



Dr. N.G.P. ARTS AND SCIENCE COLLEGE

An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore
Approved by Government of Tamil Nadu & Accredited by NAAC with A++ Grade (3rd Cycle – 3.64CGPA)
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Department of Microbiology

Activates and Achievements - AY 2022-23

1. Guest Lecture/Invited Lecture

S. No.	Date	Name and Designation of e Resource Person	Topic	Venue	Beneficiary
1	29-Mar-23	Dr. M. Gnanadesigan Assistant Professor, Department of Microbial Biotechnology, Bharathiar University, Coimbatore	Strategies on Malarial Drug development	Seminar Hall CI	Staff and Students of Microbiology Department
2	28-Mar-23	Dr. A. Arun Professor & Head, Director – Science Campus, Department of Microbiology, Alagappa University, Karaikudi	Endowment Lecture on Possibilities for Developing Hydrogen Valley in India	Seminar Hall II, C1 Block	All students and staff members of Microbiology
3	15-Mar-23	Dr. M. Mekala Director, Micro biotek, B. R. Puram, Coimbatore	Promoting Entrepreneurship in Science Education	Seminar Hall II, C1 Block	Students from the Faculty of Bio Science
4	23-Jan-23	Dr. Jibu Thomas Professor and Head, Department of Biotechnology, Karunya Institute of Technology and Sciences, Coimbatore	Algal Biotechnology	Seminar Hall C1	Staff and Students of Microbiology Department

5	5-Nov-22	V. Malarvizhi Assistant Professor Revathi College of Nursing and Paramedical Science, Avinashi	Microbiologists in Paramedicals or Paramedics	Google Meet	Students from the Department of Microbiology
6	28-Oct-22	Dr. S. Saravanan Professor & Dean Admin, Dr. N.G.P. Arts and Science College, Coimbatore	Application of Parametric Tests in Biological Research	B1-1311	All staff members of the Faculty of Life Sciences
7	15-Oct-22	P. Puvanesan Chief Clinical Microbiologist Sri Kumaran Hospital Coimbatore	Scope of Medical Microbiology	Google Meet	Students from the Department of Microbiology
8	21-Sep-22	Dr. D. Padmanabhan Dhanajeevam Life Sciences, PSG-STEP, Coimbatore	BIOPRENEUR – A Prospective Career guidance from Cell to Sell	Seminar Hall I	Students and faculty from the Faculty of Biosciences
9	22-Aug-22	Dr. R. T. Rajendra Kumar Professor, Department of Nanoscience and Technology, Bharathiar University, Coimbatore.	Nanobiosensors	Seminar Hall I	All Microbiology Students
10	2-Jul-22	Dr. Yogesh Souche, Emeritus Scientist, NCCS, Pune	Translating Science to Business: Gut Microbiota	Avvai Arangam	Students and staff of Bioscience

2. Seminar / Workshop Conferences organized

S.No	Date	Nature of the Event	Number of External Participants	Title of the Event	Name & Designation of the Speakers
1	28-Feb-23	National Conference		Interdisciplinary Approaches on Dynamics of Bioscience Research (IADBR - 2023)	<p>1. Dr. P. Nallathambi Principal Scientist and Head of Station, ICAR - Indian Agricultural Research Institute</p> <p>2. Dr. Adarsha Gowda Assistant Professor & Head, Department of Food Science, St. Aloysius College, Mangaluru</p> <p>3. Dr. R. Kumar Scientist G and Associate Director, DFRL, DRDO, Mysore</p> <p>4. Prof. Dr. A. Aun Head, Director-Science Campus, Department of Microbiology, Alagappa University, Karaikudi</p> <p>5. Prof. R. Ramraj Professor of Eminence & DAE, Raja Ramanna Fellow, Former Head of the Physical Chemistry, Madurai Kamaraj Univeristy, Madurai</p> <p>6. Prof. Ganesh Nagaraju Department of Biochemistry, Indian Institute of Science, Bangalore</p>
2	28-Feb-23	Endowment Lecture	50	Possibilities for Developing Hydrogen Valley in India	<p>Dr. A. Arun Professor & Head, Director – Science Campus, Department of Microbiology, Alagappa University, Karaikudi</p>

3	9-Mar-23 to 10-Mar-23	XIV Louis Pasteur International Symposium	31	<p>Role of Multidisciplinary Research in Microbiology for Sustainable Development (RMSD- 2023)</p>	<p>1. Dr. Dinesh Dhurvas Chandrasekaran Scientist, The Boura Lab / Structural Biology – Virology, Department of Molecular Biology and Biochemistry, Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences Prague, Czech Republic / Czechia (CZ)</p> <p>2. Dr. M. Saravanan Professor, AMR and Nanotechnology Lab, Department of Pharmacology, Saveetha Dental College, Saveetha Institute of Medical and Technical Sciences, Chennai</p> <p>3. Dr. R. Kaushik, Assistant Professor, Department of Microbiology, Central University of Tamil Nadu, Thiruvavur</p> <p>4. Dr. M. Karthikeyan, Assistant Professor & DST – SERB TARE Fellow, Coordinator – Microbiology Programme, Department of Zoology and Microbiology, Thiagarajar College, Madurai</p> <p>5. K. Prakash Shyam, Research Scientist, Head, Research & Development, VVD & Sons Pvt Ltd, Tuticorin</p> <p>6. Dr. D. Thirumurugan Assistant Professor, Department of Biotechnology, SRM University, Chennai</p>
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4	20-Jan-23	Faculty Development Programme	-	Production of Chicken IgY antibodies	Dr. R. Mahenthiran, Assistant Professor, Department of Microbiology, Dr. N.G.P. Arts and Science College
5	11-Nov-22	Faculty Development Programme	-	Life Style in Autoimmunity	Dr. J. Rengaramanujam, Professor and Head, Department of Microbiology, Dr. N.G.P. Arts and Science College
6	28-Oct-22	Workshop	-	Student Development Programme on Stereo and Inverted Microscope	Students of Microbiology
7	28-Oct-22	Faculty Development Programme	-	Applications of Parametric Tests in Biological Research	Dr. S. Saravanan, Professor and Dean Admin, Dr. N.G.P. Arts and Science College
8	13-Oct-22 & 15-Oct-22	Workshop - Knowledge Exchange Programme	-	Natural Compounds Extraction and Antimicrobial Studies and Natural Dying and Printing Process	1. Dr. S. Senthil Prabhu, Associate Professor, Dept. of Microbiology, Dr. N.G.P. Arts and Science College 2. Prof. G. Malarvishi, Assistant Professor, Dept. of Costume Design and Fashion, Dr. N.G.P. Arts and Science College
9	23-Sep-22	Workshop	-	Column Chromatography Techniques	1. Dr. A.M. Ramachandran, Associate Professor 2. Dr. J. Devakumar, Assistant Professor Dr. N.G.P. Arts and Science College
10	23-Jun-22 to 25-Jun-22	Faculty Development Programme	-	Role of Interdisciplinary Research in Teacher Quality Enrichment for	1. Dr. J. Prakash Maran Associate Professor Department of Food Science and Nutrition Periyar University, Salem

				Quality Tertiary Education	<p>2. Dr. S. Kaliamoorthy Scientist-E, Botanical Survey of India Southern Regional Centre National Orchidarium & Experimental Garden Yercaud</p> <p>3. Dr. M. A. Shibu, Ramalingaswami Re-entry fellow, Department of Biotechnology, Bharathiar University, Coimbatore</p> <p>4. Dr. G. Sridevi Assistant Professor Department of Plant Biotechnology School of Biotechnology Madurai Kamaraj University, Madurai</p>
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3. Special Day Observations

S.No	Date	Day Observed	Event Organized	Guest / Venue
1	24-Mar-23	World TB Day – 2023	Interdepartmental Competition (oral/poster)	UG lab
2	30-Jan-23	World Leprosy Day	Intradepartmental Quiz competition	UG lab
3	14-Nov-22	World Pneumonia Day	Intradepartmental Competition on Impact of Pneumonia	UG laboratory, Department of Microbiology
4	27-Aug-22	World Mosquito Day	Extension Activity - Awareness on "Mosquito Borne Disease" (On observation of World Mosquito Day)	Nellithurai village
5	2-Jul-22	World Microbiome Day Special Lecture	Guest Lecture on Translating Science to Business: Gut Microbiota	Dr. Yogesh Souche, Emeritus Scientist, NCCS, Pune

4. Inter Departmental Activities

S.No	Date	Event / Programme	Topic
1	14-Nov-22	Intradepartmental Competition on oral and poster presentation	Themes on observing World Pneumonia Day
2	08-Oct-22	Intradepartmental competition	Bioprospecting of Microbes

5. Extension Activities

S. No	Date	Nature of e extension		Students involved
1	29-Oct-22	Role of Probiotics in Human Health	Padhuvampalli Village	I M. Sc., Microbiology
2	27-Aug-22	Awareness on "Mosquito Borne Disease" (On observation of World Mosquito Day)	Nellithurai village	Students of Microbiology

6. Staff Awards

S. No.	Name of the Staff	Name of the Award	Awarded by	Cash	Date
1	Dr. R. Mahenthiran	Best Oral Presentation Award	Department of Biotechnology, SRM University, Chennai.	₹ 1500	29 & 30-Mar-23
2	Dr. S. Senthil Prabhu	Fellowship Award	Indian Association of Applied Microbiologists	--	28-Jan-23
3	Dr. J. Devakumar	Young Researcher Award 2022	Institute of Researchers, Wayanad, Kerala	--	22-Jun-22
4	Dr. R. Mahenthiran	Young Researcher Award 2022	Institute of Researchers, Wayanad, Kerala	--	22-Jun-22

7. Staff Recognition

S. No.	Date	Name of the Staff	Nature of Recognition	Recognized by
1	30-Jun-22	Dr. J. Rengaramanujam	BoS Member	RVS College of Arts and Science Coimbatore
2	22-Jun-22	Dr. R. Mahenthiran	Life Member	Institute of Researchers, Wayanad, Kerala
3	22-Jul-22	Dr. N. Vidhya	University Nominee in BoS	CMS College of Science and Commerce
4	28-Jan-23	Dr. S S Sudha	Session Chair and Judge	18th International conference on "Converging microbiological innovation for application in animal,

				plant, environment and health care”, Manonmaniam Sundaranar University, Department of Animal Science and Indian Association of Applied Microbiologists (IAAM)
5	2022	Dr. S S Sudha	VC Nominee BoS	Vivekanandha College of Arts and Science College, Tiruchengode
6	2022	Dr. S S Sudha	BoS Subject expert	Hindustan College of Arts and Science
7	28-Jun-22	Dr. S. Karthik Sundaram	DC Committee Member	Hindustan College of Arts and Science

8. Staff Participation

S. No.	Date	Name of e Faculty	Name of e Workshop/FDP/Training Programme	College
1	4-Mar-23	Dr. J. Regaramanujam Dr. N. Vidhya Dr. S.S. Sudha Dr. S. Senthil Prabhu Dr. A.M. Ramachandran Dr. S. Karthik Sundaram Mrs. C. Sasikala Dr. R. Mahenthiran Dr. J. Devakumar M. Nivethitha	One day workshop on Outcome based Education	Dr. NGPASC in association with IPSR solutions Ltd
2	9-Feb-23	Dr. S.S. Sudha	Two days NAAC Sponsored National Seminar on “Emerging Trends in Higher Education- Insights, Challenges and Opportunities”	Sri Ramakrishna College of Arts and Science College.
3	9-Feb-23 to 10-Feb-23	Dr. J. Devakumar	Workshop on " Techniques and Tools in Computer Aided Drug Design"	Department of Bioinformatics, Nirmala college for Women, Coimbatore
4	10-Feb-23	Dr. S. Karthik Sundaram	Workshop on Recent Advances and Challenges in Genome Editing Technology for Crop Improvement and Future Agriculture sponsored by the Science and	ICAR – Sugarcane Breeding Institute,

			Engineering Board (SERB) Department of Science and Technology, New Delhi	
5	27-Jan-23 to 28-Jan-23	Dr. S. Senthil Prabhu Dr. S.S. Sudha	18th International conference on “Converging microbiological innovation for application in animal, plant, environment and health care” (ICCMIA-2023)	Manonmaniam Sundaranar University organized in association with Indian Association of Applied Microbiologists (IAAM)
6	7-Feb-23 to 15-Feb-23	Dr. J. Devakumar Dr. S. Karthik Sundaram Dr. A. M. Ramachandran	Seven Days National Level FDP on "Teaching and Learning Process in HEIs"	IOT Academy
7	21-Dec-22 to 31-Dec-22	Dr. A.M. Ramachandran Dr. S.S. Sudha Dr. J. Devakumar	UGC Approved Short Term online Professional Development Programme Under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching	Indira Gandhi National Open University, Staff Training and Research Institute of Distance Education, New Delhi.
8	23-Jun-22 to 25-Jun-22	Dr. J. Regaramanujam Dr. N. Vidhya Dr. D. Geetharamani Dr. S.S. Sudha Dr. S. Senthil Prabhu Dr. A.M. Ramachandran Dr. S. Karthik Sundaram Mrs. C. Sasikala Dr. R. Mahenthiran Dr. J. Devakumar M. Nivethitha	Three Day Faculty Development Programme on Role of Interdisciplinary Research in Teacher Quality Enrichment for Quality Tertiary Education	Dr. N.G.P. Arts and Science College

9. Staff Presentation

S.No	Date	Name of e Staff	Name of the Conference	Name of the title	College
1	28-Jan-23	Dr.S.Senthil Prabhu	18th International Conference on Converging Microbiological Innovation in Application in Animal, Plant, Environment and Health Care(ICCMA 2023)	Cytotoxic Activity of Lichens collected from Western Ghats, Tamil Nadu India	IAAM & Department of Animal Science, Manonmaniam Sundaranar University, Thirunelveli
2		Dr. R. Mahenthiran	International Conference on Emerging concepts in Biotechnological Innovations	Invitro and Invivo evaluation of chicken egg yolk antibodies against Bovine Mastitis causing <i>S.aureus</i> and <i>E.coli</i>	SRM University, Kattankulathur, Chennai

10. Student Presentation

S.No	Date	Name of the Student	Event	Title	College
1	14-Nov-22	Kavin	Intradepartmental Competition on Impact of Pneumonia	Impact of pneumonia	Dr. N.G.P. Arts and Science College
2		Vidhya Sri		Causative agents of pneumonia	
3		Shashikamala		Pneumonia and its effects	
4		Pradeesha Ravi		Pneumonia	
5	10-Sep-22	P. Abhijit	Interdepartmental Meet "MATHFEST 2022"	Mathematic Tools in Bioinformatics and Biological System	Dr. N.G.P. Arts and Science College
6		L. Vijaykumar		Mathematical Solutions in Biological World	

7	17-Feb-23	Archana R.P	National Conference on Biological Research and Innovations in Food, Agriculture, Health & Environment	Development of Medical Textiles using Chitosan Nanoparticles	Karpagam Academy of Higher Education
8		Anieth Noel. A		Development of Medical Textiles using Chitosan Nanoparticles	
9		Santhiya .R		Innovative Drying Technologies for Biopharmaceuticals	
10		Vijaykumar. L		Augmenting the health of oral Microbiota with the aid of microbes	
11		Varssha. K		Innovative Drying Technologies for Biopharmaceuticals	
12		Puja.R		Lemon and Aloe vera hairmask formulation against M.globosa.	
13	17-Feb-23	Abhijit.P Abishek .P	International Conference on “Sustainability Science - A Global Perspective”	Development of Antimicrobial Compounds from Rhizosphere soil	Hindusthan College of Arts and Science
14		Nadhin S.P		Antimicrobial resistance and its prevalence in India	
15		Miriam Elizabeth M A Rashmika B		Development of Natural Fabric Softener	
16		Sugitha B		Antimicrobial resistance and its prevalence in India	
17		Kavi Dharshini N Mirdula S		Enrichment of Punica granatum Juice using Lactic Acid Bacteria and to	
18		Sowbagya B Sangavi S		Development of Plant Based Ointment using Plant Extracts against Wound	

19	14-Nov-22	Kavin	Intradepartmental Competition on Impact of Pneumonia	Impact of pneumonia	Dr. N.G.P. Arts and Science College, Coimbatore
20		Vidhya Sri		Causative agents of pneumonia	
21		Shashikamala		Pneumonia and its effects	
22		Pradeesha Ravi		Pneumonia	
23	10-Sep-22	P. Abhijit	Interdepartmental Meet "MATHFEST 2022"	Mathematic Tools in Bioinformatics and Biological System	Dr. N.G.P. Arts and Science College, Coimbatore
24		L. Vijaykumar		Mathematical Solutions in Biological World	

11. Staff Publications

S.No	Name of the Faculty	Title	Journal Name	ISSN / ISBN No. Date of publishing Vol. No	Impact Factor	SCI/WoS/ UGC/ SSCI/ Scopus
1	Dr. C. Sasikala	Cultivation of Oyster Mushroom- Pleurotus ostreatus using Fruit Peel	Journal of Emerging Technologies and Innovative Research	2349-5162, Sep, 2022, 9(9)	7.87	Google Scholar
2	Dr. J. Rengaramanujam	Casting hydrophilic polymers blended polycaprolactone membranes for drug delivery to eradicate the cancer cells and pathogenic microorganisms	Polymer advanced Technologies	15-12-22, 1-14	3.665	Web of Science
3	Dr. Senthil Prabhu S	In silico Screening of Lichen Compounds against SARS-COV-2 RdRp Complex	Indian Journal of Natural Sciences	0976 – 0997, 6/1/2022, Vol.13 / Issue 72	2.4	Web of Science
4	Dr. Senthil Prabhu S	Free Radical Scavenging Properties of Coleus in Silico Screening of Potential Drug (Phytochemicals) Against	Indo American Journal of Pharmaceutical Sciences	2349-7750, 2022, 09 (10), 69-79	7.381	Google scholar

		Interleukin-6 The Key Protein Involved in Metastasis				
5	Dr A M Ramachandran	Topical Gel Formulation from Cassia Auriculata Flower and Aloe Vera Leaf Extract Against Skin Infection Causing Bacteria and Staphylococcus Aureus Caused Wound Scar	World Journal of Pharmaceutical and Life Sciences WJPLS	2454-2229, 2022, Vol. 8, Issue 11	6.129	UGC
6	Dr. S. Karthik Sundaram	Iron oxide nanoparticles and agricultural wastes used in enhancing the bioremediation and clarification procedures in textile effluent treatment	Sustainability, Agri, Food and Environmental Research	0719-3726, 11(X), 2023		Google scholar
7	Dr. S. Karthik Sundaram	Biological Hydrogen Production by Bacteria Using Pineapple Peel	Journal of Emerging Technologies and Innovative Research	23495162		Google Scholar
8	Dr. S. Karthik Sundaram	Production of Bio Ethanol from – Pineapple Peel and Determination of Effective Hydrolysis Method	Journal of Emerging Technologies and Innovative Research	23495162, Sep 2022, 9(9)	7.87	Google scholar
9	M. Nivethitha	Formulation of Handsanitizer using Glycyrrhiza Glabra with Aloe Vera and Castor Oil Against Skin Pathogens	World Journal of Pharmacy and Pharmaceutical Sciences	2278 – 4357, Jan 2023, 12(2)	7.632	Scopus
10	Dr. C. Sasikala	Bioethanol Production using Green Waste	World Journal of Pharmacy and Pharmaceutical sciences	2278 – 4357,12(4), 1437-1450, 02.03.2023	7.632	Google scholar
11	M. Nivethitha	Review - In vitro Evaluation of the Antibacterial and Antifungal effect of <i>Zingiber officinale</i> Mouthwash against Pericoronitis Disease	International Journal of Creative Research Thoughts (IJCRT)	2320-2880, Apr-23, 11(4)	7.67	Google scholar
12	Dr. J. Devakumar	Review - In vitro Evaluation of the Antibacterial and Antifungal effect	International Journal of Creative Research Thoughts (IJCRT)	2320-2880, Apr-23, 11(4)	7.67	Google Scholar

		of <i>Zingiber officinale</i> Mouthwash against Pericoronitis Disease				
13	Dr. S. Karthik Sundaram	Biodegradation of Plastic Waste Using Combinatorial Approaches	International Journal of All Research Education and Scientific Methods	2455-6211, Mar-23, 11(3)	7.429	Google Scholar
14	Dr. J. Rengaramanujam	Extraction of Polymer from bacteria and fungi and its characterization	International Journal of Creative Research Thoughts (IJCRT)	2320-2882, Sep-22, 10(9)	7.67	Google scholar
15	Dr. R. Mahenthiran	Enumeration of Microbes from Biofertilizer and Chemical Fertilizer Used Soil	IOSR Journal of Pharmacy and Biological Sciences	2278-3008, Jan-Feb, 2023, 18(1)	6.83	Scopus
16	Dr. R. Mahenthiran	An Overview of Herbal plants in Respiratory Disease Treatment	World Journal of Pharmacy and Pharmaceutical sciences	2277-7105, 23-Jan-23, 12(3)	7.632	Google scholar
17	Dr. S.S. Sudha	In vivo Assessment of Toxicity and Histopathological studies of bacteriocin in Wistar albino rats	In vivo Assessment of Toxicity and Histopathological studies of bacteriocin in Wistar albino rats	2278-3008, Nov-Dec, 2022, 17(6)	6.83	Web of Science
18	Dr. S.S. Sudha	Purification and Characterization of Antibacterial Bacteriocin Isolated from Hospital Acquired Multi Drug Resistant <i>Staphylococcus aureus</i>	Uttar Pradesh Journal of Zoology	0256-971X, 43(24), 26-Dec-22	2.394	UGC
19	Dr. J. Rengaramanujam	In vitro Antimicrobial efficacy of <i>Pergularia daemia</i> against oral pathogen	GRADIVA Review Journal	0363-8057, 2023, 9(3)	6.3	Scopus and UGC care

12. Research Funding

Name of the Faculty	Name of the project / scheme	Sanction No. & Date	Funding body	Amount
Dr. R. Mahenthiran	Isolation and Characterization of bifidobacterium species from dairy products against gastro intestinal infection causing pathogens	MS - 0152	TNSCST	₹ 7500

13. Students Participation

S.No	Date	Name of the Students	Event	College	Inter Collegiate / Inter Departmental	Prize
1	17-Feb-23	Narmatha R Thirisha .Y Oviya K Rubavani E P	Poster at National Conference on Biological Research & Innovations in Food	KarpagamAcademy of Higher Education	Inter Collegiate	III
2	17-Feb-23	Preethi B Shafana Parveen	Poster at National Conference on Biological Research & Innovations in Food	KarpagamAcademy of Higher Education	Inter Collegiate	I
3	14-Nov-22	M. Sashikamala	Oral presentation at the Intradepartmental Competition on Impact of Pneumonia	Dr. N.G.P. Arts and Science College	Inter Departmental	I
4		N. Vidhyasri				II
5		Pradeesha Ravi				III
6	14-Nov-22	Sujitha P Gokulpriya	Poster presentation at the Intradepartmental Competition on Impact of Pneumonia	Dr. N.G.P. Arts and Science College	Inter Departmental	I
7		Preethi B Shafana Praveen K				II
8		Mythreyan B				III
9	29-Oct-22	L. Manushree Meena	Poster Presentation at Interdepartmental on the eve of International Internet Day	Dr. N.G.P. Arts and Science College, Coimbatore	Inter Departmental	II

10	27-Oct-22	Abishek Nadhin	Bio Idea 22’	Dr. N.G.P. Arts and Science College, Coimbatore	Inter Departmental	I
11		Thirukumaran				II
12	21-Oct-22	Mirdula Sowbagya	Food expo on Traditional Food	Dr. N.G.P. Arts and Science College, Coimbatore	Inter Departmental	II
13	27-Sep-22	Sowbagya	Poster Presentation on Food Safety & Hygiene	Arjuna Natural, Coimbatore	Inter Collegiate	Cash Award ₹ 5000
14	10-Sep-22	P. Abhijit	MATHFEST 2022	Dr. N.G.P. Arts and Science College, Coimbatore	Inter Departmental	II
15	15-Aug-22	S. Jenikeerthana	Azad ki Amrit Mahotsav – Tamil Essay Writing	Dr. N.G.P. Arts and Science College, Coimbatore	Inter Collegiate	II
16		U. Trisha				III
17		S. Monalisa	Azad ki Amrit Mahotsav – Drawing Competition			II
18		R. M. Harshini K. Vinodha	Azad ki Amrit Mahotsav – Quiz			II
19		R. Narmatha				III