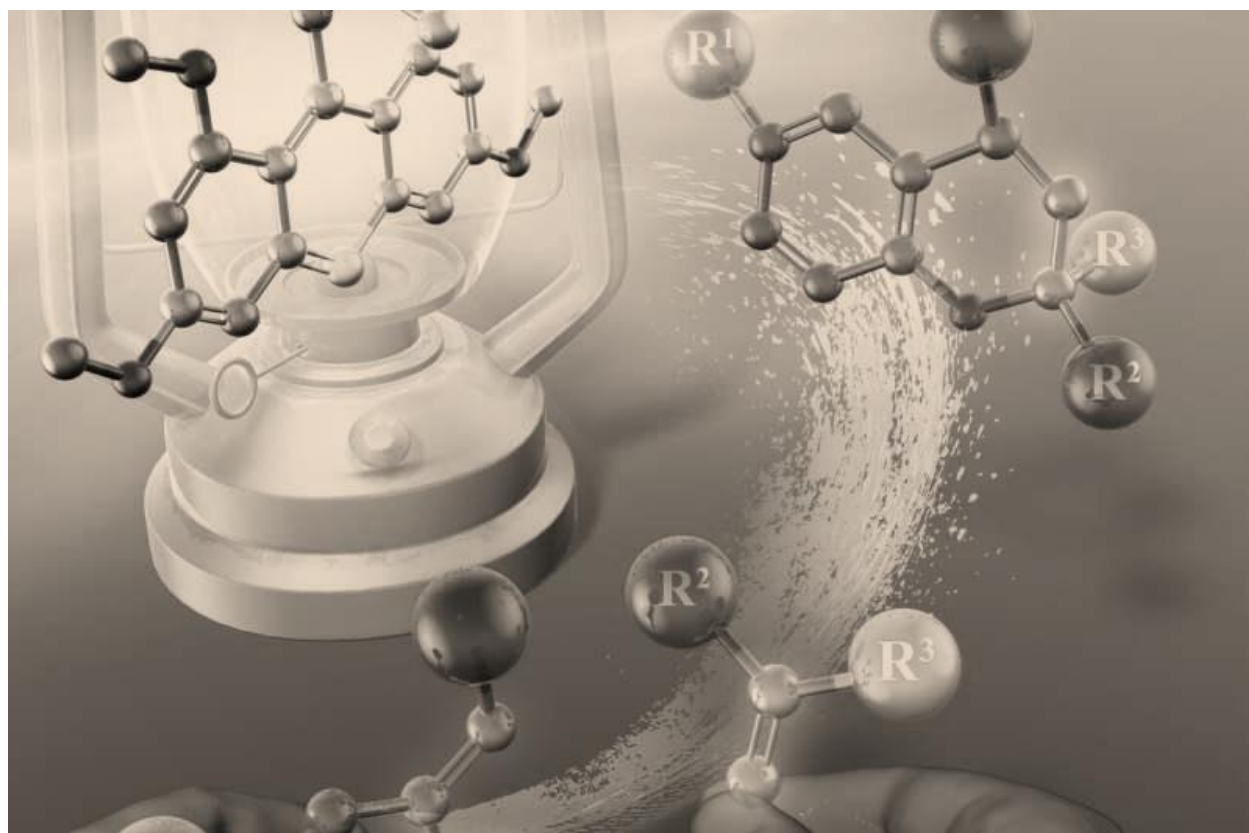


NSS COLLEGE MANJERI



ANNUAL REPORT 2022-23

DEPARTMENT OF CHEMISTRY



MARCH 2023

NSS College Manjeri is an Arts & Science college affiliated to University of Calicut, accredited by NAAC with 'B+' grade and is run by Nair Service Society. NSS College was established in 1965 by the great leader of Nair Service Society, Bharatha Kesari Shri.Mannthu Padmanabhan with the generous help of Shri. P. M. Tirumulpad.

DEPARTMENT OF CHEMISTRY

Objectives

Dissemination of knowledge in the discipline of Chemistry to the science-loving young minds and to guide them towards the higher arena of chemistry for a successful social life

Vision: Chemistry for the well-being of society.

Mission: The Department of Chemistry envisages to

- Produce excellent and dynamic graduates concerned with the sustainability of the environment,
- Advance the principles and practices of chemistry for the betterment of society.
- Promote discipline, learning, and responsibility.
- To cultivate organizational skills through teamwork, collaboration and co-operation

B.Sc. Chemistry main course was commenced in the year 1969 under the headship of Shri. K. Ayyappan Nair with mathematics and physics as subsidiary subjects. The annual intake for B.Sc. Chemistry is 32. The department aims in imparting best education to students along with their personality development by strong interaction between students and teachers. A strong, committed team of teachers with utmost sincerity and reputation leads the academic activities of the department. Faculty members are constantly undertake research projects and actively engaged in frontier research areas of chemistry. A chemistry club is functioning in the department for improve the literary talents, organization skills and public interaction of the students. The club conducts talks and classes in different fields of chemistry and regularly

publishes newsletter, science files and manuscripts. Club also conducts projects and extension works related to chemistry. The old students of the department are well placed in various institutions, industries, Universities and in other reputed firms. The old students association “Carbon” actively involves in the growth and development of the department.

I. Faculty profile

Sl. No.	Name	Designation	Areas of interest	Experience in years	Significant achievements
1	Dr. Sindhu Ramachandran C.V.	HOD & Associate Professor	Synthetic organic chemistry	26	Publications: 4
2	Smt. Smitha M.	Assistant Professor	Polymer Science Polymer Membranes	12	Publication 1
3	Dr. Yamuna K.M.	Assistant Professor	Supramolecular Chemistry, Environmental Chemistry	9	Publications 18 UGC Raman PDF, FLAIR Membership
4	Mr. Vineeth M.	Assistant Professor	Nanomaterials	8	Publications 2
6	Sreelekha T.S.	Adhoc		9	

Lab Assistant: Mrs. Safeera

II. Students' Profile

Third year B.Sc. Chemistry

Sl No	Name	Reg No.	Category	Admission No	Second Language
1	Shamna Sharin P.V.	MNAVSCH001	Open	6324	Arabic
2	Dawlath K.	MNAVSCH002	Open	6287	Hindi
3	Gowry Padmanabhan	MNAVSCH003	Open	6357	Hindi
4	Hanna Raheema K.K.	MNAVSCH004	Open	6336	Hindi
5	Nimisha P.V.	MNAVSCH005	SC		Hindi
6	Noora Rasha K.K.	MNAVSCH006	Open	6388	Hindi
7	Rifana M.K.	MNAVSCH007	Open	6340	Hindi
8	Risvana Minnu P.	MNAVSCH008	Open	6571	Hindi
9	Shemina M.K.	MNAVSCH009	Open	6416	Hindi
10	Abhijith P.	MNAVSCH010	SC	6186	Hindi
11	Akanth K.	MNAVSCH011	Open		Hindi
12	Pranav Krishnan K.	MNAVSCH012	MQ	6408	Hindi

13	Adheena E.	MNAVSCH013	SC	6237	Malayalam
14	Adithya Anand K.	MNAVSCH014	Open	6394	Malayalam
15	Amrutha M.	MNAVSCH015	SC	6204	Malayalam
16	Anjana P.T.	MNAVSCH016	Community	6374	Malayalam
17	Anju C.	MNAVSCH017	Open		Malayalam
18	Archana	MNAVSCH018	Community	6371	Malayalam
19	Ardra Palakkolil	MNAVSCH019	Open	6359	Malayalam
20	Gopika Rajeev A.	MNAVSCH020	Open	6327	Malayalam
21	Jyothika Prakash E.	MNAVSCH022	Community		Malayalam
22	Abhijith V.	MNAVSCH024	Open	6217	Malayalam
23	Nidhin T.V.	MNAVSCH025	MQ		Malayalam
24	Athul Krishna M.K.	MNAVSCH026	Open		Sanskrit
25	Shahana Sherin	MNAVSCH027	Open	6630	Arabic
26	Nandana K.	MNAVSCH028	Open		Hindi
27	Fathima Rasha	MNAVSCH029	Open	6630	Malayalam

Second year B.Sc. Chemistry

SI No	Name	Category	Adm. No	Gender	Second Language
101	Afnida K K	Open	7016	Female	Arabic
102	Burhanudheen K	Open	6943	Male	Arabic
103	Fasil P P	Open	6876	Male	Arabic
104	Fathima Lubna C P	Open	6871	Female	Arabic
105	Fathima Rasna C P	Open	6942	Female	Arabic
106	Mohammed Thufail T	Open	6725	Male	Arabic
107	Muhammed Sanal P K	Open	6927	Male	Arabic
108	Munshida K	Open	6944	Female	Arabic
109	Raniya P	Open	7018	Female	Arabic
110	Sayyid Ibrahim Uwais	Open	6659	Male	Arabic
111	Sayyid Muhammed Nawaz	Open	6658	Male	Arabic
112	Anand A	Open	6633	Male	Hindi
113	Aparna A	Community	6698	Female	Hindi
114	Rinsha T	Open	6739	Female	Hindi
115	Dilfa P	Open	6918	Female	Malayalam
116	Adithya K	Community	6925	Female	Malayalam
117	Agasthya C	Open	7034	Female	Malayalam
118	Aiswarya K	Sc	6702	Female	Malayalam
119	Ajay N	Sc	6989	Male	Malayalam
120	Akhila Vinod	Community	6681	Female	Malayalam
121	Akshay N	St	6990	Male	Malayalam
122	Anjana Kc	Sc	6901	Female	Malayalam
123	Arya A	Sc	6704	Female	Malayalam
124	Hidha Mol K	Open	6874	Female	Malayalam
125	Jisna A	Open	6671	Female	Malayalam
126	Sandra Nalin T V	Sc	6660	Female	Malayalam
127	Sidharth K	Sc	6602	Male	Malayalam
128	Sisira V	Management	6959	Female	Malayalam
129	Vismaya T	Community	7040	Female	Malayalam
130	Ajisha V T	Open	6998	Female	Sanskrit
131	Daya K	St	7002	Female	Sanskrit
132	Gowri P B	Management	7026	Female	Sanskrit

Result and Progression 2019-22 Batch

Reg No.	Name	Mark %	Progression	Institute
MNATSCH001	Aysha Beegam	84	B.Ed.	Moulana College of Teacher Education, Tirur
MNATSCH003	Rifna K.	70	Preparing for UPSC exam	
MNATSCH004	Devikrishna K.R.	91	M.Sc. Chemistry	ZGC, Kozhikkod
MNATSCH005	Libi M.J.	85	M.Sc. Chemistry	Mercy College Palakkad
MNATSCH006	Varsha C.K.	78	Preparation for IIT JAM	
MNATSCH007	Ajith V.	66	Diploma in Cyber Security	
MNATSCH008	Akshara O.M.	89	M.Sc. Chemistry	IIT Mandi, Himachal Pradesh
MNATSCH009	Aliya P.	96	M.Sc. Chemistry	Farook College, Kozhikkode
MNATSCH010	Amrutha A.K.	76	B.Sc. MLT	Govt. Medical College, Kozhikkode
MNATSCH012	Aswani T.	74	BHMS	Govt. Homeo Medical College, Kozhikkode
MNATSCH011	Archana P.T.	79	M.Sc. Chemistry	Blossom college, Kondotty
MNATSCH013	Bhagya P.	65	M.Sc. Applied Chemistry	University of Calicut
MNATSCH014	Devika M.Dev		Diploma in Medical coding	Cardea institute, Tirur
MNATSCH015	Fathima Aleena	81	M.Sc. Chemistry	SNDP College, Perinthalmanna
MNATSCH016	Gopika T.	85	LLB	Sree Narayana College, Ernakulam
MNATSCH017	Malavika K.	67	M.Sc. Chemistry	Amrutha University, Mysore
MNATSCH018	Manasa K.		TTC	Govt. Teachers training college, Kottakkal
MNATSCH019	Meenu Krishna K.			
MNATSCH020	Navya P.	78	M.Sc. Chemistry	Carmal College, Thrissur
MNATSCH021	Navya Unni P.		Bank Exam training	Veranda Race Kozhikkode
MNATSCH022	Nivedya N.	76	M.Sc. Chemistry	Christ College,

				Iringalakkuda
MNATSCH023	Reshma V.	76	Preparation for IIT JAM	
MNATSCH024	Shalini K.	82	M.Sc. Chemistry	Sree Gokulam College for Arts and Sciene, Kozhikkod
MNATSCH025	Silpa V.	77	Preparation for IIT JAM	
MNATSCH026	Sreelakshmi S.	79	M.Sc. Chemistry	Sree Gokulam College for Arts and Sciene, Kozhikkod
MNATSCH027	Abin V.K.		Diploma in Logistics & supply chain	IIRDC, Ernakulam
MNATSCH028	Akhil C.	73	Diploma in Medical coding	Cardea institute, Tirur
MNATSCH029	Akshay M.	88	M.Sc. Chemistry	MCC, Kozhikkode
MNATSCH030	Anand Venugopal	68	M.Sc. Chemistry	
MNATSCH031	Ananthu Raj	70	M.Sc. Industrial Chemistry	Ramaiiyah University, Banglore
MNATSCH032	Arjun P.K.		Diploma in Cyber Security	
MNATSCH033	Arun Kumar P.		Preparing for UPSC exam	
MNATSCH034	Nithin V.	56	Preparing for UPSC exam	
MNATSCH036	Sibijl Raj P.	56	M.Sc. Wood Science & Technology	Kannur University
MNATSCH037	Vishnu V.M.	59	M.Sc. Industrial Chemistry	Ramaiiyah University, Banglore

Result Analysis			Progression Analysis		
Higher than	Number	%		Number	%
90 %	2	6	M.Sc. Chemistry & related subjects	16	46
80-89 %	7	20	LLB	1	3
70-79 %	11	31	B.Sc. MLT	1	3
60-69 %	5	14	BHMS	1	3
55-60 %	3	9	Teacher training	2	6
Total	28	80	PG Diploma	5	14
			Entry level coaching	4	2
			Preparation for JAM	6	2

III. Co-curricular activities

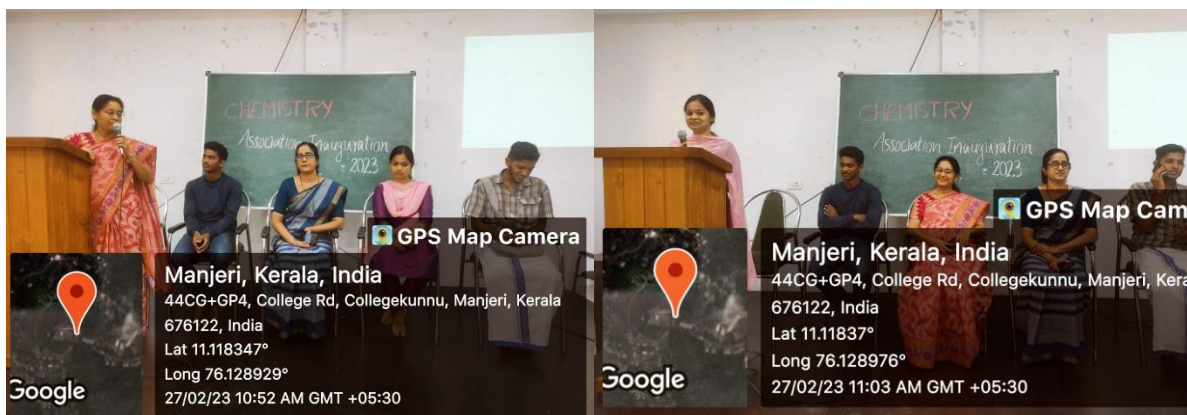
Organized by the Department

1. Merit Day Celebration 2022-23

The Department of Chemistry, N.S.S. College Manjeri celebrates Merit Day each year to reward exceptional students for their achievements in both their academic and extracurricular activities. The Merit Day for the academic year 2022–2023 was held on November 29, 2022. The welcome address was given by Mr. Vineeth M., the program coordinator. Mrs. Smitha M., HoD in charge, Dept. of Chemistry, presided over the ceremony. Dr. Jyothilekshmi P., Principal of N.S.S. College Manjeri, inaugurated the program and addressed the students with a message of inspiration. Both Ms. Aliya P. (University of Calicut 5th rank holder) and Ms. Akshara O.M. (J.A.M Qualifier) received recognition and financial rewards. In addition, Ms. Geethu P., a third-year student, was awarded cash prize for being topper in semester examination. Mrs. Neetha P.C. (IQAC Member), and Ms. Arathi (College Union Chair person) have delivered felicitations. Mrs. Sreelekha T.S. (Guest Faculty, Dept. of Chemistry) has extended the vote of thanks. Students from the Department of Chemistry have participated in the program.

Organized by Chemistry Association

1. Association inauguration by Hima P. (Researcher, NIT Calicut) on 27/02/2023. Dr. Sindhu Ramachandran C.V. (HoD) has presided the event in which Prof. Dr. Jyothilekshmi P (Principal, NSS College Manjeri) has delivered special address. Sidharth (Secretary, Chemistry Association) has delivered welcome address and Ms. Nimisha P (Representative, Second year B.Sc. Chemistry class) has delivered vote of thanks.



Organized by Chemistry Club

Chemistry Club 'Vanillin' is a students' collective wherein students are the office-bearers and organisers of various activities. Ms. GowryPadmanabhan, Ms. Anjana P.T. and Mr. Nidhin T.V. were elected as the Secretary, Jt. Secretary and Treasurer, respectively. Dr. Yamuna K.M. was elected as the teacher-in charge and has served as the teacher co-ordinator for all the activities. The following activities were undertaken by 'Vanillin', in the year 2022-23.

1) Ozone Day celebration:

The World Ozone Day was celebrated on 19/09/2022, with the following events

1. Students' seminar: One-day Students' Seminar was organised by the club on 19/09/2022. Prof. Dr. Jyotholekshmi (Principal) has inaugurated the seminar, in an event presided by Dr. Sindhu Ramachandran C.V. (HoD). Students of all the three classes have presented seminars on various topics on 'Environment and Climate'.
2. Caption writing competition: A caption writing competition was conducted in which the prize was won by Hanna Raheema (Second year B.Sc. Chemistry).

2) 'Aufbau', Quiz competition: Inter-school quiz competition 'Aufbau' was conducted for higher secondary school students around Manjeri, on 27/10/2022. Six teams have participated. Team of AjuKrishna.PandSivada.S (GGHSS Manjeri) won the first prize.

3) National Science Day celebration: The national science day was celebrated with an extension programme 'Let's talk about plastics', at GMLPS Manjeri South, on 28/02/2023. Selected club members have served as resource persons, to demonstrate the ways of better management of plastic waste.

- 4) Onam and Christmas Celebrations: We have celebrated the festivities on Onam on 31/08/2022 and Christmas on 21/12/2022, co-ordinated by the chemistry club.
- 5) Farewell to Final year class: This was conducted on 27/02/2022, in the afternoon.

NSS College Manjeri
'VANILLIN'
 -The Chemistry Club-
 & IQAC

Campaign Against Drug Abuse

REELS SHOW
 @ 1:30 pm, Seminar hall

INVITED TALK
 R.P. Suresh Babu
 Preventive Officer
 (Excise Prosecution Liaison Officer), Manjeri
 @ 2:00 pm, Seminar hall

All are invited...

NSS College Manjeri
'VANILLIN'
 -The Chemistry Club-
 & IQAC

Campaign Against Drug Abuse

REELS COMPETITION

Your Reels...

- Containing message against drug abuse
- Of max. 90 seconds duration
- Screening upto two persons

... Are Invited

9605517140

11/07/22,
 Monday



CAMPAIGN AGAINST DRUG ABUSE

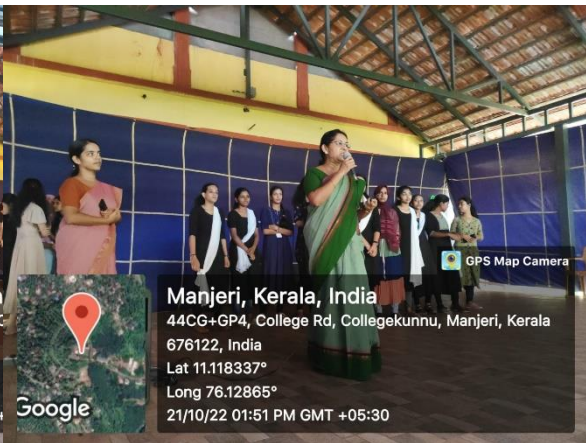
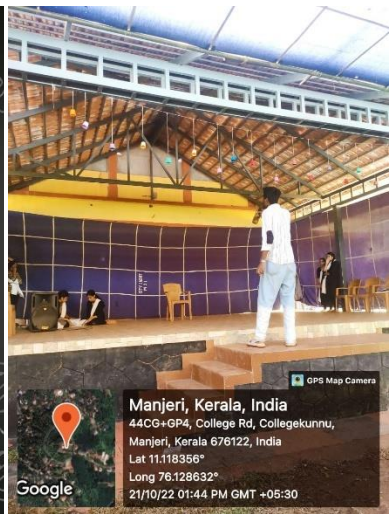
NSS COLLEGE MANJERI
Vanillin, Chemistry club & IQAC
Presents

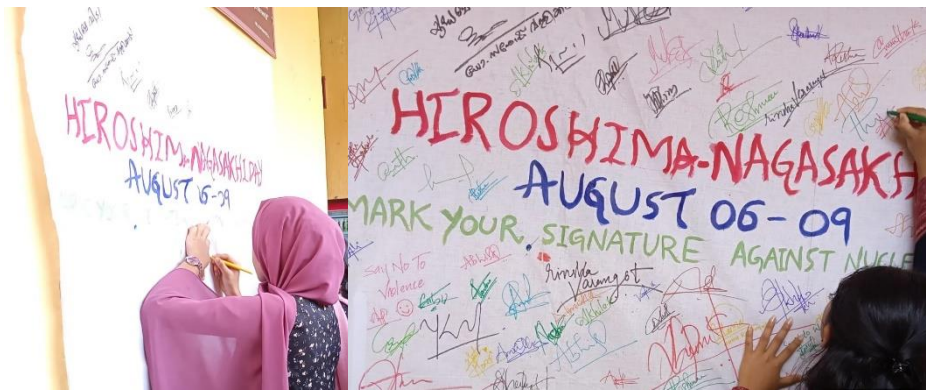
'ബോധപൂർണിമ'

Stage show on 21st October 2022
Venue:- Open stage

NO TO DRUGS

All are invited.....





N.S.S. COLLEGE MANJERI
VANILLIN
 Chemistry club & IQAC

19th August
 World Photography Day
 World Humanitarian Day

PHOTOGRAPHY CONTEST

Theme:- *Humanity*

Deadline: **22 August 2022**

Please send your entries

+91 9605517140



NSS College Manjeri
 Vanillin, Chemistry club & IQAC

16th September
Ozone Day
 Save The Planet

- One-day Students' seminar
- Focal theme: Environment and Climate
- Caption Writing Competition

Date & Time: 19/09/2022, 10:00am
 Venue: college seminar hall

Best presentation will be awarded.....
 All are invited.....

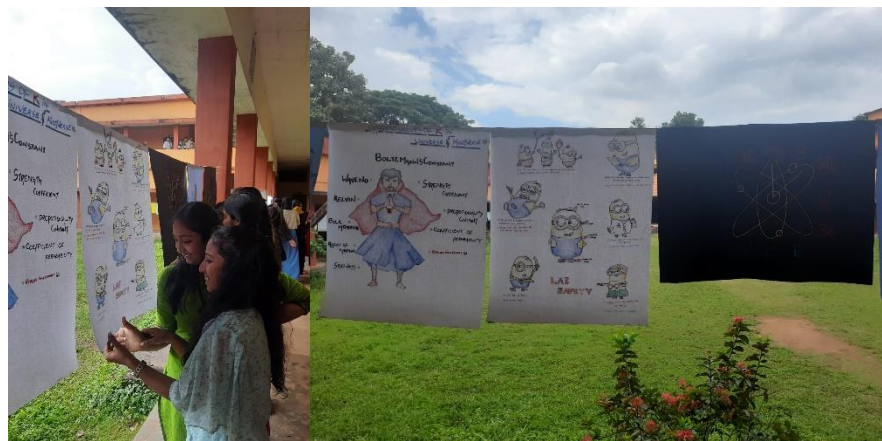
NSS COLLEGE MANJERI
 Vanillin, Chemistry club
 in association with IQAC

Celebrating the Week of Chemistry

Poster Exhibition on 17/10/2022

- Quiz competition to school students on 18/10/2022
- Exhibition 'Chemistry of Colours' on 20/10/2022

All are invited...



NSS College Manjeri
 'VANILLIN'
 The Chemistry Club & IQAC

Organises

Aufbau

Quiz Competition
 to Higher Secondary Students

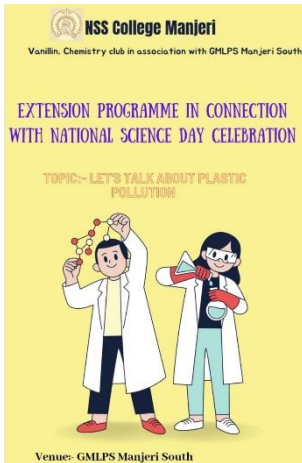
@ Seminar Hall, 10:00 am, 27th October

All are invited...











IV. Faculty development programmes attended by teachers

V. Students' Achievements

- Ms.

VI. Alumni Lecture

VII. STUDY TOUR

On February 15, 2023, the Department of Chemistry, N.S.S. College Manjeri has conducted an industrial visit for the Sixth Semester Students to the Rainbow Pipes factory in the Manipal Industrial Area of Karnataka's Udupi District. The basic objective of the visit is to demonstrate the machine, actual working on the machine and process for manufacturing PVC. A total of 27 final-year students and faculty members, including Mr. Vineeth M. and Dr. Yamuna K, M visited the industry. Unit chief, who welcomed the visitors and gave an explanation of the production line, assembly line, and testing facility.



