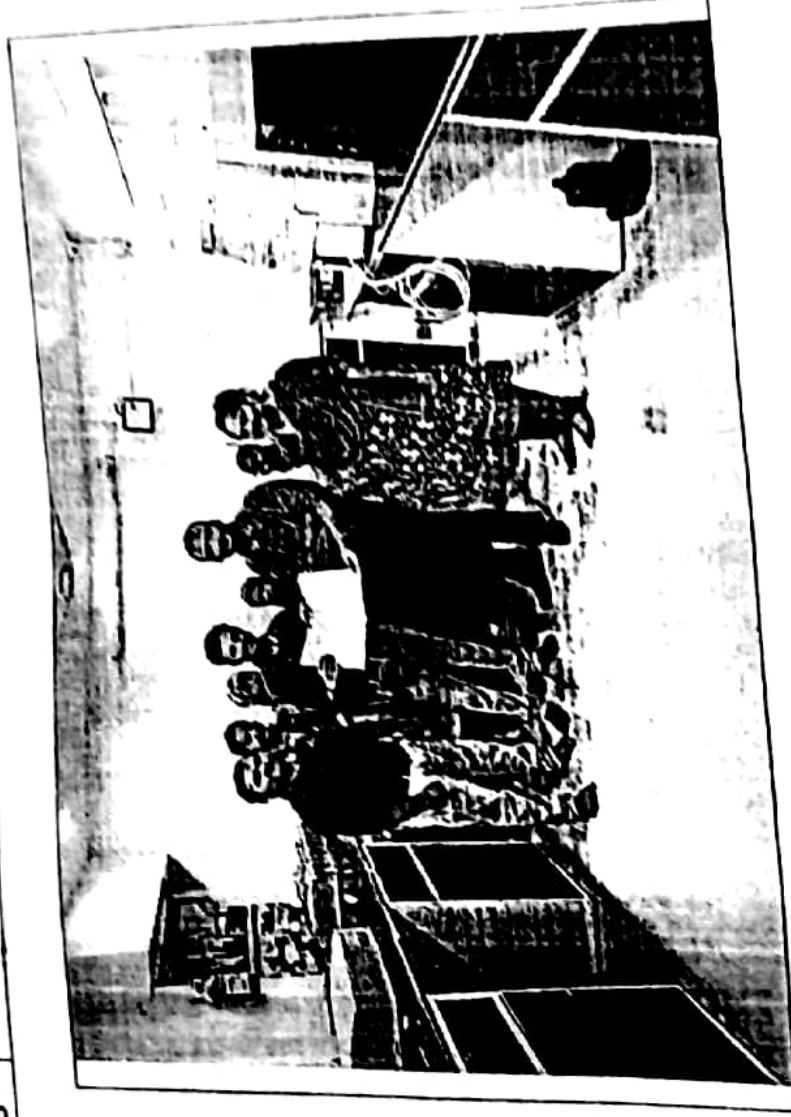
Ref.: BIT/AICTE/MAR/2022-20

Date: 05/04/2022

## INDUSTRIAL TRAINING

**BHARAT INSTITUTE OF TECHNOLOGY (PHARMACY) HAVING MOU  
(MEMORANDUM OF UNDERSTANDING) WITH FOLLOWING COMPANIES FOR  
INDUSTRIAL TRAINING & PLACEMENTS GUIDANCE**

S. No.	Pharmaceutical Company/ Industry
1	Akshaj Molecular Research Pvt., Ltd., Nacharam, Hyderabad, Date: 25-03-2017
2	Jupitor Formulations, IDA - Bhongir, Hyderabad, Date: 09-03-2015
3	Sanjeevani Bio Services Pvt., Ltd., Ameerpet, Hyderabad, Date: 02-03-2019
4	Sura Pharma Labs, Dilsukh Nagar, Hyderabad, Date: 07-02-2019
5	Nishka Research Pvt., Ltd., Hyderabad, Date: 19-02-2019



Principal  
Bharat Institute of Technology  
Mangalpally (V), Ibrahimpatnam (M),  
R.R. Dist - 501 510, Telangana.



# BHARAT INSTITUTE OF TECHNOLOGY

Mangalpally (V), Ibrahimpatnam (M), R. R. District (AP) - 501510

(Approved by AICTE & PCI, New Delhi and Affiliated to JNTUH, Hyderabad)

## B. Pharm IV Yr II Semester Project List (AY:2019-2020)

Batch No	Roll No.	Student Name	Guide Name
1.	GENERIC SUBSTITUTION FOR BRAND-NAME MEDICINES A CROSS-SECTIONAL SURVEY		Dr. N. Srinivas
	16171R0005	Papani Jyothi	
	16171R0015	Banda Meena	
	16171R0029	BairiNandhini	
	16171R0046	ThimmidiYugandhar	
2.	SURVEY ON DEPRESSION DUE TO COVID-19 LOCKDOWN		Dr. Shibnath Kamila
	16171R0003	MudavathVennela	
	16171R0021	KadariMounika	
	16171R0037	Kandukuri Sandesh	
	16171R0041	More Murali	
3.	FORMULATION, CHARACTERIZATION AND EVALUATION OF MICROSPHERES CONTAINING ISONIAZID		Dr. Y. Phalguna
	16171R0012	PathuriUdaya Sri	
	16171R0031	PotharajuRevathi	
	16171R0032	I Srividya	
	16171R0042	Akavaram Shiva Reddy	
4.	PSYCHOLOGICAL BEHAVIOUR AND SOCIAL FACTORS INFLUENCING COVID-19 IN INDIA		Dr. S. Gurunath
	16171R0022	Madugula Lakshmi Prasanna	
	16171R0028	SamaYashasswi	
	16171R0033	Dharavath Krishnaveni	



*H. S. 10.10.20*  
**PRINCIPAL**  
Bharat Institute of Technology  
Mangalpally (V), Ibrahimpatnam (M),  
R. R. Dist - 501 510, Telangana.



	16171R0062	Dushwanth Kumar Kadari	
5.	<b>DESIGNING AND DEVELOPMENT OF MEDICINAL PLANT GARDEN</b>		
	16171R0017	VaditheDivyaSreeBai Chandra	<b>Dr. Marina Dsouza</b>
	16171R0026	GatlaSravya	
	16171R0061	BolishettiSharath	
	16171R0065	VislavathSrikanth	
6.	<b>SYNTHESIS OF NOVEL BENZIMIDAZOLE DERIVATIVES AND EVALUATION OF ANTHELMINTIC ACTIVITY STUDY</b>		
	16171R0020	Kadaganchi Sravanthi	<b>Dr. Mrinmay Das</b>
	16171R0030	K Manasa	
	16171R0034	Allam Krishna Keerthana	
	16171R0050	KotraKarunaSagar	
7.	<b>THE FORMULATION AND IN-VITRO EVALUATION OF NICARDIPINE SUSTAINED RELEASE TABLETS</b>		
	16171R0002	GuntiAnusha	<b>Dr. Kitika Shenmer</b>
	16171R0038	SunkariSaiShanker	
	16171R0047	KokkondaPradeep Reddy	
	16171R0059	Jammu Anil Pavan	
8.	<b>EVALUATION OF THE KNOWLEDGE AND AWARENESS ON COVID-19 IN PUBLIC</b>		
	16171R0007	SamidiAnjana	<b>Mrs. P. Haritha</b>
	16171R0040	PrajaktaPallamoni	
	16171R0053	NallaManideep	
	16171R0060	B Shubham	
9.	<b>SYNTHESIS AND ANTIMICROBIAL ACTIVITY OF PYRAZOLINE DERIVATIVES</b>		
	16171R0024	Kambalapally Shilpa	<b>Mr. P. Dinch</b>




Bharat Institute of Technology  
Wangalpally (V), Ibrahimpatnam (M)  
A.R. Dist- 501 510, Telangana





		Reddy	
	16171R0027	K Saritha	
	16171R0044	Kethavath Nikhil Kumar	
	16171R0072	Nandam Yogeswari Devi	
10.	DESIGN AND INVITRO CHARACTERIZATION OF NITAXOZONIDE SUSTAINED RELEASE TABLETS		
	16171R0019	Chitella Maheshwari	Mrs. Sangeetha
	16171R0015	Kasturi Ramya	
	16171R0029	Mekala Ramana Reddy	
	16FA1R0014	Rajashekhar	
11. A	FORMULATION AND EVALUATION OF GASTRO-RETENTIVE FLOATING MICROSPHERES OF ACYCLOVIR		
	16171R0001	Raheema Khatoon	Dr. P. Hyma
	16171R0004	Elmakanne Sri Ramya	
	16171R0010	R Shravani	
	16171R0023	Gadamalla Sony	
	16171R0045	Biradar Pavan Kumar	
11. B	FORMULATION AND EVALUATION OF NIOSOMAL GEL OF ACYCLOVIR		
	16171R0009	Manda Taruni	Dr. P. Hyma
	16171R0071	B Rajeshwari	
	16171R0073	Bitla Jagadeeshwar	
	16171R0075	Prathapagiri Tejaswini	
12.	FORMULATION AND EVALUATION OF POLYHERBAL CHEWABLE TABLETS TO TREAT ALLERGY		
	16171R0006	Mallapally Nikhitha Reddy	Dr. G. Sumalatha
	16171R0011	Ajmeri Begum	
	16171R0014	Gundukola Mounika	





**Principal**  
Bharat Institute of Technology  
Mangalpally (V), Ibrahimpatnam (M),  
R.R. Dist. - 501 510, Telangana.



	16171R0043	Dattatreya	
13.	FORMULATION AND <i>IN VITRO</i> EVALUATION OF LEFLUNOMIDE LOADED TOPICAL ETHOSOMAL GEL		
	16171R0055	LokasaniVivek Reddy	Dr. Ch. Vijayavani
	16171R0064	Abdul Riyaz	
	16171R0070	ShaikNazeer	
	16171R0074	B PreethiPrashamsa	
14.	STABILITY INDICATING RP-HPLC METHOD DEVELOPMENT AND VALIDATION FOR SIMULTANEOUS ESTIMATION OF SOFOSBUVIR AND VELPATASVIR IN BULK AND PHARMACEUTICAL DOSAGE FORM		
	16171R0008	PathlavathNeha	Mrs. S. Namratha
	16171R0013	Neha Sultana	
	16171R0018	MutyalaKeerthana	
	16171R0069	Bellamkonda Ajay Kumar	
	16171R0016	NenawathMayukhi	



R.S. 4.8.19.

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R.R. Dist - 501 510, Telangana.



# FORMULATION AND *IN VITRO* EVALUATION OF LEFLUNOMIDE LOADED TOPICAL ETHOSOMAL GEL

Under the Guidance of  
Dr. Ch.S.Vijaya vani, M. Pharm., Ph.D.  
Associate Professor, Dept. of  
Pharmaceutics

Presented By:  
L.Vivek Reddy(16171R0055)  
Abdul Riyaz(16171R0064)  
Shaik.Nazeer(16171R0070)  
B.Preethi Prashamsa(16171R0074)



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Ch. S. V. Vani

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# THE FORMULATION AND *IN-VITRO* EVALUATION OF NICARDIPINE SUSTAINED RELEASE TABLETS

*A Thesis Submitted To*



Jawaharlal Nehru Technological University, Hyderabad

*In Partial Fulfillment of the Requirements for*  
THE DEGREE OF BACHELOR OF PHARMACY

BY

GUNTI ANUSHA	(16171R0002)
SUNKARI SAI SHANKAR	(16171R0038)
K. PRADEEP REDDY	(16171R0047)
JAMMU ANIL PAVAN	(16171R0059)

*Under the Guidance of*

**Dr. Kitika Shenmar,**  
Associate Professor, BIT



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Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy District-501510

2020



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Ranga Reddy District - 501510, Telangana





# BHARAT INSTITUTE OF TECHNOLOGY

Mangalpally (V), Ibrahimpatnam (M), R. R. District (AP) – 501510

(Approved by AICTE & PCI, New Delhi and Affiliated to JNTUH, Hyderabad)

## V Yr Pharm D & II Yr Pharm D (PB) Project List (AY:2019-2020)

Sl. No.	Roll No.	Student Name	Institutional Guide Name	Hospital Guide Name
1.	Clinical study of efficacy of Poly Ethylene Glycol (PEG) versus Lactulose in patients with IBS- C and Functional Constipation.			
	15171T0019	Nakka Sri Bhavani	Dr. Shibnath kamila	Dr. Nitesh Pratap, DNB (Medicine), DNB (Gastroenterology)
	15171T0018	Abhishiktha Garima		
2.	A Retrospective study on Incidence of NODAT in post kidney transplant patients on immunosuppresants.			
	15171T0006	Keesara Srivathsasa	Dr. Kezia K Sam	Dr.V.S.Reddy, MD, DM Nephrology Consultant
	15171T0011	Dharanikota Meghana		
	15171T0017	Kistipati Bhavana		
3.	Response to levodopa/carbidopa combination in patients with Parkinson plus Syndromes. A prospective observational study.			
	18175T0001	Cheguri Akhila Reddy	Dr. Kezia K Sam	Dr. Jaya Sree. M, MD, DM, Consultant Neurologist
	18175T0005	Salma Tasneem		
4.	A study on antibiotic protocol in elective orthopedic surgeries.			
	15171T0002	Vaka Pratyusha	Mrs. P.Haritha	Dr. Uday Krishna, M.SC, M.Ch (ORTHO)
	15171T0013	Kasu Harshitha		
	15171T0028	Rangineni Praneet		
5.	Impact of preadmission antibiotics and current antibiotics on the clinical outcome of critically ill patients.			
	15171T0003	Pannala Keerthi Reddy	Dr.G.Sumalatha	Dr. Sethu Babu, MBBS (AU), MD (Int Med) (OU). DM (Gastroenterology) Dr. Y. Satya Tejaswini Clinical Pharmacist
	15171T0004	Rathnavath Mounika		
	15171T0015	Vissapragada Bhavani Alekhya		
6.	Comparison study between short acting and long acting erythropoiesis stimulating agents in chronic kidney disease and anemia in patients undergoing hemodialysis: Safety and Efficacy outcomes			
	15171T0012	Besu Sowmya	Mrs. P. Pushpa	Dr.E. Ravi, MD, DM,



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15171T0016	Putnala Anusha		Consultant Nephrologist
15171T0026	Aakunuri Akhil		
<b>Impact of colistin monotherapy versus combination therapy on patient's clinical outcomes and safety.</b>			
15171T0001	Nikita Samnani	Dr. Ch. Ascharya	Dr.G. Diwakar Naidu, MBBS,MD, DM (Nephrology) Dr. Y. Satya Tejaswini Clinical Pharmacist
15171T0005	Pisati Mounika Reddy		
15171T0027	Puligari Praveen Reddy		
<b>A clinical study on Rationalization of meropenem among critically ill patients in a tertiary care hospital</b>			
15171T0010	Arikeri Shalini	Dr. Ch. Ascharya	Dr. Shivaraju, MBBS, MD (Internal medicine), DIP.
15171T0024	Md. Kamaluddidin Omer		
15171T0029	Godishala Nikitha		
<b>Retrospective study of Pemetrexed induced nephrotoxicity.</b>			
15171T0007	Punukula Hari Chandana	Ms. Kiran verma	Dr. Narendra Kumar Thota, MBBS, MD, [Medical Oncology]
15171T0009	Chalamalasetti Bhavya		
15171T0021	Kallem Sharat Venkat Reddy		
<b>Evaluation of hydroxychloroquines induced retinopathy in systemic lupus erythematosus patients</b>			
15171T0014	GajulaSriteja	Dr. Marina D'Souza	Dr .Sarath Chandra Mouli V, MD(NIMS), MRCP(UK)
15171T0020	Dandayala Pavankalyan		
<b>Risk factors of Intracranial haemorrhage in patients taking anticoagulant therapy.</b>			
18175T0002	EramSarosh	Dr. N. Srinivas	Dr. Praveen Kumar Yada, MBBS, MD, DM(NEUROLOGY)
18175T0003	Maimuna Fatima		
18175T0004	MD Bilal		



*Q.S. 488*

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MANGALPALLY, IBRAHIMPATNAM, HYDERABAD

**V YR PHARM D ATTENDANCE SHEET**  
**PROJECT STUDENT LIST**

SL. No.	Hall Ticket No.	Name	Signature
1.	15171T0001 ✓	Samnani Nikita	Ny
2.	15171T0002 ✓	Vaka Pratyusha	Pray
3.	15171T0003 ✓	Pannala Keerthi	Ke
4.	15171T0004 ✓	Rathnavath Mounika	Mony
5.	15171T0005 ✓	Pisati Mounika Reddy	Mounika reddy
6.	15171T0006 ✓	Keesara Srivathsasa	Suy
7.	15171T0007 ✓	Punukula Harichandana	Harichandana
8.	15171T0008 ✓	Munagala Laharika	Laharika
9.	15171T0009 ✓	Chalamalasetti Bhavya	Bhavya
10.	15171T0010 ✓	Arikeri Shalini	shalini
11.	15171T0011 ✓	Dharanikota Meghana	Megha
12.	15171T0012 ✓	B Sowmya	Suy
13.	15171T0013 ✓	Kasu Harshitha	Harshitha
14.	15171T0014 ✓	Gajula Sri Teja	Teja
15.	15171T0015 ✓	Vissapragada Bhavani Alekhya	Alekhya
16.	15171T0016 ✓	P Anusha	Anusha
17.	15171T0017 ✓	Kistipati Bhavana	Bhavana
18.	15171T0018 ✓	Garima	Garima
19.	15171T0019 ✓	Nakka Sri Bhavani Abhishiktha	Bhavani
20.	15171T0020 ✓	Dandyala Pavan Kalyan	Pavan kalyan
21.	15171T0021 ✓	K Sharat Venkat Reddy	Sharat
22.	15171T0024	Mohammed Kamaluddin Omer	Alex
23.	15171T0026 ✓	Aakunuri Akhil	Akhil
24.	15171T0027	Puligari Praveen Reddy	Praveen
25.	15171T0028 ✓	Rangineni Parikshith Rao	Parikshith
26.	15171T0029 ✓	G Nikitha	Ny



B. S. K. S. P.

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# PROJECT TITLE LIST

## PHARM.D 5<sup>TH</sup> YEAR

2019-2020

Batch.no	Roll.no	Guide	Topic
1	15171T0006 15171T0011 15171T0017	Dr. V. Satti Reddy	Incidence of NODAT in post kidney transplant
2.	15171T0002 15171T0013 15171T0028	Mrs. Haritha Pasupulati	A study on Antibiotic efficacy in elective orthopedic surgery
3.	15171T0007 15171T0009 15171T0021	Dr. Narender kumar thota	Pemetrexed induced Nephrotoxicity in NSCLC- patients
4.	15171T0003 15171T0004 15171T0015	Dr.Sethu Babu	Impact of Antibiotics and current antibiotics on the clinical outcome of patients
5.	15171T0012 15171T0016 15171T0026	Ms.Twila puspha	Comparative study between short acting and long acting ESA in CKD patient s
6.	15171T0010 15171T0025 15171T0029	Dr.CH. Ascharya	Clinical study on Ratinalization of Meropenem among critically ill patients
7.	15171T0008	Mrs Twila puspha	A prospective open lable comparative study of efficacy of otilonium bromide and Mebeverine hydrochloride
8.	15171T0001 15171T0005 15171T0014	Dr.sai krushna reddy	A Prospective study Management of COPI and clinical outcome in patients
9.	15171T0019 15171T0020 15171T0018	Dr. S.Gurunath	Assesment of Prescriptin pattern of antibiotics in pediatric population of secondary care hospital



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**A PROJECT REPORT  
ON  
“A PROSPECTIVE OPEN LABEL COMPARATIVE STUDY OF  
EFFICACY OF OTILONIUM BROMIDE AND MEBEVERINE  
HYDROCHLORIDE IN DIARRHOEA PREDOMINANT IRRITABLE  
BOWEL SYNDROME [IBS-D]”.**

**2019 - 2020**



**DISSERTATION**

**Submitted to Jawaharlal Nehru Technological University,  
Hyderabad**

**In partial fulfilment of the requirement for the award of Degree of  
DOCTOR OF PHARMACY  
SUBMITTED BY**

**MUNAGALA. LAHARIKA**

**15171T0008**

**Under the Esteemed Guidance of**

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**Ms. P. TWILA PUSHPA**

**Asst. Professor**

**Bharat Institute of Technology- Pharmacy**

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**HOSPITAL GUIDE**

**DR. NITESH PRATAP**

**DNB (Medicine), DNB**

**(Gastroenterology)**

**Consultant**

**Gastroenterologist and  
Therapeutic endoscopist.**

**KIMS**

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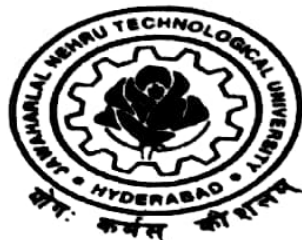
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**CLINICAL STUDY ON RATIONALIZATION OF MEROPENEM  
AMONG CRITICALLY ILL PATIENTS IN TERTIARY CARE  
HOSPITALS.**

**PROJECT REPORT**



Dissertation work submitted to Jawaharlal Nehru Technological  
University, Hyderabad, in partial fulfillment of requirements for the  
degree of

**Doctor of Pharmacy (Pharm.D)**

*Submitted by*

**ARIKERI SHALINI (15171T0010)  
MD.KAMAL OMER(15171T0025)  
NIKITHA GODISHALA (15171T0029)**

**UNDER THE GUIDANCE OF**

<b>INSTITUTIONAL GUIDE</b>	<b>HOSPITAL GUIDE</b>
<b>Dr.CH.ASCHARYA</b> <b>Asst.Professor</b> <b>Bharat Institute of Technology- Pharmacy</b>	<b>Dr. SHIVA RAJU</b> <b>MBBS, MD, SENIOR</b> <b>CONSULTANT PHYSICIAN</b> <b>&amp;DIABETOLOGIST</b>



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**2019-2020**



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*Signature*  
**Bharat Institute of Technology**  
**Mangalpally, Ibrahimpatnam**  
**R.R. Dist. No. 501510**



A PROJECT REPORT  
ON  
"COMPARITIVE STUDY BETWEEN SHORT ACTING AND LONG  
ACTING ERYTHROPOIESIS STIMULATING AGENTS(ESA'S) IN  
CHRONIC KIDNEY DISEASE IN PATIENTS UNDERGOING  
HEMODIALYSIS: SAFETY AND EFFICACY OUTCOMES".

2019 - 2020



**DISSERTATION**

Submitted to Jawaharlal Nehru Technological University,  
Hyderabad

In partial fulfilment of the requirement for the award of Degree of

**DOCTOR OF PHARMACY**

SUBMITTED BY

BESU. SOWMYA

15171T0012

PUTNALA. ANUSHA

15171T0016

AKUNURI. AKHIL

15171T0026

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# IMPACTS OF PREADMISSION ANTIBIOTICS AND CURRENT ANTIBIOTICS ON THE CLINICAL OUTCOME OF CRITICALLY ILL PATIENTS

## PROJECT REPORT



Dissertation work submitted to Jawaharlal Nehru Technological university,  
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**DOCTOR OF PHARMACY (PHARM.D)**

**Submitted by**

<b>P. KEERTHI REDDY</b>	<b>(15171T0003)</b>
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<b>V. BHAVANIALEKHYA</b>	<b>(15171T0015)</b>

**Under the Esteemed Guidance of**

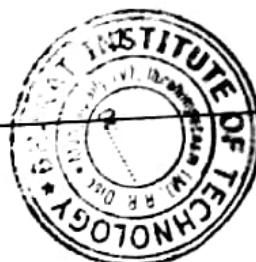
<b>HOSPITAL GUIDE</b>	<b>INSTITUTIONAL GUIDE</b>
<b>Dr. Sethu babu</b> <b>M.B.B.S MD (internal medicine)</b> <b>D.M (Gastroenterology)</b>	<b>Dr. G. SUMALATHA</b> <b>Assoc Professor</b> <b>DEPT.OF PHARMACOGNOSY BIT</b>



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**R.R. Dist. Pin: 501510**





**PEMETREXED INDUCED NEPHROTOXICITY  
IN NSCLC PATIENTS- A RETROSPECTIVE  
STUDY**

**PROJECT REPORT**



Dissertation work submitted to Jawaharlal Nehru Technological University,  
Hyderabad, in partial fulfillment of requirements for the degree of  
**Doctor of Pharmacy (Pharm.D)**

*Submitted by*

**P. HARICHANDANA** (15171T0007)  
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**UNDER THE GUIDANCE OF**

<b>HOSPITAL GUIDE</b>	<b>INSTITUTIONAL GUIDE</b>
<b>Dr. NARENDER KUMAR THOTA</b> <b>DM-ONCOLOGY, DNB-GENERAL</b> <b>MEDICINE, MBBS</b> <b>MEDICAL ONCOLOGIST-KIMS</b>	<b>MS.KIRAN VERMA,</b> <b>M.PHARMACY</b> <b>( PHARMACY PRACTICE)-NIPER</b>



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**2017-2018**



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A PROJECT REPORT  
ON  
"A STUDY OF ANTIBIOTIC EFFICACY IN ELECTIVE  
ORTHOPEDIC SURGERY".

2019 - 2020



DISSERTATION

Submitted to Jawahar Lal Nehru Technological University,  
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In partial fulfillment of the requirement for the award of Degree of

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VAKA PRATYUSHA

15171T0002

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REKSHA PABHULATI

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M.Sc, M.Ch

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Mangalpally, Ibrahimpatnam, Hyderabad  
Date: 15.05.2020

# RETROSPECTIVE STUDY OF INCIDENCE OF NODAT IN POST KIDNEY TRANSPLANT PATIENTS ON IMMUNOSUPPRESSANTS

## PROJECT REPORT



Dissertation work submitted to Jawaharlal Nehru Technological University,  
Hyderabad, in partial fulfillment of requirements for the degree of  
**Doctor of Pharmacy (Pharm.D)**

*Submitted by*

**KEESARA SRIVATHSASA**  
(15171T0006)

**DHARANIKOTA MEGHANA**  
(15171T0011)

**K.BHAVANA (15171T0017)**

**UNDER THE GUIDANCE OF**

HOSPITAL GUIDE	INSTITUTIONAL GUIDE
<b>Dr. V. Satti Reddy</b> <b>MBBS, M.D., D.M(Nephrology)</b> <b>Consultant Nephrologist</b> <b>Department of Nephrology, KIMS</b>	<b>Dr. Kezia Sam</b> <b>Asst.Professor</b> <b>Department of pharmacy practice</b> <b>BIT-Pharmacy</b>



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2019-2020



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**A PROJECT REPORT  
ON  
"A STUDY OF ANTIBIOTIC EFFICACY IN ELECTIVE  
ORTHOPEDIC SURGERY".**

**2019 - 2020**



**DISSERTATION**

**Submitted to Jawaharlal Nehru Technological University,**

**Hyderabad**

**In partial fulfillment of the requirement for the award of Degree of**

**DOCTOR OF PHARMACY**

**SUBMITTED BY**

**VAKA. PRATYUSHA**

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**15171T0013**

**RANGINENI. PRANEET**

**15171T0028**

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**MAIRTHA PASUPULATI**

**Dr. UDAY KRISHNA**

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**M.Sc, M.Ch**

**Department of Pharmacology**

**Department of**

**Bharat Institute of Technology - Pharmacy**

**Orthopedic, KIMS**



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**CH. S. V. 4. 89**

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Mangalpally (V), Ibrahimpatnam (M), R. R. District (AP) – 501510

(Approved by AICTE & PCI, New Delhi and Affiliated to JNTUH, Hyderabad)

## M. Pharm Project Completed Students List (AY: 2019-2020)

Batch No	Roll No.	Student Name	Guide Name
1.	<b>Multimodality approaches for patients with gastroesophageal reflux disease</b>		
	18171S1503	Zeenath Anjum	Dr. Shibnath Kamila
2.	<b>Formulation and evaluation of Telmisartan solid dispersion of encapsulation using different polymer</b>		
	15171S0304	K. Yashasree	Mrs. Kabita Banik
3.	<b>A prospective clinical study to evaluate the efficacy of Nootropic hair Nourishment oil.</b>		
	17171R0508	Sd. Nasma Fatima	Dr. Shibnath Kamila
4.	<b>A prospective clinical study of a memory oil FM7 for learning and memory enhancement action in healthy human volunteers.</b>		
	17171R0507	Md. Abul Hasan Amer	Dr. Shibnath Kamila
5.	<b>Evaluation of Anti-atherosclerotic activity of Annona reticulata.</b>		
	17171R0107	M Prashanth Kumar	Mrs. P Haritha
6.	<b>evaluate the patient knowledge about their disease, medicine and impact on therapy for some common illness in Ravirala Village, Telangana.</b>		
	16171R0503	S. Hemlatha	Dr. Shibnath Kamila
7.	<b>A prospective clinical study of a medhya taila for learning and memory enhancement action in healthy human volunteers.</b>		
	16171S0509	Kaneez Fatima	Dr. Shibnath Kamila
8.	<b>Nephro protective activity of Tricholepis glaberrima</b>		
	16171S0103	Samsindhuja	Dr. S. Gurunath
9.	<b>Nephro protective activity of Cypalarius ratitodus</b>		
	16171S0109	T Sowjanya	Mrs. P. Haritha



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Dist. - 501 510, Telangana



10.	<b>Anti-atherosclerosis activity of Ethanolic extracts of <i>Echinops echinatus</i>.</b>		
	16171S0111	B. Sravya	Mr. Dillip Raja
11.	<b>Anti anxiety activity of <i>Sebastiana chamalea</i> in wister rats.</b>		
	16171S0107	K. Sheetal	Mrs. P. Haritha
12.	<b>Anti-atherosclerotic activity of <i>Ochna obtusata</i>.</b>		
	17171S0110	T. Swathi	Mrs. P. Haritha
13.	<b>Design and optimization of diltiazem matrix tablets as sustained release.</b>		
	16171S0307	K.Nagajyothi	Dr. Y. Phalguna
14.	<b>Anti anxiety activity of <i>Fumaria indica</i> in wister rats.</b>		
	17171S0103	G. Pramodh	Mr. Dillip Raja
15.	<b>Clinical study on neurological manifestation in patients with hemorrhagic and Ischemic stroke.</b>		
	17171S0106	K. Kotamma	Mrs. Keethi Sammeta
16.	<b>Clinical study on association of Vitmin D levels with the severity of bronchial asthma.</b>		
	17171S0104	K. Rohini	Mrs. Keethi Sammeta
17.	<b>Anti-atherosclerotic activity of <i>Polygonum glabrum</i>.</b>		
	16171S0104	Amreen Begum	Mrs. Prachi Shukla



Ch. S. V. V. V.  
**PRINCIPAL**  
**Bharat Institute of Technology**  
**Mangalpet (V), Ibrahimpatnam**  
**R.A. Dist - 501 510, Telangana**



**CLINICAL STUDY ON ASSOCIATION OF VITAMIN D LEVELS WITH THE  
SEVERITY OF BRONCHIAL ASTHMA**



**PROJECT PROTOCOL SUBMITTED TO THE JAWAHARLAL NEHRU  
TECHNOLOGICAL UNIVERSITY HYDERABAD IN PARTIAL FULFILMENT  
FOR THE AWARD OF THE DEGREE OF**

**MASTER OF PHARMACY  
IN  
(PHARMACOLOGY)**

*Submitted by*  
**K.ROHINI (M.Pharm)**  
**Regd. No .1717180104**

*Under the supervision of*  
**Mrs. KEERTHI SAMMETA,**

**M. Pharm ,  
Associate Professor  
Department of Pharmacology**



**Bharat Institute of Technology (Pharmacy)  
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*Ch. S. V. S. P.*

**PRINCIPAL**  
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**Mangalpally (V), Ibrahimpatnam**  
**R.R. Dist - 501 510, Telangana**





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## Certificate of Internship



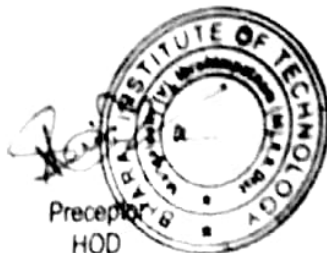
This is to certify that

**Ms. AKITI SRATHA REDDY**

Roll No. 14171TD001

of Bharat Institute of Technology (Pharmacy), Ibrahimpatnam, Hyderabad  
has successfully completed the Pharm.D Internship at  
Krishna Institute of Medical Sciences, Secunderabad  
in the following units/departments as prescribed under regulation 16 and  
Appendix C of Pharm D Regulations 2008

DEPARTMENT	DATE		TOTAL DURATION
	FROM	TO	
MEDICINE	01-07-2019	28-12-2019	Six Months
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ORTHOPEDICS	03-03-2020 22-04-2020	21-03-2020 30-05-2020	Two Months
SURGERY	01-06-2020	31-07-2020	Two Months



Preceptor  
HOD  
Dept. of Pharmacy Practice  
BIT

Ch S. S. S.  
Principal  
Bharat Institute of Technology

**Bharat Institute of Technology**  
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Ibrahimpatnam (M), R.R. Dist

Director of Medical Education  
KIMS Hospital,  
Secunderabad

**Dr. P. RAJA GOPAL**

B.Sc.MBBS,MS MCh, M.A.MS(CTS),FIAS  
Director, Medical Education  
Krishna Institution of Medical Sciences  
Minister Road, Secunderabad-500 023





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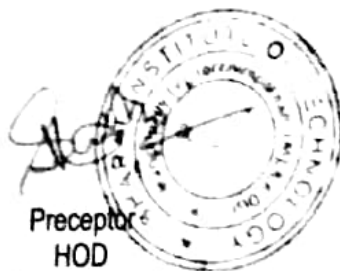
This is to certify that

**Mr. MANDADI SUDESH**

Roll No. 14171T0024

of Bharat Institute of Technology (Pharmacy), Ibrahimpatnam, Hyderabad  
has successfully completed the Pharm.D Internship at  
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*Alakesh*

Director of Medical Education  
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Secunderabad

**Dr. P. RAJA GOPAL**  
B.Sc.MBBS M'S MCH MAMS(CTS)FIAS  
Director, Medical Education  
Krishna Institute of Medical Sciences







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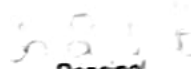
**Ms. THATIKONDA SAI PRIYA REDDY**

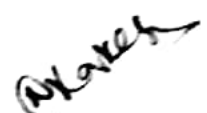
Roll No. 14171T0021

of Bharat Institute of Technology (Pharmacy), Ibrahimpatnam, Hyderabad  
has successfully completed the Pharm.D Internship at  
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Ibrahimpatnam (M), R.R. Dist - 501 510

  
Director of Medical Education  
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Secunderabad.  
**Dr. P. RAJA GOPAL**  
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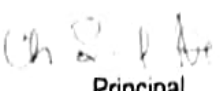
**Ms. MUCHERLA ROJA**


Roll No. 1417170014

of Bharat Institute of Technology (Pharmacy), Ibrahimpatnam, Hyderabad  
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*This is to certify that*

*Ms. VALASI KAVITHA*

*Roll No. 1317110018*

*of Bharat Institute of Technology (Pharmacy), Ibrahimpatnam, Hyderabad  
has successfully completed the Pharm.D Internship at  
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SURGERY	13-05-2019	12-07-2019	Two Months

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This is to certify that

**Ms. SOLIPURAM ANUSHA**

Roll No. 13171T0026

of Bharat Institute of Technology (Pharmacy), Ibrahimpatnam, Hyderabad  
has successfully completed the Pharm.D Internship at  
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This is to certify that

*Ms. CHINNI SRAVANI REDDY*

*Roll No. 13171T0023*

*of Bharat Institute of Technology (Pharmacy), Ibrahimpatnam, Hyderabad  
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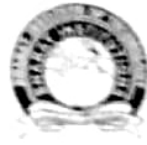
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This is to certify that

Ms. PITCHIKA SUBHADRA

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This is to certify that

**Mr. PASHIKANTI SHARATH CHANDRA**

Roll No. 13171T0017

of Bharat Institute of Technology (Pharmacy), Ibrahimpatnam, Hyderabad  
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Secunderabad.



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Mangalpet (V), Brahmapuram (M), R. R. District (AP) - 501510  
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 Phone: 08546 121662, e-mail: bharatbte@gmail.com

## B. Pharm IV Yr II Semester Project List (AY:2018-2019)

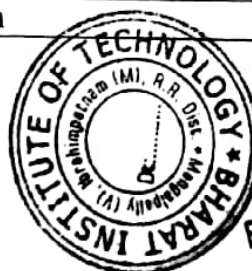
Sl. No.	Hall Ticket No.	Name of the student	Guide Name
<b>Antibacterial potential of curcumin incorporated carboxy-zinc nanoparticles against E. coli resistant strain</b>			
1.	15171R0001	A. Sanku Chait	Dr. M. Kiranmai
2.	15171R0002	Lakshmi Priya	
3.	15171R0003	J. Kavya	
4.	15171R0004	V. Kavya	
5.	15171R0005	J. Vidyaashree Reddy	
<b>Development and validation for the quantitative estimation of Nateglinide in bulk by RP-HPLC</b>			
6.	15171R0006	P. Manjusha	Ms. N. Manasree Mrs. Phanisree
7.	15171R0007	A. Sudha	
8.	15171R0008	P. Vidya	
9.	15171R0009	Anusha	
10.	15171R0010	Vishal	
<b>Study of Antioxidant potential of Indian herbs onion, ginger and garlic</b>			
11.	15171R0011	A. Manika	Mrs. Nirmala Bharati
12.	15171R0012	Ashwini	
13.	15171R0013	Geeta Krishna	
14.	15171R0014	Ushasree	
<b>Evaluation of anti-urolithiatic activity of Maringa oleifera leaves by UV spectrophotometer</b>			
15.	15171R0015	G. V. Pragnya	Mrs. B. Uma Rajeswari
16.	15171R0016	S. Akshitha	
17.	15171R0017	V. Veenitha	
18.	15171R0018	G. Tulasi	
<b>RP-HPLC method development and validation for estimation of Nefinavir in pure form and pharmaceutical dosage form</b>			
19.	15171R0019	S. Kethana	Mrs. S. Samratha & Mrs. Priyanka
20.	15171R0020	Farheen Begum	
21.	15171R0021	D. Swarna	
22.	15171R0022	K. Khushi	
<b>Formulation and evaluation of Herbal Analgesic gel</b>			
23.	15171R0023	V. Vanu Priya	Dr. G. Sumalatha
24.	15171R0024	V. Sai Deepika	
25.	15171R0025	K. Swarna	
26.	15171R0026	J. Shreetha	
<b>Synthesis, Characterization and Anthelmintic Activity Study of Novel Substituted Benzimidazole Derivatives</b>			
27.	15171R0008	A. S. S. Reddy	Dr. Mrinmay



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28.	15171R0011	M. Durga Bhavani	Das
29.	15171R0061	K. Shravan Kumar	
30.	15171R0063	P. Vivek Reddy	
Preparation, in-vivo and ex-vivo characteristic of matrix type transdermal patches of palonosteros			
31.	15171R0038	K. Chandrika	Dr. A.V.Badrinath
32.	15171R0044	N.B. Bhargavi	
33.	15171R0031	P. Deepika	
34.	15171R0067	J. Pradeep Reddy	
Formulation and evaluation of herbal lipstick from color pigments of punica granatum			
35.	15171R0009	D. Sravani	Dr. Sai Krushna
36.	15171R0020	R. Glory Theresa	
37.	15171R0022	G. Sai Pravallika	
38.	15171R0028	P. Anjali	
Formulation and in-vitro evaluation of aloe vera cleansing face and body cream			
39.	15171R0010	J. Renuka	Dr. S. Sandhya Rani
40.	15171R0013	P. Vardhini	
41.	15171R0017	K. Sahithi	
42.	15171R0041	N. Prathyusha	
43.	15171R0024	S. Niharika	
Synthesis and antimicrobial antifungal activity of Pyrazoline Derivatives.			
44.	15171R0050	T. Naresh	Mr. Dinesh
45.	15171R0059	R. Srikanth	
46.	15171R0056	B. Sai Krishna	
47.	15171R0051	T. Ranjith Yadav	Dr. Mihir Parmar
48.	15171R0053	A. Nikhil Kumar	
49.	15171R0021	A. Narendra	
50.	15171R0057	Srinath	
51.	15171R0003	Y. Sai Meghana	Dr. Vijaya Vani
52.	15171R0055	P. Akhil	
53.	15171R0060	G. Suresh	
54.	15171R0018	K. Sowjanya	
Formulation, Characterization and in-vitro evaluation of isoniazide microsphere			
55.	15171R0005	K. Likitha Purna	Dr. Y. Phalguna
56.	15171R0033	Prashanthi	
57.	15171R0029	Akhila	
58.	15171R0015	N. Shirisha	
59	15171R0047	Y.Prakash	Mrs. Keerthi
60	15171R0052	M.Madhusudhan	
61.	15171R0065	B.Naresh	
62.	15171R0062	Irfan	



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R.R. Dist - 501 510, Telangana.





**A PROJECT REPORT ON**  
**STUDY OF ANTIOXIDANT POTENTIALS OF INDIAN HERBS**  
**ONION, GINGER AND GARLIC**

*A Thesis Submitted in Partial Fulfillment of the Requirements*

*Of*  
**BACHELOR OF PHARMACY**

Submitted to  
**Jawaharlal Nehru Technological University**

**HYDERABAD**

by

<b>A.MOUNICA</b>	<b>(15171R0002)</b>
<b>S.ASHRITHA</b>	<b>(15171R0004)</b>
<b>G.DHARANI</b>	<b>(15171R0034)</b>
<b>G.SHAILAJA</b>	<b>(15171R0068)</b>

Under the guidance of

**Mrs.S.NIRMALA BHARATHI**

**M.Pharm. PhD**

**ASSOCIATE PROFESSOR**

**Dept. of Pharmaceutical Chemistry**



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**Principal**  
Bharat Institute of Technology  
Mangalpally (V), Ibrahimpatnam (M),  
R. R. Dist. - 501 510, Telangana



**A PROJECT REPORT ON**  
**FORMULATION AND IN VITRO EVALUATION OF ALOEVERA CLEANSING**  
**FACE AND BODY CREAM**

*A Thesis Submitted in Partial Fulfillment of the Requirements*

*Of*  
**BACHELOR OF PHARMACY**

Submitted to  
**Jawaharlal Nehru Technological University**

**HYDERABAD**

by

<b>K.SAHITHI</b>	<b>(15171R0017)</b>
<b>P.VARDHINI</b>	<b>(15171R0013)</b>
<b>S.NIHARIKA</b>	<b>(15171R0024)</b>
<b>N.PRATHYUSHA</b>	<b>(15171R0041)</b>
<b>LRENUKA</b>	<b>(15171R0010)</b>

Under the guidance of

**Dr. G.SANDHYA RANI** M.Pharm, PhD, PGC

**Dept. of Pharmaceutics**



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*Lesal*  
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Institute of Technology  
Mangalpally (V), Ibrahimpatnam (M), R. R. Dist. - 501 510

**A PROJECT REPORT ON  
PREPARATION, IN-VITRO AND EX-VIVO CHARACTERIZATION OF MATRIX  
TYPE TRANSFERMAL PATCHES OF PALONOSETRON HYDROCHLORIDE**

*A Thesis Submitted in Partial Fulfillment of the Requirements*

*Of*

**BACHELOR OF PHARMACY**

Submitted to

**Jawahar Lal Nehru Technological University**

**HYDERABAD**

by

**J.PRADEEP REDDY (15171R0067)**

**K.CHANDRIKA (15171R0030)**

**M.BHARGHAVI (15171R0044)**

**P.DEEPIKA (15171R0031)**

Under the guidance of

**Dr. A VenkataBalarinath, M.Pharm., Ph.D.**

**Dept. of Pharmaceutics**



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R.R. Dist. - 501 510. Telangana**





**SYNTHESIS, CHARACTERIZATION AND ANTIHELMINTIC STUDY OF NOVEL  
SUBSTITUTED BENZIMIDAZOLE DERIVATIVES**

*A Thesis Submitted in Partial Fulfillment of the Requirements*

*Of*

**BACHELOR OF PHARMACY**

Submitted to

**Jawaharlal Nehru Technological University**

**HYDERABAD**

by

**A.SOWJANYA (15171R0008)**

**K.SHRAVAN (15171R0061)**

**M.DURGA (15171R0011)**

**P.VIVEK REDDY (15171R0063)**

Under the guidance of

**Dr.Mrinmay Das M.Pharm, Ph.D**

**Dept. of Pharmaceutical Organic Chemistry**



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*Kesa*  
**PRINC**  
Bharat Institute  
Mangalpally (V),  
R.R. Dist. - 50



**A PROJECT REPORT ON**  
**FORMULATION, CHARACTERIZATION AND INVITRO EVALUATION OF**  
**ISONIAZID MICROSPHERES**

*A Thesis Submitted in Partial Fulfillment of the Requirements*

*Of*  
**BACHELOR OF PHARMACY**

Submitted to  
**Jawaharlal Nehru Technological University**

**HYDERABAD**

By

**K.LIKHITHA PURNA (15171R0005)**

**N.SHIRISHA (15171R0015)**

**S.AKHILA (15171R0029)**

**B.PRASHANTHI (15171R0033)**

Under the guidance of

**Dr. Y.PHALGUNA M.Pharm., Ph.D**

**Dept. of Pharmaceutics**



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**Mangalpally (V), Ibrahimpatnam (M), R. R. Dist., Telangana - 501510.**



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# BHARAT INSTITUTE OF TECHNOLOGY (17)

MANGALAPALLY (V), IBRAHIMPATNAM (M), R.R. DIST - 501510

## STATEMENT OF SCORES

### ASSESSMENT OF INTERNSHIP OF 6<sup>th</sup> YEAR PHARM.D

(DOCTOR OF PHARMACY)  
ACADEMIC YEAR 2018-2019

Registration No: 13171T0001

Name of the candidate: SARIKONDA SREEKAR VARMA

S.NO	Assessment Criteria	Maximum Scores	Scores Secured
1	Proficiency of knowledge required for each case management	5	03
2	The Competency in skills expected for providing clinical pharmacy services	5	04
3	Responsibility, Punctuality, work up of case, involvement in patient care	5	04
4	Ability to work in a team (Behavior with other healthcare professionals including medical doctors nursing staff and colleagues)	5	04
5	Initiative, participation in discussions, research aptitude	5	03


Poor	Fair	Below Average	Average	Above Average	Excellent
0	1	2	3	4	5

Note: A Score of less than 3 in any of above items will represent unsatisfactory completion of membership


Verified by DR. T. S. Y. THANKACHAN 

Signature of the Head of the institution

(With Seal)

  
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Bharat Institute of Technology  
Mangalpally (V),  
Ibrahimpatnam (M), R.R. Dist - 501510



  
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# BHARAT INSTITUTE OF TECHNOLOGY (17)

MANGALAPALLY (V), IBRAHIMPATNAM (M), R.R. DIST -501510

## STATEMENT OF SCORES

### ASSESSMENT OF INTERNSHIP OF 6<sup>th</sup> YEAR PHARM.D(POST BACCALAUREATE)

(DOCTOR OF PHARMACY)  
ACADEMIC YEAR 2018-2019

Registration No: 16175T0004

Name of the candidate: SYED MUKHTAR RAZI

S.NO	Assessment Criteria	Maximum Scores	Scores Secured
1	Proficiency of knowledge required for each case management	5	04
2	The Competency in skills expected for providing clinical pharmacy services	5	03
3	Responsibility, Punctuality, work up of case, involvement in patient care	5	03
4	Ability to work in a team (Behavior with other healthcare professionals including medical doctors nursing staff and colleagues)	5	04
5	Initiative, participation in discussions, research aptitude	5	04

Poor	Fair	Below Average	Average	Above Average	Excellent
0	1	2	3	4	5

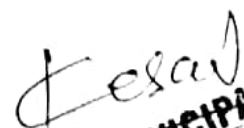
Note: A Score of less than 3 in any of above items will represent unsatisfactory completion of membership

Verified by DR. TESU THAKACHAN



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R.R. Dist - 501 510, Telangana



# BHARAT INSTITUTE OF TECHNOLOGY (17)

MANGALAPALLY (V), IBRAHIMPATNAM (M), R.R. DIST -501510

## STATEMENT OF SCORES

### ASSESSMENT OF INTERNSHIP OF 6<sup>th</sup> YEAR PHARM.D(POST BACCALAUREATE)

(DOCTOR OF PHARMACY)  
ACADEMIC YEAR 2018-2019

Registration No: 13171T0006

Name of the candidate: ZOHA

S.NO	Assessment Criteria	Maximum Scores	Scores Secured
1	Proficiency of knowledge required for each case management	5	04
2	The Competency in skills expected for providing clinical pharmacy services	5	03
3	Responsibility, Punctuality, work up of case, involvement in patient care	5	03
4	Ability to work in a team (Behavior with other healthcare professionals including medical doctors nursing staff and colleagues)	5	04
5	Initiative, participation in discussions, research aptitude	5	04

Poor	Fair	Below Average	Average	Above Average	Excellent
0	1	2	3	4	5

Note: A Score of less than 3 in any of above items will represent unsatisfactory completion of membership

Verified by D.B. JESY. THANKACHAN

Signature of the Head of the institution

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R.R. Dist - 501 510. Telangana)





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**Mangalpally(V), Ibrahimpatnam, R.R-Dist**

**PHARMACEUTICS -M. PHARM (2018-2019)-PROJECT VIVA LIST**

S.NO	HALL TICKET NO	NAME OF THE STUDENT	TITLE
1	13171S0303	S. INDU REKHA	FORMULATION & EVALUATION OF EXTENDED RELEASE TABLETS OF BOSENTAN
2	13171S0305	G.BHARGAVI	FORMULATION & EVALUATION OF FAST DISSOLVING TABLETS OF RIZATRIPTON
3	15171S0301	B.SANGEETHA	FORMULATION & EVALUATION OF GASTRO RETENTIVE DRUG DELIVERY SYSTEM CONTAINING PROPRANOLOL.HCL
4	15171S0304	K.YASHASREE	FORMULATION & EVALUATION OF TELMISARTAN SOLID DISPERSION OF ENCAPSULATION USING DIFFERENT POLYMER
5	16171S0307	K.NAGAJYOTHI	DESIGN AND OPTIMIZATION OF DILTIAZEM MATRIX TABLETS AS SUSTAINED RELEASE
6	15171S0313	T.THIRUPATHAIAH	FORMULATION AND INVITRO EVALUATION OF PRAZOSIN.HCL NANOPARTICLES
7	15171S0315	M.BOBBI KUMAR	FORMULATION, CHARACTERIZATION OF POLYMERIC NANOPARTICLES OF DOCETABINE
8	17171S0301	DONKESHWAR PRASANTH	EFFECT OF POLYMERS IN THE FORMULATION OF SUSTAINED RELEASE TABLETS OF GUAIFESIN USING VARIOUS HYDROPHILIC POLYMERS
9	17171S0302	G.MOUNIKA	FORMULATION AND INVITRO CHARACTERIZATION OF LAMIVUDINE MICROSPHERES FOR SUSTAINED DRUG DELIVERY
10	17171S0303	K.JAGRUTHI	FORMULATION AND INVITRO EVALUATION OF ITOPRIDE FAST DISSOLVING TABLETS USING SUPERDISINTEGRANTS



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1	17171S0304	KRUTHIKA LALIT	FORMULATION AND INVITRO EVALUATION OF KETOPROFEN USING B-CYCLODEXTRIN CAPPED SILVER NANOPARTICLES
2	17171S0305	MADDI SWETHA	FORMULATION AND EVALUATION OF PITAVASTATIN NANOPARTICLES
3	17171S0306	MEKAPOTHULA PAVANI	FORMULATION AND INVITRO EVALUATION OF ANASTROZOLE LOADED TRANSFEROSOMAL GELS
14	17171S0308	P.BHARATH KUMAR	FORMULATION AND EVALUATION OF FLOATING MICROSPHERS OF REPAGLINIDE BY IONIC GELATION METHOD
15	17171S0309	R.SWAPNA	FORMULATION AND INVITRO EVALUATION OF EPIRUBICIN ORGANOGELS
16	17171S0310	TALLAPALLY KAVERI	FORMULATION AND INVITRO EVALUATION OF PALONOSETRON MICROSPONGES



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(Approved by AICTE & PCI, New Delhi and Affiliated to JNTUH, Hyderabad)

## V Yr Pharm D & II Yr Pharm D (PB) Project List (AY:2018-2019)

Batch No	Roll No.	Student Name	Institutional Guide Name	Hospital Guide Name
1.	Impact of intravenous proton pump inhibitors in prevention and management of upper GI bleeding in critical care unit.			
	14171T0010	K.Akshitha Reddy	Ms. Kiran Verma	Dr. Sethu Babu, MBBS (AU), MD (Int Med) (OU). DM (Gastroenterology)
	14171T0012	K.Sri Hasanthi		
2.	Comparision of clinical outcomes between cefaperazone + sulbactam, piperacillin + tazobactam as Empirical therapy in UTI.			
	14171T0004	A.Sai Bashitha	Mrs. B. Uma Rajeshwari	Dr.E. Ravi, MD, DM, Consultant Nephrologist
	14171T0026	Ch.Srinidhi		
3.	Comparitive clinical study of warfarin and rivaroxaban (newer anti-coagulant) in the treatment of Venous thromboembolism with respect to efficacy and side effects.			
	14171T0018	P.Trishanka Reddy	Ms. Ashwini	Dr. Shivaraju, MBBS, MD (Internal medicine), DIP.
	14171T0021	T.Sai Priya Reddy		
4.	Role of calcitrol in chronic kidney disease - mineral bone disorder in dialysis patients.			
	14171T0014	M.Roja	Mrs. Nirmala Bharathi	Dr.G. Diwakar Naidu, MBBS,MD, DM (Nephrology)
	14171T0020	S.Niharika Reddy		
5.	Effectiveness of fixed dose combination (ciclesonide, formoterol and tiotropium) therapy in the management of COPD.			
	14171T0007	D.Lakshmi Prasanna	Dr.Sneha.V.Reddy	Dr.V.V.Ramana Prasad, MBBS, MD (Pulmology)
	14171T0008	G.Nishitha Reddy		
6.	Deceased donor kidney transplant with ATG induction and triple immunosuppressive agents (Tacrolimus, MMF, Prednisolone)			
	14171T0011	K.Shobha	Dr.G.Suma Latha	Dr.Sreedhar Reddy, MD, DM, Consultant Nephrologist
	14171T0025	P.Sai Priya		
7.	Outcomes of living related kidney transplant recipient with triple immunosuppesants (tacrolimus, mycophenolate, corticosteroids) at 6 months post transplantation.			



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	14171T0017	P.Keerthi	Dr. Divya	Dr.Sreedhar Reddy, MD, DM, Consultant Nephrologist
	14171T0022	T.Akhila		
8.	Efficacy and safety of sacubitril/valsartan and valsartan on heart failure patients in tertiary care centre.			
	14171T0016	P.Sarika	Dr. Shibnath Kamila	Dr.Dayasagar Rao, MBBS, MD (Cardiology)
	14171T0027	S.Avani Prakash		
9.	Clinical effect of formoterol and glycopyrronium in copd patients.			
	14171T0009	J.Pravallika	Dr. T. Tesy	Dr. V.V.Ramana Prasad, MBBS, MD(Pulmology)
	14171T0019	G.Priyanka		
10.	Clinical spectrum of sodium glucose co transporter (SGLT2) inhibitors in dual or triple therapy in type II diabetes patients in tertiary care centre.			
	14171T0002	A.Bhavananjali	Dr. V. Sneha	Dr .Shiva Raju, MBBS, General Medicine
	14171T0003	A.Gayathri		
	14171T0023	G.Ram Charan		
	14171T0024	M.Sudesh		
12.	A project on safety and efficacy of cefoperazone - sulbactam and piperacillin - tazobactam in sepsis in medical intensive care unit.			
	14171T0001	A.Sravya Reddy	Dr. C. Kiranmai	Dr. Praveen Kumar Kulkarni, MBBS, MD, (General Medicine)
	14171T0006	Ch.Eeshitha		



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**OUTCOME OF LIVING RELATED KIDNEY TRANSPLANT RECIPIENT  
WITH TRIPLE IMMUNOSUPPRESSANTS (TACROLIMUS,  
MYCOPHENOLATE, STEROIDS) AT 6 MONTHS POST  
TRANSPLANTATION.**

**PROJECT REPORT**



Dissertation work submitted to Jawahar Lal Nehru Technological University,  
Hyderabad, in partial fulfillment of requirements for the degree of  
Doctor of Pharmacy (Pharm.D)

*Submitted by*

**P.KEERTHI (14171T0017)**

**T.AKHILA (14171T0022)**

**UNDER THE GUIDANCE OF**

<u>Institutional Guide</u>	<u>Hospital Guide</u>
<b>Dr. DIVYA KULKARNI</b> Assistant Professor, PHARM.D BIT-Pharmacy	<b>Dr.Sreedhar Reddy</b> MBBS,DNB(Paed),DNB(Nephro) Consultant Nephrologist Department of Nephrology KIMS



**BHARAT INSTITUTE OF TECHNOLOGY**  
**MANGALPALLY, IBRAHIMPATNAM, HYDERABAD-501510**  
**2018-2019**



**PRINCIPAL**  
Bharat Institute of Technology  
Mangalpally, Ibrahimpatnam  
Hyderabad - 501510. Tel





# **IMPACT OF INTRAVENOUS PROTON PUMP INHIBITORS IN PREVENTION AND MANAGEMENT OF UPPER GASTRO INTESTINAL BLEEDING IN CRITICAL CARE UNIT.**

## **PROJECT REPORT**



Dissertation work submitted to Jawaharlal Nehru Technological University,  
Hyderabad, in partial fulfillment of requirements for the degree of  
**Doctor of Pharmacy(Pharm.D)**

*Submitted by*

**KAKSHITHA REDDY (14171T0010)**

**K.SHRI HASANTHI (14171T0012)**

**UNDER THE GUIDANCE OF**

<b>Hospital Guide</b>	<b>Institutional Guide</b>
<b>Dr.Sethu Babu</b> M.D.D.M. Senior consultant Department of gastroenterology KIMS hospital	<b>Ms. Kiran Verma</b> Asst Professor Bharat Institute Of Technology (Pharmacy).



**BHARAT INSTITUTE OF TECHNOLOGY**  
**MANGALPALLY, IBRAHIMPATNAM, HYDERABAD-501514**

**2018-2019**



**Bharat Institute of Technology**  
**Mangalpally (W) Ibrahimpatnam (K)**  
**H.R. Dist - 501 514, Telangana**





**COMPARISON OF THE CLINICAL OUTCOMES  
BETWEEN CEFOPERAZONE+SULBACTAM AND  
PIPERACILLIN+TAZOBACTAM AS EMPIRICAL THERAPY  
FOR URINARY TRACT INFECTIONS.**

**PROJECT REPORT**



Dissertation work submitted to Jawaharlal Nehru Technological University,  
Hyderabad, in partial fulfillment of requirements for the degree of

**Doctor of Pharmacy(Pharm.D)**

*Submitted by*

**A.SAI BASHITHA (14171T0004)**

**CH.SRINIDHI (14171T0026)**

**UNDER THE GUIDANCE OF**

<b>Hospital Guide</b>	<b>Institutional Guide</b>
<b>Dr. E.RAVI</b> M.D, D.M , Consultant Nephrologist Department of Nephrology KIMS hospital.	<b>B. UMA RAJESHWARI</b> Asst.Professor , Dept.Pharmaceutical biotechnology Bharat Institute Of Technology (pharmacy).



**BHARAT INSTITUTE OF TECHNOLOGY**  
**MANGALPALLY, IBRAHIMPATNAM, HYDERABAD**

**2018-2019**

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R.H. NO-501510, Telangana





Bharat Institute of Technology  
Mangalpally, Ibrahimpatnam, Hyderabad-501510

PROJECT PROTOCOL  
2018-19

1.	Name of the Student	ASIYA SHAHNAZ
2	Name of the Branch	Hospital & Clinical Pharmacy (HCP)
3	Name of the Course	M. Pharmacy
4	Registration Number	17171S0503
5	Date of Submission of Protocol	
6	Name of the Institutional Guide & Designation	Dr. SHIBNATH KAMILA Professor ; HOD- Hospital Pharmacy Bharat Institute of Technology - Pharmacy
	Name of the Institutional Co-Guide & Designation	Dr. M. KIRANMAI Professor; HOD-Pharmaceutical Chemistry Bharat Institute of Technology - Pharmacy
7	Name of the Clinical Guide & Designation	
8	Title of the Project Topic	A Prospective Evaluation of Anti-Inflammatory Activity of <i>Tinospora cordifolia</i> (Guduchi Ghana) extract loaded Silver Nanoparticles for treating Gouty Arthritis.
9	<p>a) Does the study require any investigations or interventions to be conducted on patients or on animals? If so describe briefly. No, therapeutic interventions or investigations are required. Patients medical records will be reviewed and patients will be interviewed briefly for collecting the information about their medical and physical condition as required. Patient's site with the pain (joint) will be examined under supervision of registered medicinal practitioner with his consent and improvement before and after application of the GEL formulated.</p> <p>b) If Yes, to obtain the clearance within 3 months from the date of protocol submission: - NA</p>	
10	Place of Study to be conducted: Bharat Institute of Technology & Dr BRKR Ayurvedic hospital.	



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## **PROTOCOL**

### **ABSTRACT:**

**Introduction:** Gout is an inflammatory joint disease, associated with an elevated uric acid level in blood which further leads to the deposition of urate crystals in the joints and kidneys followed by sudden, severe episodes of pain, tenderness, redness, warmth and swelling. Silver nanoparticles will be synthesized using 1mM aqueous silver nitrate solution from the extracts of *Tinospora cordifolia* and formation of silver nanoparticles will be confirmed by UV-Visible spectroscopy, FTIR, X-RD, Zeta potential and scanning electron microscopy. *Tinospora cordifolia* is selected based on its anti-inflammatory activity and phytochemical analysis will be carried.

**Objective:** To evaluate anti-inflammatory activity of *Tinospora cordifolia* (Guduchi Ghana) extract loaded silver nanoparticles for treating Gouty Arthritis.

**Methods:** Soxhlet extraction method and green synthesis will be employed to plant extract loaded with silver nanoparticles. The resultant nanoparticles will be subjected to characterization using UV-Visible spectroscopy, FTIR, X-RD, Zeta potential and scanning electron microscopy (SEM). Herbal gel formulation will be designed to evaluate toxicity and anti-inflammatory activity.

**Anticipated result:** *Tinospora cordifolia* extract loaded with silver nanoparticles formulation is expected to show effectiveness in treating inflammation associated with Gouty Arthritis. Secondary plant metabolites may response for their action.



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## INTRODUCTION:

Gout is an inflammatory joint disease, associated with an elevated uric acid level in blood which further leads to the deposition of urate crystals in the joints and kidneys followed by painful inflammation, gouty arthritis, and uric acid nephrolithiasis. Xanthine oxidase (XO) is responsible for oxidation of hypoxanthine to xanthine and finally xanthine to uric acid. Over activity of this enzyme and increased intake of dietary food rich in nucleic acids (e.g. meat, leguminous seeds) impair renal excretion of uric acid and result in hyperuricemia and gout [1].

Inflammation is the complex response of the immune system to infection and injury that leads to removal of offending factors and restoration of tissue structure and physiological function [12]. The symptoms of inflammation are characterized by pain, heat, redness, swelling and loss of function. It can be classified into two major types either acute or chronic, based on the duration of the inflammatory reaction. Though initiated as a protective phenomenon, loss of regulation of this complex process can lead to the development of various inflammatory disorders[2].

Another alternative method to develop newer anti-inflammatory agents with sustained release and better efficacy is the use of nanotechnology for drug development and delivery. Nanotechnology deals with the synthesis and fabrication of materials at the nanoscale level (1-100 nm). Among the various nanoparticles available, silver nanoparticles are gaining more importance due to their diversified biological properties and potential applications. Silver has been used since ancient times for the treatment of wounds and inflammation and nanoparticles of silver have been developed which have potent anti-inflammatory and anti-oxidant activities[2].

Silver nanoparticles can be synthesized by various physical and chemical methods, however they are costly, cumbersome and toxic to the environment. The use of biological systems as potential nanofactories has been widely explored as they are economical and eco-friendly. Plant extracts contain phyto-chemicals which aid in the reduction of the silver ions. The added advantage of using plants is that the alkaloids or also act as capping agents, thereby conferring the silver nanoparticles with additional pharmacological properties[2].

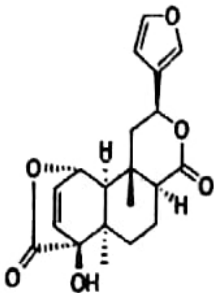
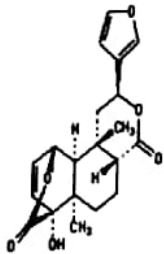
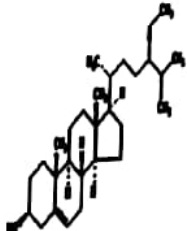
*Tinospora cordifolia* (commonly referred as Amrita or Guduchi) is a large, glabrous, climbing shrub indigenous to tropical Indian subcontinent and other Asian countries belonging to the family Menispermaceae. A variety of constituents have been isolated from *Tinospora cordifolia* from different parts such as alkaloids, diterpenoid lactones, steroids, glycosides, lipophilic compounds and polysaccharides. It is widely used especially for immunomodulatory, cardio-protective and hepato-protective. In Ayurveda, it has shown antirheumatic, anti-gout activity, it has also shown beneficial effect in diabetic foot ulcers and allergic rhinitis[3].



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**Plant Active Metabolites: -**

S. No	ACTIVE CHEMICAL	STRUCTURE	ACTION	SAFETY REFERENCE
1.	<b>Isocolumbin</b> ( <i>Tinospora cordifolia</i> )		Isocolumbin has both Anti-Inflammatory and anti-microbial activity. Both Isocolumbin and columbin has a significant anti-inflammatory activity.	M Rai, SS Gupta; J Res Ind Med., 1966, 10, 113-6. VK Pendse, AP Dadhich, PN Mathur, MS Bal Madam; Indian J Pharm Sci, 2000, 62, 257. CHEMISTRY AND MEDICINAL PROPERTIES OF TINOSPORA CORDIFOLIA (GUDUCHI)
2.	<b>Columbin</b> ( <i>Tinospora cordifolia</i> )		Columbin possess anti-inflammatory, anti-tumor, and inhibition of enzyme activity.	M Rai, SS Gupta; J Res Ind Med., 1966, 10, 113-6. VK Pendse, AP Dadhich, PN Mathur, MS Bal Madam; Indian J Pharm Sci, 2000, 62, 257. CHEMISTRY AND MEDICINAL PROPERTIES OF TINOSPORA CORDIFOLIA (GUDUCHI)
3	<b><math>\beta</math>-sitosterol</b> ( <i>Tinospora cordifolia</i> )		glucocorticosteroid induced osteoporosis in early inflammatory arthritis.	M Rai, SS Gupta; J Res Ind Med., 1966, 10, 113-6. VK Pendse, AP Dadhich, PN Mathur, MS Bal Madam; Indian J Pharm Sci, 2000, 62, 257. CHEMISTRY AND MEDICINAL PROPERTIES OF TINOSPORA CORDIFOLIA (GUDUCHI)



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## NEED OF THE STUDY:

The drugs used in inflammatory disorders may be either insignificant anti-inflammatory effects or mild to moderate anti-inflammatory activity. These drugs can cause gastric or intestinal ulceration that can sometimes cause secondary anemia including the liver damage to ultimate failure.

The present study is undertaken to synthesize silver particles using the aqueous extract of *Tinospora cordifolia* and to evaluate the silver nanoparticles for anti-inflammatory activity. Thus by synthesizing silver nanoparticles using *Tinospora cordifolia* extract, the potential advantages of phytomedicine and nanomedicine will be combined to result in a more enhanced and synergistic anti-inflammatory effect.

## PATIENTS AND METHODS: -

### AIM AND OBJECTIVE

**AIM:** - The aim of the study is Evaluation of Anti-Inflammatory Activity of *Tinospora cordifolia* (Guduchi Ghana) extract loaded Silver Nanoparticles for treating Gouty Arthritis.

### OBJECTIVE: -

1. Collection and authentication of plant by botanist.
2. To prepare plant extract and silver Nanoparticles loaded with plant extract
3. Characterization of silver Nanoparticles loaded with plant extract using UV-Visible spectroscopy, FTIR, X-RD, Zeta potential and scanning electron microscopy (SEM).
4. To prepare herbal gel formulation.
5. To conduct skin irritation test
6. To evaluate the efficacy of herbal gel formulation for anti-inflammatory action among the study population.

## STUDY DESIGN

- A prospective open – label, non – randomized, outpatient-based, single centered study that will be carried out to determine the efficacy of drug for anti-inflammatory action among the study population.



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- Patients with C/O inflammation both Male and Female aged about (Male 30-50yr) and (Female pre and post menopause) will be selected in our studies and with their consent will be performed for 1 month using test (GEL) drug.
- The test ayurvedic GEL will be applied on their different joints (preferred) or region where inflammation is occurring and with necessary precautions.
- The data is will be collected from the different groups of patients after therapy.
- The result will be calculated by using statistical tools.

**STUDY SITE:** - Bharat Institute of Technology and Dr. B.R.K.R. government Ayurvedic hospital, Erragadda, Hyderabad, (T.S)

**STUDY PERIOD:** - The study was proposed to be conducted for the period of 6 months.

#### **PREPARATION OF HERBAL GEL: -**

##### **Gel Formulation :**

S.No	Ingredients
1.	Carbopol 934
2.	Glycerine
3.	Sodium carboxy methyl cellulose
4.	Silver Nanoparticles
5.	Preservatives ( methyl paraben, propyl paraben )
6.	Distilled Water-vehicle (%)

#### **Preparation of Herbal Gel Formulation:**

##### **Preparation of Extract:**

The stems of *Tinospora cordifolia* will be dried in hot air oven at 55°C for 20 min. The stems will be grinded mechanically to make powder.

##### ☐ Preparation of hydro –alcoholic extract:

Powder (100g) will be defatted with petroleum ether and extracted with ethanol(95% v/v) with distilled water (80:20) using Soxhlet extraction apparatus. The filtrate obtain will be subjected to dryness at 100°C on water bath to give a residue.(4)

##### ☐ Synthesis of silver nanoparticles:

To 100 ml of 1mM AgNO<sub>3</sub> solution, 1 ml of the aqueous extract *Tinospora cordifolia* will be added and the mixture will be kept in a magnetic stirrer for 2 hrs. The mixture will be then centrifuged at 3000 rpm for 10 min and the residue will be used for characterization studies





(UV-Visible spectroscopy, FTIR, X-RD, Zeta potential and scanning electron microscopy (SEM)).(6)

### **Preparation of Topical Gel :**

Herbal gel will be prepared using carbopol-934 as a gelling agent in 1% w/w concentration with deionized water using mechanical stirrer. With continuous stirring, other ingredients like glycerine will be added. 1 % w/w herbal extract will be added to the gel and stir for sufficient time homogeneous mixing of extracts in gel base. Further, the topical formulation will be evaluated with physicochemical evaluation (pH, viscosity, spreadability etc.). Prepare gel will be filled in collapsible tubes and stored at cool and dry place. (6)

### Toxicity Studies:

**Skin irritation test will be done on rabbits based on standard statistical tools.**

**INCLUSION CRITERIA:**

- ☐ **Patients both Male and Female, Men usually develop it between the ages of 30 and 50.**  
**Women are more prone to gout after menopause**
- ☐ **Patient diagnosed with joint inflammation.**
- ☐ **Patient able to provide information consent by written or by oral modes.**
- ☐ **Patients who are not hospitalized (out-patient status)**

**EXCLUSION CRITERIA:**

- ☐ Patients of Age < 18
- ☐ Impaired renal and hepatic function (creatinine  $\geq 2.0$  mg/dl)
- ☐ Lactating women/ patients.

## EVALUATION PROCEDURE

### Tools used

- Patients pro forma will be designed to collect the data in order to obtain information regarding the clinical efficacy of the Gel,
- The McGill Pain Questionnaire will be used to evaluate a person experiencing significant pain.
- The data of test drug will be analyzed for its comparative Anti-Inflammatory effects using statistical analysis.



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## PLAN OF WORK

Protocol Preparation



Designing the patient data collection form.



Seeking permission for ethical committee.



Preparation of formulation.



Recruitment of study population of patients suffering with joint pain disorder.



Data collection & evaluation for the potency of drug on different age groups.



Calculation and statistical Evaluation.



Report and submission of Thesis



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**A Prospective Evaluation of Anti-Inflammatory Activity of *Tinospora cordifolia* (Guduchi Ghana) extract loaded Silver nanoparticles for treating Gouty Arthritis**

**PATIENT DATA COLLECTION FORM**

**Patient Name:** \_\_\_\_\_

**Age** \_\_\_\_\_ **Gender** \_\_\_\_\_ **Weight** \_\_\_\_\_

**Date of Admission** \_\_\_\_\_ **Address:** \_\_\_\_\_

**Mob NO:** \_\_\_\_\_

**HISTORY: -**

**HISTORY OF PRESENT ILLNESS: -**

**PAST MEDICAL HISTORY: -**

**DRUGS USED PREVIOUSLY: -**

**FAMILY HISTORY: -**

**PATIENT ALLERGIC TO ANY SPECIFIC FOOD/SUBSTANCE/CHEMICAL**



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## EVALUATION OF PATIENTS

Questionnaires	Score before treatment	Score after 3 days treatment	Score after 7 days treatment
How Strong is Your Pain?			
How Does Your Pain Change with Time?			
Any precipitating factor increases or decreases Pain			
Progression of the pain with days after usage of gel			

**\*NOTE:** - scores will be calculated based on McGill Pain Questionnaire

### Interpretation:

- minimum pain score: 0 (would not be seen in a person with true pain)
- maximum pain score: 3
- The higher the pain scores the greater the pain.

**Signature of participant**

**Signature of investigator**



*[Handwritten Signature]*  
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Mangalore - 575 004  
Bharat Institute of Technology  
Mangalore - 575 004  
R.R. Dist. - 575 004. Tel.

## INFORMED PATIENT CONSENT FORM

Subject identification number for this trial \_\_\_\_\_

Title of the Project:

\_\_\_\_\_  
\_\_\_\_\_

Name of the Principal Investigator \_\_\_\_\_ Tel. No. \_\_\_\_\_

I have received the information sheet on the above study and have read and / or understood the written information.

I have been given the chance to discuss the study and ask questions.

I consent to take part in the study and I am aware that my participation is voluntary.

I understand that I may withdraw at any time without this affecting my future care.

I understand that the information collected about me from my participation in this research and sections of any of my medical notes may be looked at by responsible persons (ethics committee members / regulatory authorities). I give access to these individuals to have access to my records.

I understand I will receive a copy of the patient information sheet and the informed consent form.

\_\_\_\_\_  
Signature / Thumb Impression of subject

\_\_\_\_\_  
Date of signature

\_\_\_\_\_  
Printed name of the subject in capitals

\_\_\_\_\_  
Signature / Thumb Impression of legally  
Accepted representative

\_\_\_\_\_  
Date of signature

\_\_\_\_\_  
Printed name of legally acceptable representative in capitals



*[Handwritten signature]*



Relationship of legally accepted representative to subject in capitals

Signature of the person conducting the  
Informed consent discussion

Date of Signature

Printed name of the person conducting the  
Informed consent discussion in capitals

Signature of impartial witness

Date of signature

Printed name of the impartial witness in capitals



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# ANNEXURE -II

## SHORT-FORM McGill PAIN QUESTIONNAIRE

Patient Name: \_\_\_\_\_

Age: \_\_\_\_\_

Weight: \_\_\_\_\_

Gender: \_\_\_\_\_

Cell No \_\_\_\_\_

Date: \_\_\_\_\_

PAIN	NONE	MILD	MODERATE	SEVERE
POROSPECTIVE				
THROBBING				
SHOOTING				
STABBING				
SHARP				
CRAMPING				
HOT-BURNING				
ACHING				
HEAVY				
TENDER				
TIRING-EXHAUSTIN G				
PUNISHINGCRUEL				

NO PAIN |-----| WORST POSSIBLE  
PAIN



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## REFERENCES:-

- Indian medicinal plants useful in treatment of gout: A review for current status and future prospective, Bhupinder Kapoor, Gagandeep Kaur, Mukta Gupta, Reena Gupta. Vol 10, Issue 11, 2017
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Aparna Mani KM, Seethalakshmi S, Gopal V (2015) Evaluation of In-vitro Anti-Inflammatory Activity of Silver Nanoparticles Synthesised using Piper Nigrum Extract. J Nanomed Nanotechnology 6:268. doi:10.4172/2157-7439.1000268
- A Review on *Tinospora cordifolia*  
\*U. Spandana, Shaik Liakhat Ali, T.Nirmala, M.Santhi, SD. Sipai Babu  
International Journal of Current Pharmaceutical Review and Research IJCPR, May-July 2013; 4(2); 61-68
- A review on urocosuric activity of *Tinospora cordifolia* Palak A. Shah and Gaurang B. Shah Bangladesh J Pharmacol 2015; 10: 884-890.
- M Rai, SS Gupta; J Res Ind Med., 1966, 10, 113-6.  
VK Pendse, AP Dadhich, PN Mathur, MS Bal Madam; Indian J Pharm Sci, 2000, 62, 257. CHEMISTRY AND MEDICINAL PROPERTIES OF TINOSPORA CORDIFOLIA (GUDUCHI)
- Development and Evaluation of Gel Incorporated with Synthesized Silver Nanoparticle from *Ocimum gratissimum* for the Treatment of Acne Vulgaris  
S Lakshmana Prabul\*, A Umamaheswaril, S Rajakumar, PL Bhuvaneshwaril and S Muthupetchi. Published 2017.



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**CERTIFICATE**

This is to certify that **CHINNI SRAVANI REDDY** Regd No. 13171T0023 has satisfactorily completed the course of Internship Practical in Krishna Institute of Medical sciences Ltd, which is in Memorandum of Understanding with our college as designed by PCI and submitted to JNTUH for course during the academic year 2018-2019.

*[Handwritten Signature]*  
22/2/19

Signature of Faculty

*[Handwritten Signature]*

Head of the Department

*[Handwritten Signature]*  
22/2/19

External Examiner

Internal Examiner



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## CERTIFICATE

This is to certify that RAASAM SAI JYOTHSNA Regd. No. 13171T0012  
satisfactorily completed the course of Internship Practical in Krishna Institute of  
Medical sciences Ltd., which is in Memorandum of Understanding with our  
college as designed by PCI and submitted to JNTUHI for course during the  
academic year 2018-2019.

*[Signature]*  
22/2/19

Signature of Faculty

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22/2/19

Head of the Department

*[Signature]*  
22/2/19

Internal Examiner

*[Signature]*  
22/2/19

External Examiner

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*[Signature]*  
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## **CERTIFICATE**

This is to certify that **PLECHKA SUBHADRA** Regd. No. 1317110021 has satisfactorily completed the course of Internship Practical in Krishna Institute of Medical sciences Ltd., which is in Memorandum of Understanding with our college as designed by PCI and submitted to JNTUH for course during the academic year 2018-2019.

*Desu*  
22/12/19

Signature of Faculty

*[Signature]*

Head of the Department

*Desu*  
22/12/19

Internal Examiner

*[Signature]*  
22/12/19

External Examiner

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## CERTIFICATE

This is to certify that PITCHIKA SUBHADRA Regd. No. 1317110021 has satisfactorily completed the course of Internship Practical in Krishna Institute of Medical sciences Ltd., which is in Memorandum of Understanding with our college as designed by PCI and submitted to JNTUH for course during the academic year 2018-2019.

  
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Signature of Faculty


  
22/2/19  
Head of the Department

  
22/2/19  
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**Bharath Institute of Technology - Pharmacy**  
**Mangalpally, Ibrahimpatnam, Hyderabad - 501510**

**PROTOCOL FOR PROJECT STUDY**  
**2018 - 2019**

1.	Name of the Student	SYEDA NASMA FATIMA
2.	Name of the Branch	Hospital and Clinical Pharmacy (HCP)
3.	Name of the Course	M. Pharmacy
4.	Registration Number	17171S0508
5.	Date of Submission of Protocol Review	
6.	Name of the Institutional Guide and Designation	Dr. SHIBNATH KAMILA, PhD Associate Professor, HOD-Dept. of Pharmacy Practice Bharat Inst. of Technology
7.	Name of the Clinical Guide and Designation	
8.	Title of the Project Topic	A Prospective Clinical Study to Evaluate the Efficacy of Nootropic Hair Nourishment Oil.
9.	a) Does the study require any investigations or interventions to be conducted on patients or animals? If so describe briefly  No, therapeutic investigations or interventions are required. It is a topical application as a form of hair oil. The effect will be evaluated based on interview about the beneficial action of the formulation.	
10.	Place of Study to be conducted: Bharat Institute of Technology and DR. B.R.K.R government Ayurvedic hospital and College, Erragadda, Hyderabad, Telangana.	



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Hyderabad - 501510



## Protocol

### INTRODUCTION:

In Ayurvedic approach, falling of hair is coined out as in term of 'Khalitya'. "Medhya" is an Ayurvedic concept that implies intellect or wisdom. The word "Memory" refers to the faculty by which the mind stores and remembers information. It is the power or process of reproducing or recalling what has been learned and retained especially through associative mechanisms. Mild forgetfulness and short term memory loss are common complaints in people as they age.

Hair nourishment and grooming aids have become increasingly popular throughout the world. Preparations available in the market for men include hair creams, liquid brilliantines, pomades and solid brilliantines, tonics, lotions and conditioners and for women wave sets, hair sprays, special rinses and lotions, brilliantines and conditioners. There are number of herbal plants, utilized in hair care formulations.

Nootropics are class of cognitive enhancing supplement that improve concentration and boost memory. Nootropics are often used to increase attention spans, help individuals focus and as studying aids. Nootropics referred to as "smart drugs" as they are associated with increased intelligence, motivation, and mental energy.

The objective of the study is to formulate hair nourishment oil applied topically which imparts hair growth, nourishment as well as improve memory and concentration by the incorporation of herbal drugs.

The ingredients used in the formulation of hair oil are *Phyllanthus emblica*, *Cinnamomum verum*, *Aloe vera*, *Sesamum indicum*, *Prunus dulcis*, *Cocos nucifera*, *Santalum album*, *Eclipta prostrata*, *Rosmarinus officinalis*. *Phyllanthus emblica* (Amla) is medhya nurturing for the mind and enhancing coordination among dhi (acquisition), dhriti (retention), and smriti (recall). It helps sharpen the intellect and mental functioning. It supports the nervous system and strengthens the senses. The researchers found that increased ingestion of cinnamon dramatically improved the memory of poor-learning mice. A study published in *Nutritional Neuroscience* found that *Aloe vera* reduced depression and improved memory in mice. Massaging your head with warm Sesame oil stimulates hair growth, controls dandruff, nourishes



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the scalp. Almond have been proven to enhance brain functions, memory power and cognitive performance. A use of coconut oil is as a potential treatment for dementia and Alzheimer's disease. Sandalwood oil has been noted for its ability to boost the memory and support concentration, thereby reducing anxiety and stress. Bhringraj oil helps in maintaining the natural colour of hair. Rosemary stimulates cell division and dilates blood vessels and, in turn, stimulates hair into producing new hair growth.

#### Plant Active Metabolites:

S.NO	PLANT INGREDIENTS	ACTION
1.	<i>Phyllanthus emblica</i>	It is medhya nurturing for the mind and enhancing coordination among dhi (acquisition), dhriti (retention), and smriti (recall). It helps sharpen the intellect and mental functioning. It supports the nervous system and strengthens the senses.
2.	<i>Cinnamomum verum</i>	The researchers found that increased ingestion of cinnamon dramatically improved the memory of poor-learning mice.
3.	<i>Aloe vera</i>	A study published in <i>Nutritional Neuroscience</i> found that <i>Aloe vera</i> reduced depression and improved memory in mice.
4.	<i>Sesamum indicum</i>	Massaging your head with warm Sesame oil stimulates hair growth, controls dandruff, nourishes the scalp.
5.	<i>Prunus dulcis</i>	It have been proven to enhance brain functions, memory power and cognitive performance.



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 Dist. - 507 507, Talangudi



6.	<i>Cocos nucifera</i>	Uses of coconut oil is as a potential treatment for dementia and Alzheimer's disease.
7.	<i>Santalum album</i>	Sandalwood oil has been noted for its ability to boost your memory and support concentration, thereby reducing anxiety and stress
8.	<i>Eclipta prostrata</i>	Bhringraj oil helps in maintaining the natural colour of your hair.
9.	<i>Rosmarinus officinalis</i>	It stimulates cell division and dilates blood vessels and, in turn, stimulates hair into producing new hair growth.

#### LITERATURE REVIEW:

1. Mani Vasudevan and Milind Parle (2007) study was aimed at investigating the effects of Anwala churna (*Emblica officinalis* Gaertn.), an Ayurvedic preparation on memory. <sup>[1]</sup>
2. Khushbu k. Modi et al (2016) Cinnamon Converts Poor Learning Mice to Good Learners: Implications for Memory Improvement. <sup>[2]</sup>
3. Sumita Halder et al (2013) *Aloe vera* improves memory and reduces depression in mice. <sup>[3]</sup>
4. Shijna Kappally et al (2015) COCONUT OIL – A REVIEW OF POTENTIAL APPLICATIONS. In the neurological disorder Alzheimer's disease (AD), memory loss and cognitive decline occurs because of death of brain cells. <sup>[4]</sup>
5. Zheng Feng et al (2004) Long term effects of melatonin or 17 $\beta$ -estradiol on improving spatial memory performance in cognitively impaired, ovariectomized adult rats. OVX Sprague-Dawley rats received daily injections of melatonin (5, 10 and 20 mg/kg) or 17 $\beta$ -estradiol (E2, 80 $\mu$ wk. g/kg) or sesame oil for 16 wk. Morris water maze results showed that ovarian steroid deprivation resulted in spatial memory impairment, while



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## OBJECTIVE:

- Selection and Authentication of plant ingredients by the Botanist.
- Collection of the ingredients.
- To prepare the formulation using the ingredients.
- To perform toxicity studies in animals.
- To study drug efficacy of formulated hair nourishment oil for nootropic action and hair growth on healthy human volunteers.

## STUDY DESIGN:

Single, blind, placebo, controlled, parallel, and randomized phase-I clinical study.

**STUDY SITE:** BHARAT INSTITUTE OF TECHNOLOGY .

**STUDY PERIOD:** The study is proposed to be conducted for 6 months.

**STUDY POPULATION:** Around 30 healthy human volunteers for 15 days and follow up.

**ETHICS:** The study is to be conducted as per ethical guidelines.

**APPLICATION:** As a hair oil.

**PREPARATION OF MEDICATED OINTMENT:**

**FORMULATION:**

Botanical Name	Common Name	Family	Part used	For 100 ml
<i>Phyllanthus emblica</i>	Amla, Indian gooseberry.	Phyllanthaceae	Powder from the fruits.	40%
<i>Cinnamomum verum</i>	Cinnamon	Laurels	Powder from the bark.	20%
<i>Aloe vera</i>	Indian Aloe	Asphodelaceae	Gel from the leaves.	40%
<i>Sesamum indicum</i>	Sesame	Pedaliaceae	Oil from the seeds.	30%



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melatonin and E2 significantly ameliorated spatial memory deficits in OVX rats. These findings demonstrate the important effects of melatonin and E2 on cholinergic neurons and support the potential application of melatonin in the treatment of dementia in postmenopausal women. [5]

6. Zehra Batool et al (2016) Repeated administration of almonds increases brain acetylcholine levels and enhances memory function in healthy rats while attenuates memory deficits in animal model of amnesia. [6]
7. Songhee Jeon et al (2011) A modified formulation of Chinese traditional medicine improves memory impairment and reduces A $\beta$  level in the Tg-APPswe/PS1dE9 mouse model of Alzheimer's disease. [7]
8. R. K. Roy et al (2008) Hair growth promoting activity of *Eclipta alba* in male albino rats. [8]
9. Panahi Y et al (2015) Rosemary oil vs minoxidil 2% for the treatment of androgenetic alopecia: a randomized comparative trial. The present study aimed to investigate the clinical efficacy of rosemary oil in the treatment of androgenetic alopecia (AGA) and compare its effects with minoxidil 2%. Patients with AGA were randomly assigned to rosemary oil (n = 50) or minoxidil 2% (n = 50) for a period of 6 months. In contrast, both groups experienced a significant increase in hair count at the 6-month endpoint compared with the baseline and 3-month endpoint (P < .05). [9]

#### NEED FOR STUDY:

The word "Nootropic" comes from the Greek for "to bend or shape the mind." The formulated hair oil is used to enhance memory, concentration and as well as for the hair growth. The effect of the formulated hair oil is good on the hair and memory.

The formulation has a beneficial effect on the human volunteers. It is also used as a preventive theory for Alzheimer's disease and Dementia.

#### PATIENTS AND METHODS:

AIM: - To perform "A Prospective Clinical Study to Evaluate the Efficacy of Nootropic Hair Nourishment Oil."



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<i>Prunus dulcis</i>	Almond	Rosaceae	Oil from the fruits.	20%
<i>Cocos nucifera</i>	Coconut	Arecaceae	Oil from the fruits.	40%
<i>Santalum album</i>	Sandal wood	Santalaceae	Powder from the bark.	10%
<i>Eclipta prostrata</i>	Bhringraj	Asteraceae	Powder of the flower.	30%
<i>Rosmarinus officinalis</i>	Rosemary	Lamiaceae	Powder of the leaves.	10%

### PREPARATION OF HERBAL HAIR OIL:

- Initially the drugs which are to be powdered are dried in the shade so that there will be no loss of the active metabolites for 48 hours.
- Then the drugs are powdered and passed through sieve number 100 to make it a fine powder of the drugs.
- The oil of all the other drugs is mixed together to form oil base.
- The powdered drugs are then added to the oily base to form a uniform mixture and heated on a water bath.
- Now allow the mixture to settle for 2 days and then again heat it on water bath.
- Sonication process is carried out after heating.
- Centrifugation is performed after this and the supernatant oil is collected after centrifugation.
- Transfer the formulated oil into a suitable container.

### TOXICITY STUDIES:

The prepared formulation is assessed for primary skin irritation test. Six healthy rats were selected for the study. Each rat was caged individually food and water given during the test period 24 hrs prior to the test. The hair from the back of each rat of 1cm<sup>2</sup> was shaved on the side of the spine to expose sufficiently large test areas, which could accommodate three test sites



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Principal  
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were cleaned with surgical spirit. Measured quantity (1ml) (5% w/w) of the formulations OD1, OD2 and OD3 were applied over the respective test sites on one side of the spine and observed for erythema and edema for 48hrs after application.

#### **INCLUSION CRITERIA:**

- Study subjects should be > 18 years.
- Healthy human volunteers either male or female.
- Subjects who are willing to participate and signing informed consent form.
- Subjects who are not on any other memory enhancement therapy.
- Subjects who are ready to not to take any other medication during the course of the study unless there is serious illness or in case of emergency.

#### **EXCLUSION CRITERIA:**

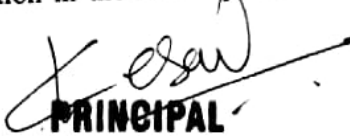
- Subjects below 18 years of age.
- Unhealthy human volunteers.
- Patients suffering from psychological problems.
- Subjects who are not willing to participate and not signing informed consent form.
- Pregnant women and lactating mother.
- Subjects who for at least 1 week prior to study have used any drugs, alcohol or indulge in smoking.

#### **EVALUATION PROCEDURE**

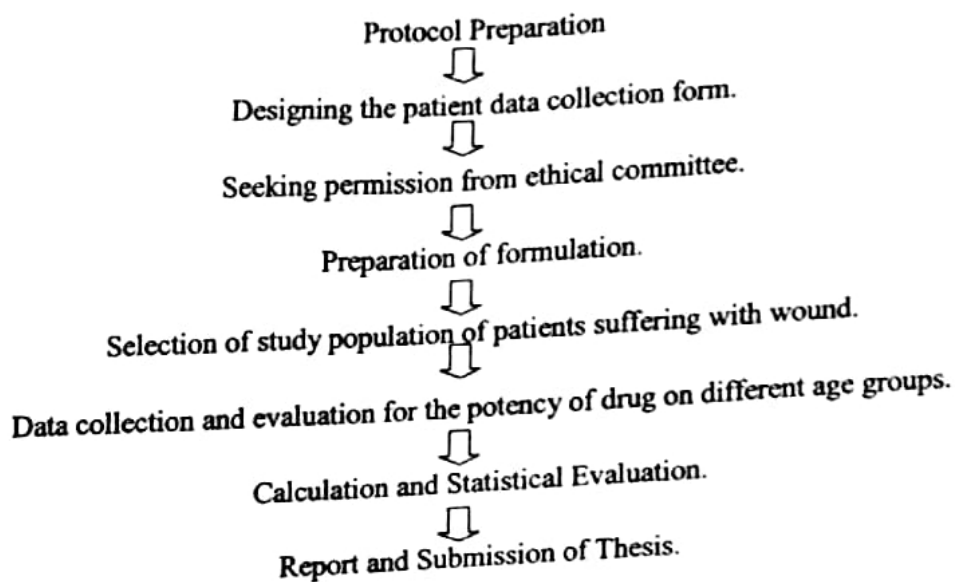
##### **Tools Used**

- Patient proforma is designed in such a way in order to obtain information regarding the clinical efficacy of formulated HERBAL HAIR OIL.
- The Questionnaire is used to evaluate the people.
- Data of test drug will be analyzed for its enhancement action in the memory and hair growth.



  
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## PLAN OF WORK



## REFERENCE:

1. Mani Vasudevan and Milind Parle, Memory enhancing activity of Anwala churna (*Emblica officinalis* Gaertn.): An Ayurvedic preparation, Science Direct, 2007, 91, 46-54.
2. Khushbu K. Modi, Suresh B. Rangasamy, Sridevi Dasarathi, Avik Roy, Kalipada Pan, Cinnamon Converts Poor Learning Mice to Good Learners: Implications for Memory Improvement, Journal of Neuroimmune Pharmacology, 2016, 11, 693-707.
3. Sumita Halder, Ashish k. Mehta, Pramod k. Mediratta, *Aloe vera* improves memory and reduces depression in mice, Nutritional Neuroscience, 2013, 16, 250-254.
4. Shijna Kappally, Arun Shirwaikar and Annie Shirwaikar, COCONUT OIL – A REVIEW OF POTENTIAL APPLICATIONS, Journal of Drugs and Medicines, 2015, 7, 149.



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5. Zheng Feng, Yong Cheng, Jun-tian Zhang, Long-term effects of melatonin on 17 $\beta$  Estradiol on improving spatial memory performance in cognitively impaired, ovariectomized adult rats, *Journal of Pineal Research*, 2004, **37**, 198-206.
6. Zehra Batool, Sadia Sadir, Laraib Liaquat, Saiqa Tabassum, Syeda Madiha, Sahar Rafiq, Sumayya Tariq, Tuba Sharf Batool, Sadia Saleem, Fizza Naqvi, Tahira Perveen, Saudah alder, Repeated administration of almonds increases brain acetylcholine levels and enhances memory function in healthy rats while attenuates memory deficits in animal model of amnesia, *Brain Research Bulletin*, 2016, **120**, 63-74.
7. Songhee Jeon, Shambhunath Bose, Jinyoung Hur, Kiyoung Jun, Young-Kyoon Kim, Kyoung Sang Cho, Byung-Soo Koo, A modified formulation of Chinese traditional medicine improves memory impairment and reduces A $\beta$  level in the Tg-APP<sup>sw</sup>/PS1dE9 mouse model of Alzheimer's disease, *Journal of Ethnopharmacology*, 2011, **137**, 783-789.
8. R. K. Roy, Mayank Thakur, V. K. Dixit, Hair growth promoting activity of *Eclipta alba* in male albino rats, *Archives of Dermatological Research*, 2008, **300**, 357-364.
9. Panahi Y, Taghizadeh M, Marzony ET, Sahebkar A, Rosemary oil vs minoxidil 2% for the treatment of androgenetic alopecia: a randomized comparative trial, *Europe PMC Plus*, 2015, **1**, 15-21.



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