Central Library Bulletin

ACADEMIC YEAR 2019 – 2020

CENTRAL LIBRARY

NATIONAL ENGINEERING COLLEGE

(An Autonomous Institution, Affiliated to Anna University, Chennai)

K.R.Nagar, Kovilpatti – 628 503, Thoothukudi District.

https://nec.edu.in/

Estd : 1984

NEC Central Library Bulletin

Academic Year 2019 - 2020

CENTRAL LIBRARY READERS PARK

VISION

Enriching the knowledge and attitude of the students through reading and analyzing quality books, articles and journals

MISSION

- To motivate the students to gain knowledge via the art of reading
- To develop interest in reading via organizing various activities
- To create opportunities for students to inculcate the reading habits
- To transform the lives by reading inspiring books

Central Library Bulletin

Academic Year 2019 – 2020

Compiled by

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National Engineering College

(An Autonomous Institution,Affiliated to Anna University, Chennai)

K. R. Nagar, Kovilpatti – 628 503. Thothukudi District

May 2020

Estd : 1984

Central Library Bulletin for the Academic Year 2019 - 2020

Contents

K.R.Arunachalam, B.Com., M.B.A. (Misso-USA)
Correspondent

I am happy to see the fourth issue of the Central Library Bulletin which publishes the students' activities and achievements.

NEC focuses on making Great Engineers to the society by imparting ethical values, quality education and good personality with intense knowledge in technical and technological entities. In that stand, Central Library constantly provides a vivid platform to the students to share and gain skills and knowledge in both moral and professional areas. Reading makes a man wise... and Central Library Readers Park continuously encourages reading as a regular habit among the students who are all engineers of tomorrow.

I heartily bless good wishes to all the members of Readers Park and Central Library for their intensive effort on the release of the 4th Central Library Bulletin.

Correspondent

1. National Engineering College (NEC)

National Engineering College is set amidst sylvan surroundings against the backdrop of the Western Ghats. It has an excellent rural landscape and is far from the madding crowd. It provides an ideal atmosphere for academic pursuits. The college came into being in 1984, duly sanctioned under the self financing scheme under the Government of Tamil Nadu. During the past thirty six years, the college has grown and expanded in a phenomenal way.

NEC offers a wide variety of high quality education and training opportunities for every student, awarding qualifications through the highly reputed Anna University which is recognized as world class.

Sprawled in a green luxuriant campus, with the alluring backdrop of an enchanting hillock, in NH7 between Madurai and Tirunelveli, NEC provides an exemplary locale for academic pursuits in South Tamil Nadu.

NEC is affiliated to Anna University, Chennai and it is approved by All India Council for Technical Education, New Delhi. From the academic year 2011, the college has attained its autonomous status.

2. Central Library

Central Library acts as a knowledge hub for the academic activities of our Institution with a mission to provide a knowledge gateway to the user community with state-of-the-art technologies. A fully air-conditioned modern separate Library building is housed in an area of around 3911 sq.m. enabled with wi-fi facility and under CCTV surveillances.

Open Access System is followed. In addition to the well-stocked Library, each department has its Library to facilitate easy access to the Faculty, Students and Research Scholars.

The Library has a rich collection of 61236 volumes of books and 24182 titles, 130 National Journals and Technical Magazine, 3476 Back volumes, 2143 e-books, 3317 CDs, 4994 Project reports and 20 Newspapers (both English & Tamil).

Central Library has the subscription of IEEE (ASPP) and Elsevier (Science Direct) online journals and Institutional members of DELNET and NDLI.

e-Learning Management System (e-LMS) that customizes the content of NPTEL Videos and includes our college contents such as e-journals, e-books and e-question banks etc. The students, faculty and research scholars access the e-resources and download the relevant and needed articles.

The Central Library is kept open throughout the year except for government Holidays (Weekdays 08.30 a.m. to 07.30 p.m. and Sundays 09.30 a.m. to 01.00 p.m.)

The Central Library provides excellent library facilities for all the students and faculty members, such as sufficient books, proper seating and reading facility, proper classification and arrangement of books, attractive modern building with high-speed wi-fi connectivity, Web OPAC etc.

2.1 About Central Library

- ➢ *Book stocking section* has the collection of text and reference books as prescribed in the syllabus and also relevant books.

- ➢ In the *Periodical Section*, peer reviewed National Journals and Technical Magazines are available and are kept in printed form.

- ➢ *Reference Section* has Reference books, Dictionaries, Encyclopedias, Directories, Exam Guides, Standards, Manuals, Handbooks, Proceedings and collection of University & Autonomous question paper booklets.

- ➢ The *Circulation Section* is fully computerized with bar-coded circulation service (Issue, Return and Renewal of library documents)

- ➢ Back issue of journal are bounded every year and kept in *Back Volume Section* for reference purpose. Back volumes can also be borrowed by the users.

- ➢ *Web Online Public Access Catalogue* (Web OPAC) facilitates online search queries related to the availability of library resources viz. Books, Journals, CD/DVDs, Back volumes and project reports.

- ➢ An *A.V.Hall* (Audio & Video Section) for organizing NPTEL programme, Spoken Tutorial Workshops, Seminars, Conference & Viva Voce exams.

- ➢ *Reprography* and *printing facilities* are available to the users.

- ➢ *Book Bank Section* caters to the needs of students who avail the post-metric scholarship offered by the Government of India. The eligible students can avail six books at a time. The books are issued for a period of one semester and to be returned at the end of the semester.

2.2 Library Collections (as on 31 May 2020):

Book	Titles	24182	Volumes	61236
Book Bank	Titles	718	Volumes	3319
Student's Project (Since 2004)				4994
Back Volumes (Since 1993)				3476
Book's & Periodical's CDs				3317
National Journals and Technical Magazines				130
NPTEL Videos				38 TB
e-Books (Online Free)				2143
Online Journals				1. Elsevier 2. IEEE (ASPP)
Institutional members of DELNET (Since 2004) and NDLI				
NPTEL Videos (IITM, Chennai)				
Spoken Tutorial (IIT Bombay)				
Question Bank (Since 2002 – Anna University & Since 2011 - Autonomous)				

2.3 Library User & Utilization Statistics:

Particulars	Users Visit		Transactions		Usage	
	Students	Staff	Issue	Return	IEEE	Science Direct
Jun' 2019	7,163	85	2,874	1,265	14,499	19,524
Jul' 2019	9,099	80	3,695	3,602	25,906	57,863
Aug' 2019	6,208	76	2,983	3,182	28,562	33,067
Sep' 2019	6,275	81	2,504	2,498	28,974	49,031
Oct' 2019	3,942	44	2,233	2,343	20,431	26,999
Nov' 2019	3,052	41	1,283	2,460	5,707	20,947
Dec' 2019	5,244	63	2,148	1,191	11,722	16,782
Jan' 2020	7,295	77	3,167	2,782	15,928	22,451
Feb' 2020	7,324	53	2,492	2,736	12,605	18,872
Mar' 2020	-	-	-	-	12,343	28,080
Apr' 2020	-	-	-	-	14,078	1,468
May' 2020	-	-	-	-	3,751	6,281
Total	55,602	600	23,379	22,059	1,94,506	3,01,365
Average P/M	6,178	67	2,598	2,451	16,209	25,114
Average P/D	281	3	118	111	737	1,142

2.4 Operational Activities:

− Acquisition process has been completed and 1166 books (Accession No. 60071 to 61236) have been newly added.

− Periodicals acquisition process has been completed and renewed 130 National Journals and Technical Magazines (print).

− IEEE (ASPP) & Elsevier (Science Direct) online journals have been renewed.

− Renewed Institutional membership of DELNET, New Delhi.

− Bar codes and spine labels pasting process have been completed and 500 books have been bounded with wrapper.

− Damaged/missed bar codes have been incorporated and spine labels pasting process has been completed for 2,364 books.

− Autonomous Question Papers of November 2018 and April 2019 sessions have been scanned and uploaded in e-Learning Management System (e-LMS).

− Printed 3rd issue of Central Library Bulletin (Academic Year 2018-19).

− NEC Readers Park conducted many activities like debates, competitions and various talks to promote reading habit by better utilization of Library resources.

3. e - Learning Management System (e-LMS)

'e-learning encompasses research, learning and teaching in the digital environment', where students have access to courses offered online with instruction and course materials, instructors notes, course topics, and discussion forums.

It can also provide federated search in Science Direct and IEEE online journals, NPTEL Videos, Open source e-Books, e-Question banks etc. In addition to that, e-LMS offers the facility for NPTEL GATE materials in ECE & CSE. (URL: *http://172.16.10.104/LocalGuru/*)

3.1 e - Library

Sufficient numbers of systems are available in the e-Library with Internet facility to access the e-resources. Users can get the access e-resources for educational, research and development purpose. Non-book materials such as CDs, DVDs, along with the text book tutorial CDs and periodical's CDs are also kept in the Library.

Central Library has subscribed the following online journals.

Elsevier Science Direct:

– Elsevier AICTE package covered 376 Engineering and Computer Science Online journals articles + back files access from 2000 onwards through *https://www.sciencedirect.com/browse/journals-and-books*

– Online access to the content Science Direct platform via our institution's IP addresses and remote access using User ID and Password.

– Science Direct online journals subscribed from 2012 to till date

IEEE (ASPP):

– IEEE Xplore digital library provides online access to the IEEE core collection of engineering, electronics, and computer science periodicals. *https://ieeexplore.ieee.org*

– Online access via our institution's IP addresses and remote access using User ID and Password.

– 162 online IEEE Society – sponsored Journals, Magazines and Transactions

– A back file from 2005 onwards. Fast, custom search interface with facets, save searches, e-mail alerts, RSS feeds and more.

– IEEE ASPP online journals subscribed from 2009 to till date

4. DELNET

– NEC Central Library has an Institutional member of DELNET (since 2004), New Delhi. URL: *www.delnet.nic.in.*

– DELNET is offering Inter Library Loan & Document Delivery Services to its member Libraries. Any type of library material, irrespective of format, which is needed by a member Library of DELNET for reference, information, recreation, study, research and instruction, can be borrowed from another member Library of DELNET.

– The lending library will determine whether the material can be provided by keeping in view of regulations or restrictions.

– DELNET Institutional Membership from 2004 to till date

5. National Digital Library of India (NDLI)

National Digital Library of India (NDLI) is a virtual repository of learning resources. This is not just a repository with searching / browsing facilities, it also provides a host of services for the learner community.

NDL India is designed to hold the content of any language. It is being arranged to provide support for all academic levels including researchers and lifelong learners of all disciplines, all popular form of access devices at *https://ndl.iitkgp.ac.in/*

It is sponsored and mentored by Ministry of Education, Government of India, through its NMEICT. It is developed, operated and maintained by the Indian Institute of Technology, Kharagpur.

National Digital Library of India Club (NDLI Club):

NDLI Club is a platform for conducting learning oriented events, both online and offline, for students of an institute using the contents of NDLI and experts to deliver talks or conduct sessions.

6. Readers Park

Reading is a creative, a mind expanding, an adventurous and an exciting activity. Through reading we can experience what it is like to be somebody else in a different age, culture, society, another part of the world and another time in history. Readers embark on a journey every time they open a book.

Vision

➢ Enriching the knowledge and attitude of the students through reading and analyzing quality books, articles and journals.

Mission

➢ To motivate the students to gain knowledge via the art of reading.
➢ To develop interest in reading via organizing various activities.
➢ To create opportunities for students to inculcate the reading habits..

Objectives

➢ To motivate the members to become voracious readers.
➢ To develop communication skills.
➢ To develop their personal skills in various environments.
➢ To develop their attitude and make them optimists.
➢ To promote the usage of library resources.
➢ To transform the community by reading inspiring books.
➢ To channelize the human energies.

Membership Enrollment

All the students from our college who are determined to enhance their reading skill, who factually run with the latest current affairs and interested in having an interdisciplinary knowledge on various aspects are encouraged to enroll in Readers Park. There is no restricted number for the membership.

Gathering

The members of the Readers Park will meet once in a week, during the presentation / discussion. It will be conducted based on the trends of different topics from its inception level.

- ✓ Presentation will be on the current and emerging trends in various technical levels.
- ✓ Inspiring books, articles read by the members can be shared among the park members.
- ✓ Interested students from various departments can attend and update their knowledge across the fields.

Review Meetings

Readers Park executive committee members review meetings were held seven times at Central Library during the Academic Year 2019 – 2020.

- ✓ The Executive Committee Members provided suggestions and recommendations for improving reading ability, policy taken, to develop the leadership quality among students and Readers Park activities.
- ✓ Tentative schedule was prepared for conducting upcoming events and various activities such as both technical and non-technical events.
- ✓ The office bearer's selection of the Readers Park was discussed during the meeting.

Members had actively participated in this meeting and came up with different innovative and peculiar ideas, to improve the participation in Readers Park.

6.1 Organized National Level Events / Activities:

6. 1.1 Webinar on 'IEEE Publications: Boosting Your Career'

Conducted a IEEE webinar on 'IEEE Publications: Boosting Your Career' on 20 May 2020 through Webex online tool. Mr. Stephen S. Billigraham, III - Mechanical student, welcomed the online gathering. Mr.K.R.Praveen Krishna, IV - Mechanical student explained about the Readers Park and Central Library. Mr.R.Vigneshwaran, IV - CSE student introduced the resource person.

Dr. Dhanu Pattanashetti, Senior IEEE Client Services / University Partnership Program Manager, Bangalore acted as resource person. The resource person stated that IEEE Xplore provides web access for more than 5 million documents from publications in circuit engineering and allied fields. IEEE All-Society Periodicals Package (ASPP), brought you via the IEEE *Xplore* digital library, is available online or in print and provides access to the IEEE core collection of engineering, electronics, and computer science periodical's that comprise more than 152 peer-reviewed journals.

Ms.L.Nishanthi, III - ECE student delivered the vote of thanks. Dr.S.Tamil Selvi, Prof. & Dean(A), Dr.K.Karunai Raghavan, Librarian and active Readers Park members made the arrangements for this entire event a grand success. Nearly 131 students and faculty members from various departments participated in the event.

6.1.2 Vaagai Soodavaa 2020

Conducted online competition on 'Vaagai Soodavaa 2020' for 11th, 12th and polytechnic students from 31 May 2020 to 07 June 2020. The event was successfully conducted during the stipulated time. Subsequently, the posted records of the participant's videos are scrutinized and the best of them were selected by leading experts and the results were announced.

Nearly 201, 11th, 12th and polytechnic Students from various districts like Chennai, Coimbatore, Cuddalore, Dharmapuri, Dindigul, Erode, Kallakurichi, Kancheepuram, Karaikal, Krishnagiri, Madurai, Namakkal, Pondicherry, Ranipet, Salem, Tenkasi, Theni, Thoothukudi, Tirunelveli, Trippur, Trichy, Vellore and Virudhunagar (nearly 30 districts) had actively participated in the online competitions.

6.1.2.1 Event - 01: Story Telling

1st Prize: The student Mr.S.Dixon Deva Durai belonging to D.M.N.S. Dr.Sivanthi Adithanar Matriculation Higher Secondary School, Thoothukudi has won the first prize Rs. 10,000/- with online Certificate.

2nd Prize: The student Mr.N.Chandru Prasath belonging to K.S.R. Polytechnic College, Thiruchengode, Namakkal has won the second prize Rs. 5,000/- with Certificate.

Dr. K. Shankar, Assistant Professor Grade II, Department of Electronics & Instrumentation Engineering, National Institute of Technology, Silchar, Assam had served as judge for the story telling competition.

6.1.2.2 Event 02: Drawing / Painting

1st Prize: The student Ms.K. Ramya belonging to Mahatma Montessori Matriculation Higher Secondary School, Madurai has won the first prize Rs. 10,000/- with Certificate.

2nd Prize: The student Ms.S.Sahaya Arlin Nathinsha belonging to Subbiah Vidyalayam Girls Higher Secondary School, Thoothukudi has won the second prize Rs. 5,000/- with Certificate.

Kalai Nanmani Thiru S.Mohan Kumar, Drawing Master, Government Higher Secondary School, Kalingapatti had served as judge for the drawing / painting competition.

Readers Park Convener Dr.S.Tamil Selvi, Professor & Dean (Academic), Coordinator Dr.K.Karunai Raghavan, Librarian and the Readers Park's active Members had made elaborate arrangements for this competition and made it a grand success.

6.2 Organized Intra College Level Events / Activities

6.2.1 Career Development Classes

NEC Readers Park conducted career development classes through NEC Career Development Cell for the interested students for their Career Development during Monday, Tuesday and Wednesday of every week from 4.30 p.m. to 6.20 p.m.

- ✓ From June 18, 2019 to till the end of the odd semester
- ✓ From January 6, 2020 to till the end of the even semester

6.2.2 Talk on Situational Analysis

SWOT analysis helps us to focus on our strengths, weaknesses, minimize threats, and take the greatest possible advantage of opportunities available. In this regard, NEC Readers Park had conducted the 'Talk on Situational Analysis' on 01st August 2019 by 4.30 p.m. at Central Library.

Ms.S.Alaguparvathi, IV - CSE welcomed the gathering. Mr.R.Vigneswaran, IV - CSE organized the event.

A particular situation was given for each participant and they were asked to talk on the situation on the basis of SWOT analysis for 5 minutes. Their talk on the given situation was judged on the basis of their positive approach, ability in handling the situation, quick and wise decision making, circumstantial thought process and emotional balance.

Various situations and valuable points on handling those situations in life were discussed, some points even highlighted the ironies of the society and the way human thoughts get swayed in accordance with the situations they are placed in the course of life. People being inhumane void of humanity, filled with greediness and other evil thoughts that emerge from time to time in people's minds are picked and discussed for the solution.

Ms.P.V.Gayathri, IV - CSE proposed the vote of thanks. Dr.K.Karunai Raghavan, Librarian, and Mr.K.R.Praveen Krishna of IV - Mechanical have coordinated the entire event in a successful manner.

6.2.3 Storytelling

Stories or narratives have been shared in every culture as a means of entertainment, education, cultural preservation, and to inculcate moral values. Crucial elements of stories and storytelling include plot, characters, and narrative point of view.

In this connection, Readers Park had conducted Storytelling programme at Central Library on 8 August 2019 between 4.50 p.m. & 6.30 p.m.

Ms.S.Subaranjani, IV - Civil welcomed the gathering, Dr.K.Karunai Raghavan, Librarian graced the occasion and mentored students.

Mr.R.Vigneshwaran, IV - CSE spoke about 'Build an empire with the stones thrown at you', he shared his views about how one should not feel frightened to express their views and opinion in front of the audience and highlighted the importance of self confidence.

Mr.A.Mohamed Arif, II - CSE spoke about 'Hesitate to Hesitate' supporting the need of self confidence among the readers.

Ms.B.Lakshmi, IV - IT spoke about herself, she shared about her likes, dislikes and interests in a humorous way by encouraging everyone to come forward and speak their heart out.

Ms.S.S.Ayswariah, IV - EIE spoke about the mythological stories from the Mahabharath which touched her heart and made her thoughtful about life.

Ms.T.Dhanalakshmi, IV - Mechanical proposed the vote of thanks. Mr.K.R.Praveen Krishana, IV - Mechanical and Ms.G.Vijayalakshmi, IV - EIE coordinated the entire programme in a successful manner and the celebration ended with the national anthem.

6.2.4 National Librarian's Day Celebration

National Librarians' Day is observed on 12th August every year to commemorate the birth anniversary of Padmashri Dr.S.R.Ranganathan (August 12, 1892 – September 27, 1972), who is considered as the father of Library Science in India. Dr.S.R.Ranganathan dedicated his entire life to library profession and left a rich legacy. On 127th birth anniversary of Dr.S.R.Ranganathan, the Readers Park, Central Library of National Engineering College celebrated National Librarians' Day 'வாசிப்பை நேசிப்போம்' at Central Library by 2.00 p.m. on 13 August 2019.

Ms.G.Vijayalakshmi, IV - EIE welcomed the gathering. Mr.K.R.Praveen Krishna, IV - Mech. organized the event. Speaking on the occasion, Dr.S.Tamil Selvi, Professor & Dean (Academic) said,"It is very important to know the importance of the library in the modern scenario. A library is not only a collection of books but is a way to transform life and society. Library facilitates group study, collaboration for interdisciplinary activities and it is motivational for personality development in shaping our life".

The brief introduction about Siyali Ramamrita Ranganathan and detailed description about his notable works were explained by Ms.S.S.Ayswariah, IV - EIE. Following that, the speech on the given debate of the day was started.

Debate on 'Hard Work vs Smart Work'

Judges : Dr.S.Tamil Selvi, Professor & Dean (Academic), and Dr.K.Karunai Raghavan, Librarian.

Hard Work vs Smart Work			
Smart Work		**Hard Work**	
Vigneswaran, R.	IV - CSE	Dhanalakshmi, R.	IV - CSE
Suchaachine, K.	IV - Civil	Gayathri, P.V.	IV - CSE
Ayswarah, S. S.	IV - EIE	Janofer Ibrahima, J.	IV - CSE
Dhanalakshmi, T.	IV - Mech.	Vijaya Lakshmi, G.	IV - EIE
Yogitha Lakshmi, R.	II - CSE	Subaranjani, S.	IV - Civil
Stephen S.Billigraham	III - Mech	Manoj Kumar, P.	III - Mech.
Sankara Ramanathan, A.	IV - CSE	Infant Anto Edin, S.	II - CSE
Karthick Kishore, K.	I - Mech	Johinth Selva, A.	I - Mech.
Praveen Krishna, K. R.	IV - Mech.	Suriyaprabhakar, A.	III - Mech.

Conclusion: Dr.S.Tamil Selvi, Professor & Dean (Academic), had encouraged all the speakers for their good efforts. And she made a remark, Hardwork means spending a lot of time and effort in doing a certain amount of work. Whereas, smart work means spending less amount of time for performing the same amount of work. Hard work aims at the quantity and may become monotonous and boring after a certain period. Smart work aims at achieving goals with quality. She also explained **SMART** (**S** for **S**pecific, **M** for **M**easurable, **A** for **A**chievable, **R** for **R**elevant and **T** for **T**ime bound).

The event was concluded by 5.40 p.m. with the vote of thanks by Ms.P.V.Gayathri, IV - CSE. Nearly twenty four students from various departments attended the event.

6.2.5 ICT Youth Talk'19

ICT Academy, Tamil Nadu 'Youth Talk'19: The Massive Talkathon - Talk Your Way to Singapore' contest was organized during the month of September 2019 in different levels to recognize young and powerful communicators.

In this connection, NEC Readers Park has conducted preliminary speech contest at Central Library on August 26, 2019 by 3.30 p.m. Mr.K.R.Praveen Krishna, IV - Mech welcomed the gathering.

Dr.D.Manimegalai, Professor & Head/IT, Dr.S.Tamil Selvi, Professor & Dean (Academic) and Ms.S.Parvathy, AP/S&H had acted as judges for this event.

The following students competed for the opportunity to represent our college in the first level of the contest.

- Abinaya, N., I - Civil
- Aiswaryaa, A., III - CSE
- Anna Poorani, G., III - CSE
- Brindha, C., II - IT
- Feroz Ahmad Lone, II - Mech.
- Gayathri, M., III - CSE
- Jenefa, S. I., III - EIE
- Lakshmi, B., IV - IT
- Maria Infant Roshaliya Fernando, P., III - IT
- Nandhini, S., II - CSE
- Narain, C. A., I - CSE
- Perchi, K., III - CSE
- Poneeswari, J., II – IT
- Priyadarshini, L., III - CSE
- Raja Priya, K., III - IT
- Rajanayaki, S., III - CSE
- Sabu Verma, II - IT
- Sankareeswari, M., III - CSE
- Sanmathi Parameswaran, II - Civil
- Sarojini, S., III - EIE
- Shifara Marjan, U., III - IT
- Subitsha, A., I - ECE
- Suji, S., I - CSE
- Uvarani Alias Uktha, K., I - Mech.
- Vaidyanathan, K., I - CSE
- Vasuki, G., I - EEE

Various aspects and valuable points were discussed with humour and satire, some points were highlighted such as avoid looking down, improve eye contact, speaking without grammatical error, pronunciation, difference between general talk and public speaking, avoid monotony in rhythm and allow a natural flow of thoughts etc. With a tough fight and neck to neck competition, making it difficult for the judges to decide.

All the above students were selected for the next round to represent our esteemed institution for ICT Youth Talk'19, Tamil Nadu: The Massive Talkathon - Talk Your Way to Singapore Speech Contest. The Organizer congratulated the students for final round selection.

Ms.B.Lakshmi, IV - IT proposed the vote of thanks. Nearly twenty six students from various departments attended the event. Dr.K.Karunai Raghavan, Librarian, coordinated the entire event in a successful manner.

6.2.6 Aptitude Solving

An aptitude is a component of a competence to do a certain kind of work at a certain level. Aptitude is inborn potential to do certain kinds of work whether developed or undeveloped. Ability is developed knowledge, understanding, learnt or acquired abilities (skills) or attitude. The innate nature of aptitude is in contrast to skills and achievement, which represent knowledge or ability that is gained through learning. Aptitude tests inculcate many factors like Numerical reasoning, Verbal reasoning, Abstract reasoning, Speed, Accuracy and other such abilities.

In order to promote these qualities, NEC Readers Park had conducted an event on **Aptitude Solving** on 5th September 2019 by 04.45 p.m. The event began with the warm welcome addressed by Mr.K.R.Praveen Krishna, IV - Mech. Having welcomed the members of the Readers Park and the participants of the event, the event organiser Ms.T.Dhanalakshmi, IV - Mech gave a brief introduction about aptitude and questions to solve using shortcuts and tricks.

The event consisted of four sections such as Numerical Reasoning, Quantitative Aptitude, Verbal Reasoning and Non – Verbal reasoning. The questions were given to the participants and were asked to solve them within the stipulated time limit. All the participants solved the aptitude enthusiastically. Further a discussion was made on **'How to manage time during Aptitude Exams'**. The participants sort out their own methods and discussed it with all the participants. The event was ended with the vote of thanks delivered by Mr.P.Melchisedec Samuel, III - Mech.

6.2.7 Turncoat

Turncoat is a form of speech where the speaker presents his ideas both for and against the topic.The NEC Readers Park conducted the Turncoat on September 26, 2019 by 4.30 p.m.

The gathering was welcomed with a warm addressing given by Mr.N.Aagash, III - Civil. Dr.K.Karunai Raghavan, Librarian acted as the judge for the event. Students from various departments participated in the events.The list gives out the name of students participated and the topics on which they spoke:

Student Name	Topic
Ms.S.Subaranjani, IV - Civil	Books and TV: which is more useful and better?
Ms.G.Vijayalakshmi, IV - EIE	Technology harms our future
Ms.S.Priyanga, IV - EIE	Is mobile banking secure?
Mr.S.Guruvasanth, III - Mechanical	Our votes: do they really matter?
Mr.V.B.Siva Ram Kumar, II - Mechanical	Is online study more effective than traditional?
Mr.M.Mariskarthick, III - Mechanical	Should the voting age be lowered?
Mr.K.R.Praveen Krishna, IV - Mechanical	Readers Park & Central Library
Ms.R.Thanga Dhaya, IV - EIE	Smart Phone
Ms.M.Meera, IV - EIE	Taxation: Is it Good or Bad

The topics were given on the spot and the speaker had to speak 'for' the topic atleast 3 minutes followed by the 'Against' the topic. The students who participated did a good job in debating themselves turning to both the sides of the topic. The event ended by 6.10 p.m.

Mr.Stephen S.Billigraham, II - Mech., thanked the gathering. Thus, the event was successfully organised under supervision of the coordinator and the cooperation of the Readers Park members.

6.2.8 Vigilance Awareness Week - 2019

NEC Reader Park, Central Library and National Service Scheme (NSS) jointly organized a Vigilance Awareness Week 2019 celebration on 01 November 2019. As per instruction from AICTE vide letter CVO/AICTE/2012/VAW/05 dated October 14, 2019, National Engineering College, Kovilpatti has observed October 28, 2019 to November 2, 2019 as Vigilance Awareness Week 2019 with the theme Integrity - a Way of Life. Under guidelines from Central Vigilance Commission (CVC), the apex integrity institution of the country which endeavours to promote integrity, transparency and accountability in public life, NEC has observed Vigilance Awareness Week - 2019 for students and staff members.

In this connection, the volunteers cum active members of Readers Park had planned and successfully conducted a series of contests on November 1, 2019 that received an overwhelming response from the participants. The activities are listed below:

6.2.8.1 Integrity e-Pledge

The strength of a nation derives from the integrity of the home. Envisaged a concept of integrity pledge, more than 416 first year students and nearly 25 staff members had taken the Integrity e-pledge through CVC website.

6.2.8.2 Debate on 'Integrity - a way of Life: Individual vs Society'

Speech is power: speech is to persuade, to convert, to compel. The Central Library A.V. Hall roared with the claps of about 55 students when the program started. The event was coordinated by Dr.K.Karunai Raghavan and Mr.J.Thamba along with the first year students. The 90 minutes of Tamil debate topic on 'Integrity - a way of Life: Individual vs Society' which endeavours to promote integrity, transparency and accountability in individual and public life. Dr.S.Tamil Selvi, Professor and Dean (Academic) had served as a judge for Debate.

Speakers

Integrity - A Way of Life			
Individual		**Society**	
Name	**Year & Dept.**	**Name**	**Year & Dept.**
Shunmugalakshmi, P.	I - B.Tech. I.T.	Vasuki, G.	I - B.E.- E.E.E.
Anusiya, G.	I - B.Tech. I.T.	Bagawathi, R.	I - B.E.- E.E.E.
Suga Priya, K.	I - B.Tech. I.T.	Rushmithaa, S.B.	I - B.E.- E.E.E.
Vaidyanathan, K.	I - B.E.- C.S.E.	Joyslin Janet, J.	I - B.E.- E.E.E.
Narain, C.A.	I - B.E.- C.S.E.	Abinaya, N.	I - B.E.- Civil
Ram Kumar, M.	I - B.E.- C.S.E.	Pradeepa, S.	I - B.E.- E.C.E.
Keerthi Vasan, S.	I - B.E.- E.C.E.	Suji, S.	I - B.E.- C.S.E.

6.2.8.3 Essay Writing (Tamil)

Simple and catchy phrase accompanying that encapsulates a product's appeal or the mission of a firm and makes it more memorable. Essay Writing Competition (Tamil) of one-hour duration, carrying not more than 150 words on the topic: Integrity - a way of life on moral values, ethics, good governance practices.

Winners are: Keerthi Vasan, S., I - B.E.- E.C.E.   -   I   Prize
               Suga Priya, K., I - B.Tech. - I.T.   -   II   Prize
               Vidhya, P. I - B.E.- E.C.E.   -   III   Prize

6.2.8.4 Essay Writing (English)

Essay Writing Competition (English) of one-hour duration, carrying not more than 150 words on the topic: Integrity - a way of life on moral values, ethics, good governance practices.

Winners are: Subikshaa, S., I - B.Tech. I.T   -   I   Prize
               Vinothini, M., I - B.E.- E.E.E.   -   II   Prize
               Suji, S., I - B.E.- C.S.E.   -   III   Prize

6.2.8.5 Cartoon Competition

With a visual representation of ideas and thoughts, a forum was created to communicate to the audience. Cartoon Competition of one and half hour duration, a competition conducted on the theme of Integrity - a way of Life.

Winners are:

Bagawathi, R., I - B.E.- E.E.E.	-	I	Prize
Mangai Esakki, P., I - B.Tech. I.T	-	II	Prize
Ragul, T.N., I - B.E.- C.S.E.	-	III	Prize

6.2.8.6 Special Lecture on Integrity - a way of life

To spread awareness amongst the students against corruption, NEC Readers Park arranged a special lecture on Integrity - a way of life delivered by Dr.D.Manimegalai, Professor and Head, Department of Information Technology, NEC, a part of Vigilance Awareness Week 2019 observance.

This lecture was an extremely informative and really splendid presentation that exposed students to integrity. All the students appreciated and got benefited.

6.2.8.7 Social Media

The posters, banners, and information about various activities in connection with Vigilance Awareness Week - 2019 have been uploaded in our College face book page.

6.2.8.8 Display Banners

Displayed Vigilance Awareness Week 2019 banners at prominent places of National Engineering College, Kovilpatti.

6.2.8.9 Human Chain Formation

As a part of Vigilance Awareness Week 2019, NEC organized a **Human Chain formation** at Kovilpatti Travellers Bungalow on 01st November 2019. Around 180 students along with the general public took part in this occasion carrying placards and banners with slogans. A pamphlet of integrity pledge in Tamil about Vigilance Awareness Week 2019 was distributed to the general public.

Ms.G.Vasuki of I year B.E. EEE student welcomed the gathering. Mr.G.Hector Dharmaraj, Deputy Superintendent of Police, Vigilance and Anti-Corruption Wing, Thoothukudi was the Chief Guest of the function. He addressed the gathering and explained about obligation and responsibility of an individual to create a corrupt-free society.

The function was presided over by Dr.S.Shanmugavel, Director, National Engineering College in the august presence of Dr.K.Kalidasa Murugavel, Principal, National Engineering College, Dr.M.A.Neelakantan, Professor and Head of Science and Humanities Department and Dr.S.Tamil Selvi, Professor and Dean (Academic).

Mrs.Jeya Shri, Inspector of Police, Vigilance and Anti-Corruption Wing, Thoothukudi was also present on the occasion. Mr.K.Vaidyanathan of I year B.E. CSE student administered the vigilance pledge. All participants took the integrity Pledge. Ms.R.Bagawathi of I year B.E. EEE student delivered the vote of thanks.

Dr.K.Karunai Raghavan, Librarian, Mr.J.Thamba, AP/S&H, Readers Park members, and NSS volunteers made the arrangements for this entire event in a grand manner.

6.2.8.10   Prize Distribution Function

Mr.K.Vaidyanathan, I - B.E. - C.S.E. welcomed the gathering. The Vigilance Awareness Week 2019 activity report was read by Ms.S.Suji, I - B.E. - C.S.E. The prizes and certificates were distributed by Dr.S.Shanmugavel, Director and Dr.K.Kalidasa Murugavel, Principal.

Prof.G.Kameshwari, Head, Department of English, G.Venkataswamy Naidu College, Kovilpatti, has acted as chief guest and delivered Chief Guest Address. Dr.M.A.Neelakantan, Dean (R & D), Professor and Dean (R & D), Dr.S.Tamil Selvi, Professor and Dean (Academic), Dr.K.Karunai Raghavan, Librarian, Mr.J.Thamba, AP/S&H, Reader's Park members and NSS volunteers were attended the event. Mr.S.Guruvasanth, III - B.E. Mech., proposed the vote of thanks and the event were ended with the national anthem.

6.2.9 National Library Week

NEC Readers Park, Central Library and National Service Scheme (NSS) jointly organized National Library Week cum Vigilance Awareness Week 2019 certificate and prize distribution function on 14th November 2019 (Thursday) at the Central Library.

Mr.K.Vaidyanathan, I - B.E. - C.S.E. student welcomed the gathering. Mr.K.R.Praveen Krishna, IV B.E.-Mechanical student explained about the Readers Park & Central Library.

Ms.M.Aarti Lakshmi, IV B.E. - EEE student explained about National Library Week. The Vigilance Awareness Week 2019 activity report was read by Ms.S.Suji, I - B.E. - C.S.E.

Ms.S.Kausalya, I-M.E.-C.S.E. and Ms.L.Nishanthi, III B.E.- ECE students delivered a motivation talk. Dr.S.Tamil Selvi, Professor and Dean (Academic), delivered a special address about reading.

The prizes and certificates were distributed by Dr.S.Shanmugavel, Director and Dr.K.Kalidasa Murugavel, Principal. Mr.N.Aagash, III - B.E. Civil student introduced the Chief Gust.

Prof.G.Kameshwari, Head, Department of English, G.Venkataswamy Naidu College, Kovilpatti was the Chief Guest.

In her address, she insisted the importance of reading and its incredible benefits when it is practiced and reading will also help to visualize the image of contents when we read.

Dr.M.A.Neelakantan, Dean (R & D), Professor and Head of Science and Humanities Department, Dr.K.Karunai Raghavan, Librarian, Mr.J.Thamba, AP/S&H, Reader's Park members and NSS volunteers graced the occasion.

Mr.S.Guruvasanth, III - B.E. - Mech., proposed the vote of thanks and the event was ended with the national anthem.

6.2.10 Publicize a Reading

NEC Readers Park organized 'Publicize a Reading' on 19th December 2019 - a event where its members participated for various topics.

Mr.Stephen S.Billigraham of third year Mechanical department welcomes the gathering. The event was organized by Ms.P.Sanmathi of second year civil department. The participants discussed about facts, current affairs and much more.

The event proved that 'sharing the information is all about learning more and more'. The participants discussed on CAA, India's Economy and local elections.

Dr.K.Karunai Raghavan, coordinated the event and motivated the students to learn more about the nation. And Mr.N.Aagash of third year civil department gave the vote of thanks.

6.2.11   Palaver (Group Discussion)

NEC Readers Park conducted a Palaver (Group Discussion) for its members on January 02, 2020. Ms.S.Subaranjani of final year Civil department initiated the event with a welcome address.

Following the welcome address Ms.L.Nishanthi of third year ECE department gave a talk on "Technology & Innovation". Proceeded the members of Readers Park had their discussion about Jio Network.

All the participants of the group expressed their individual views over the conversation. Hence they got a lot-to-know over the topic. Dr.K.Karunai Raghavan, coordinated the event. The vote of thanks was given by Ms.B.Lakshmi of final year IT department.

6.2.12   Time to Explore

Time to Explore is an idea or suggestion, we think about it or comment on it in detail, in order to assess it carefully. NEC Readers Park has discussed about 'Time to Explore' on 30ᵗʰ January 2020 at Central Library by 4.30 p.m., where its members opened up for various topics.

Ms.L.Nishanthi of third year ECE department welcomed the gathering. Ms.B.Lakshmi of final Year IT department motivated the members by sharing her development phase under the guidance of Readers Park. Ms.V.Shivasankari of first year IT department and Ms.L.Nishanthi of third year ECE department discussed some **'Tech-talks'** to our members.

Dr.K.Karunai Ragavan, Librarian coordinated the event. Mr.T.N.Ragul of first year CSE department delivered the vote of thanks.

6.2.13   Book Launch Ceremony

Central Library, Readers Park celebrated Book Launch Ceremony on 07 February 2020 by 11.00 a.m. at the College Auditorium.

The function was presided over by Thiru.K.R.Arunachalam, Correspondent, National Engineering College. Dr.K.Karunai Raghavan, Librarian welcomed the gathering. K.R.Praveen Krishna, final year Mechanical Engineering student explained about the Readers Park and Central Library.

Director Dr.S.Shanmugavel delivered the presidential address, Principal Dr.K.Kalidasa Murugavel delivered the felicitation address and Dean Academic and Professor Dr.S.Tamil Selvi delivered the special address.

Dr.R.Suriyanarayanan, Advisor, SALIS has reviewed the book and appreciated the author of the book. Ms.G.Vasuki, I -EEE student introduced the Chief Gust.

Chief Guest, Dr.R.Nantha Gopal, I.A.S., Labour Commissioner, Government of Tamil Nadu had the released the book titled "Pattappagalilor Nettaikkanavu: Vidiyalai Nokki" written by Ms.L.Nishanthi, III year ECE student and the first copy of the book was received by our Correspondent Thiru.K.R.Arunachalam.

The Chief Guest in his address stated that the writing and content of the book should give awareness to the society and useful for the uplift of the downtrodden people and should equalize the power of imbalance among human beings. Though writing poetry is difficult, but at the same time it provides new venture towards the Society. He motivated the youngsters to think in the right direction. Also the guest motivated the students to use the library with the latest technologies effectively. He insisted the students to do historical achievements by going through the history of A.P.J.Abdul Kalam, V.O.C., Thomas Alva Edison and Ramakrishnan founder of Amer Seva Sangam. About 400 students participated in this function. Finally, the author Ms.L.Nishanthi, delivered the author acceptance speech and the vote of thanks. College Correspondent, the Director, the Principal, Department Heads, Professors, Students and parents greatly appreciated the author Ms.L.Nishanthi.

Under the guidance of the College Correspondent, the Director, the Principal and the supervision of Librarian, Readers Park members and library staff members have made elaborate arrangements for this function.

6.2.14 Debate on வாசிப்பை ஊக்குவிப்பது தொலைக்காட்சியா? புத்தகமா?

Debate is a process that involves formal discussion on a particular topic. In a debate, opposing arguments are put forward to argue for opposing viewpoints.

NEC Readers Park conducted a debate for its members in the topic "வாசிப்பை ஊக்குவிப்பது தொலைக்காட்சியா? புத்தகமா?" on 20th February 2020 at Central Library. Mr.T.N.Ragul, I - CSE student welcomed the gathering. Ms.V.Shivasankari of first year IT department initiated the event and acted as judge.

Ms.A.Subitsha, I - ECE, and Ms.N.Abinaya, I - Civil department made their points strong for the team Television. Mr.K.Vaidyanathan, I - CSE and Mr.C.A.Narain, I - CSE supported clearly for the team books.

The following valued points were deeply discussed in the debate:

Book Team: The demand for reading is about learning, we are conflating reading and books. Yes, reading books helps in sharpening the intellectuality and ultimately results in widening the mental spheres. Reading books enhance the intellectuality, fills the hunger of striving mind and satisfy all the queries of mind. Reading book enhance the imagination and hence open wider space of creativity, it helps in innovating different things in a different way. Contrary to that TV shortens the probability of innovation. When one reads a book, he can learn how to imagine, how to express the views and learn how to make a perception over a thing.

Television Team: The demand for reading might be many things including learning, relaxation, and entertainment. TV is superior in all of these categories and more. It is a multimedia format that can easily be paused and replayed via DVR. The same multimedia presentation can be distributed on a smartphone, tablet or PC through a DVD or jump drive, YouTube or Internet TV.

Book Team: Watching TV would not help in learning all these minute things which are important for a person. Because expression of views gives a person an identity to personify him. So for being a better learner one should need to be better scholar and for that he definitely need to read mind enriching books.

Television Team: Computer is the superior medium for delivering information provided that is the goal. But this topic is about books vs TV. Just as you must be selective when finding good reading material, the selection process is used to find suitable programming. Once you do, I believe that a multimedia form of delivery has many advantages that outweigh those of the written form. A good point is made about being able to pace yourself with books. Given the same amount of time one typically invests in reading a book, TV could produce greater results. While it's true that reading might better prepare you to express your views that would probably pertain mostly to the written form. TV can teach you verbal communication skills that can include tone, gestures, inflexions, and dynamics.

Finally **Ms.V.Shiva Sankari** expressed her judgement as words in the digital screen fills the eyes but words in the pages of books fills the heart and delivered the vote of thanks.

6.2.15   Constitution Day - National Essay Writing Competition - Participation

The Government decided to observe the 26th November as Constitution Day, on this day in 1949, the Indian Constitution was adopted which came into force on January 26, 1950 marking the beginning of a new era in the history of India.

The Constitution Day will be a part of year-long nationwide celebrations starting from 26 November 2019 during which number of activities with special emphasis on Fundamental Duties have been planned by UGC throughout the year with active participation of Higher Educational Institutions.

The Department of Higher Education, Ministry of HRD, in association with UGC and NTA, is organizing 11 rounds of National Essay Writing Competition as part of the year-long Fundamental Duties Awareness campaign of Govt. of India to commemorate the 70th year of adoption of our Constitution.

There will be one National Essay Competition every month, based on one Fundamental Duty. In this regard, the following students had participated in the 3rd National Essay Writing Competition on March 26, 2020 through online.

Sl. No.	Application No.	Roll No	Full Name	Dept.
1	1130211701	202266553	Ajay Balaji, S.	IV - IT
2	8781980861	202266552	Anna Poorani, G.	III - CSE
3	3649963682	202266546	Jaishree, M.	III - IT
4	6517912051	202266548	Jeya Lakshmi, S.	III - IT
5	3541643764	202266547	Kayathri, M.	III - IT
6	6030285260	202266549	Lakshmi, V.	III - IT
7	0792511406	202266551	Arjmand Banu, M.	III - CSE
8	3841229358	202266545	Manjula Devi, P.	III - IT
9	3841495328	202266543	Maria Infant Roshaliya Fernando, P.	III - IT
10	0320559032	202266544	Raja Priya, K.	III - IT
11	9945721880	202266554	Rajesh Kannan, L.	IV - Civil
12	8772581849	202266556	Jeya Ramani, S. M.	II - CSE
13	9929106014	202266558	Sabu Verma	II - IT
14	0228012085	202266550	Shyamala Bharathi, E.	III - CSE
15	8261277871	202266589	Vasanthapriya, S.	II - ECE
16	0554796710	202266555	Venkatesh, M.	IV - CSE

The Director, the Principal, Department Heads and faculty members congratulated all the students for their participation & success in the National Essay Writing Competition.

6.3 Readers Park Member's Award & Achievements

6.3.1 Hillgrove: All India Poetry Contest Winner

NEC Readers Park member Ms. S. Suji (1912030) I B.E. – C.S.E., had participated in the "Hillgrove: All India Poetry Contest" during June 2020 conducted by the Hillgrove Research Pvt. Ltd., Coimbatore. She has bagged FIRST PLACE in National level and the written poem will be published in a book with ISBN.

6.3.2 Constitution Day - National Essay Writing Competition Winner

NEC Readers Park member Ms.E.Shyamala Bharathi (1712102) III B.E. - C.S.E., had participated in the "Constitution Day - National Essay Writing Competition [3rd Essay Competition]", conducted by the **National Testing Agency** on 26 February 2020, in collaboration with UGC & Ministry of HRD. She has scored 96 out of 100 and bagged FIRST RANK with Cash prize ₹ 15,000/- (Rupees fifteen thousand only) in all India level.

6.3.3 Student Author

Ms.L.Nishanthi, III year ECE student had written a book titled 'Pattappagalilor Nettaikkanavu: Vidiyalai Nokki' a Tamil Kavithai book which was published by Readers Park, Central Library, National Engineering College on 07 February 2020 at the College Auditorium.

Chief Guest, Dr.R.Nantha Gopal, I.A.S., Labour Commissioner, Government of Tamil Nadu had released Pattappagalilor Nettaikkanavu: Vidiyalai Nokki book and the first copy of the book were received by Thiru.K.R.Arunachalam, Correspondent, National Engineering College.

6.3.4 HEARTFULNESS Essay Event - 2019

NEC Readers Park member Mr.K.Vaidyanathan I B.E. - C.S.E., had participated in the "All India Essay Writing Event 2019" organized by Shri Ram Chandra Mission United Nations Information Centre and the Heartfulness Education Trust during August 2019.

6.4 Readers Park - Organizational Setup

Advisors	:	Dr. S. Shanmugavel, Director, NEC		
		Dr. K. Kalidasa Murugavel, Principal, NEC		
Convener	:	Dr. S. Tamil Selvi, Prof. & Dean (Academic)		
Coordinators	:	Dr. K. Karunai Raghavan, Librarian		
		Ms. S. Jeba, Soft Skill Trainer		
		Mr. R.T.Karthick, Faculty (Competitive Exams)		
		Mr. T. Rajan, Assistant Librarian		
President	:	Mr. K. R. Praveen Krishna	-	IV – Mech.
Vice Presidents	:	Ms. S. Subaranjani	-	IV – Civil
		Ms. J. Janofer Ibrahima	-	IV – CSE
		Ms. K. Preetha	-	IV – ECE
		Ms. L. Nishanthi	-	III – ECE
		Mr. P. Melchisetec Samuel	-	III – Mech.
		Ms. T. A. Nanthini	-	III – ECE
Secretary	:	Mr. R. Vigneshwaran	-	IV – CSE

Joint Secretaries	:	Ms. P. V. Gayathri	-	IV – CSE
		Ms. S. V. Vijayalakshmi	-	IV – ECE
		Mr. S. Guru Vasanth	-	III – Mech.
		Mr. N. Aagash	-	III – Civil
		Mr. Stephen S. Billigraham	-	III – Mech.
		Ms. R. Roshini	-	III – ECE
Treasurer	:	Ms. T. Dhanalakshmi	-	IV – Mech.
PRO	:	Ms. B. Lakshmi	-	IV – IT
Executive Members	:	Ms. G. Vijayalakshmi	-	IV – EIE
		Ms. S. S. Ayswariah	-	IV – EIE
		Ms. S. Alaguparvathi	-	IV – CSE
		Ms. B. Ponmani	-	IV– CSE
		Mr. A. Sankara Ramanathan	-	IV – CSE
		Mr. M. Mandhira Moorthi	-	IV – CSE
		Mr. P. Karthick Raja	-	IV – CSE
		Ms. R. Dhanalakshmi	-	IV – CSE
		Ms. S. Dhanalakshmi	-	IV – ECE
		Ms. S. Guru Bharathi	-	IV – ECE
		Ms. A. Apsara	-	IV – ECE
		Ms. R. Ramya Devi	-	IV – ECE
		Ms. B. Vivek Krishna	-	IV – Civil
		Ms. R. Thanga Dhaya	-	IV – EIE
		Ms. E. Shyamala Bharathi	-	III – CSE
		Ms. K. K. Bamini	-	III – Civil
		Mr. A. Mohamed Arif	-	II – CSE
		Ms. C. Brindha	-	II – IT
		Ms. S. Mugila	-	II – Civil
		Ms. P. Sanmathi	-	II – Civil
		Ms. V. Shiva Sankari	-	I – IT
		Ms. N. Abinaya	-	I – Civil
		Mr. C. A. Narain	-	I – CSE
		Mr. K. Vaidyanathan	-	I – CSE
		Mr. T. N. Ragul	-	I – CSE
		Ms. A. Subitsha	-	I – ECE
		Ms. S. Suji	-	I – CSE
		Ms. G. Vasuki	-	I – EEE
		Ms. R. Bagawathi	-	I – IT
		Mr. M. Ram Kumar	-	I – CSE
		Ms. P. Vidhya	-	I –ECE

7. Support to the Students for Self Learning & Extension Services /Activities:

Self Learning can be challenging, even for the brightest and most outstanding students. Students need various skills and attitudes towards learning for successful independent / self-learning study. In this regard, NEC Central Library had established Quality Improvement Cell (QIC) under the guidelines of Anna University, Chennai.

7.1 Quality Improvement Cell (QIC):

Since 2014, through Quality Improvement Cell (QIC), the faculty members and students are exposed to various resources such as SWAYAM NPTEL, IIT Madras, FOSS Courses, Spoken Tutorial, IIT Bombay and other video courses etc. for the improvement in Teaching and Learning processes.

7.2 SWAYAM NPTEL, IIT Madras:

NPTEL, IIT Madras has been offering self-study courses across engineering, humanities and science streams for more than a decade. These are available at *http://nptel.ac.in.* From March 2014, NPTEL has been offering online certification for its courses, the highlight being the certification exam through which the student gets an opportunity to earn a certificate from the IITs! These are available at *https://onlinecourses.nptel.ac.in.*

SWAYAM NPTEL Local Chapter @ NEC

NEC associated with NPTEL IIT Madras and to take this initiative forward and to encourage more students and faculty members across the colleges to participate in the SWAYAM NPTEL online certification courses. NPTEL, IIT Madras has set up SWAYAM-NPTEL Local chapter in colleges. *https://nptel.ac.in/LocalChapter/.* In NEC, Dr.K.Karunai Raghavan, Librarian of the college, acted as Single Point of Contact (SPOC).

NPTEL Local Chapter 'A' Rating

SWAYAM NPTEL, IIT Madras has recognized our College as a valuable NPTEL Local Chapter with a rating of 'A' based on the performance in NPTEL Online Certification courses during July – December 2019. [Rating of NPTEL Local Chapter : AAA (1-10), AA (11–50) and A (51-100)]

Dr.K.Karunai Raghavan, Librarian has received top performing 'SWAYAM NPTEL Local Chapters' with a rating of 'A' Citation from Prof. Bhaskar Ramamurthy, Director, IIT Madras on January 25, 2020.

SWAYAM NPTEL Toppers: Jul. – Dec. 2019 Session

Faculty members and Students have been regularly attending the SWAYAM NPTEL Online courses regularly to update their knowledge in the relevant field. The following faculty members have attained SWAYAM NPTEL online exam toppers during the period Jul. – Dec. 2019.

Bioinorganic Chemistry	Introduction to Internet of Things	Reinforced Concrete Road Bridges	Product Design Using Value Engineering
Dr.B.Annaraj, AP / S&H, 96% 5% Topper	Naskath, J. AP(SG) / CSE, 94% 1% Topper	Franchis David, M. AP / Civil, 91% Elite + Gold	Geetha, A. AP(SG) / EIE, 90% 2% Topper

Intro. to Environmental Engineering & Science Fundamental and Sustainability Concepts	Introduction to Internet of Things	Ethics in Engineering Practice	Power Electronics	Advanced Concrete Technology
Chithiraikumar, S. AP / S&H, 87% 5% Topper	Dr.M.Bhuvaneswari, AP(SG) / CSE, 84% 5% Topper	Anitha, V. AP / IT, 83% 1% Topper	Sankara Kumar, S. AP(SG) / EEE,77% Topper	Sivasankar, R. AP / Civil, 66% 5% Topper

The following students have attained the SWAYAM - NPTEL online exam Toppers during the period July - December 2019.

Developing Soft Skills and Personality	
Karthika, A. I - B.E. - ECE, 93% 2% Topper	Subitsha, A. I - B.E. - ECE, 90% 5% Topper

SWAYAM NPTEL Results during Jul. – Dec. 2019 (Course wise)

Sl. No.	Name of the Course	Appeared	Certified
1	Advanced Concrete Technology	6	5
2	Advanced Linear Continuous Control Systems: Applications with MATLAB Programming and Simulink	1	1
3	Basic Electric Circuits	3	1
4	Bioinorganic Chemistry	2	2
5	Biomicrofluidics	1	1
6	Body language: Key to professional Success	1	1
7	Deep Learning	1	0
8	Design for Quality, Manufacturing and Assembly	1	1
9	Design of Reinforced Concrete Structures	33	23
10	Design of steel structures	1	1
11	Developing Soft Skills and Personality	195	156
12	Digital Circuits	24	21
13	Digital Image Processing	1	1
14	Electrical Measurement and Electronic Instruments	1	1
15	Energy Conservation and Waste Heat Recovery	1	0
16	Ethics in Engineering Practice	1	1
17	Fluid Machines	1	1
18	Fluid Mechanics	8	5
19	Foundation Engineering	1	1
20	Fundamentals Of Artificial Intelligence	1	1
21	Fundamentals of Electrical Engineering	1	1
22	Fundamentals of electronic device fabrication	1	1
23	Fundamentals of manufacturing processes	2	2
24	Fundamentals of Surface Engineering Mechanisms Processes and Characterizations	1	1
25	Genetic Engineering Theory and Application	1	1
26	Geosynthetics Testing Laboratory	1	1
27	Geotechnical Engineering Laboratory	17	17
28	GPS Surveying	35	4
29	Hardware modeling using verilog	1	1
30	Higher Engineering Mathematics	1	1
31	Industrial Safety Engineering	1	1
32	Interpersonal Skills	2	2

33	Introduction to Abstract and Linear Algebra	1	1
34	Introduction to Environmental Engineering and Science Fundamental and Sustainability Concepts	1	1
35	Introduction to Internet of Things	7	7
36	Introduction to Operating Systems	1	1
37	Introduction to Research	3	3
38	Irrigation and Drainage	22	12
39	Management Accounting	1	1
40	Manufacturing of Composites	3	2
41	Microwave Theory and Techniques	2	2
42	Nanotechnology, Science and Applications	2	2
43	Physics of Materials	1	1
44	Power Electronics	1	1
45	Principles of Communication Systems Part II	2	2
46	Principles of Metal Forming Technology	1	1
47	Principles of Modern CDMA MIMO OFDM Wireless Communications	1	1
48	Product Design Using Value Engineering	2	2
49	Programming in C++	1	0
50	Programming In Java	1	1
51	Programming, Data Structures And Algorithms Using Python	1	0
52	Project management for managers	1	1
53	Project Planning & Control	2	1
54	Psychology of Everyday	1	1
55	Python for Data Science	4	4
56	Reinforced Concrete Road Bridges	1	1
57	Stereochemistry	1	1
58	Structural analysis I	3	2
59	Structural Dynamics for Civil Engineers SDOF systems	1	0
60	Switching Circuits and Logic Design	1	1
61	Technical english for engineers	188	175
62	The Joy of Computing using Python	30	13
63	Thermal Processing of Foods	1	1
64	Wastewater Treatment and Recycling	1	1
65	Waves and Oscillations	1	1
66	Welding Metallurgy	1	1
Total		**639**	**502**

SWAYAM NPTEL Results during Jul. – Dec. 2019 (Dept. wise)

Sl. No.	Dept.	Appeared	Certified	Parti cipated	Success	Elite	Elite + Silver	Elite + Gold	Toppers
1	S & H	399	341	58	116	186	36	3	4
2	Civil	147	79	68	43	25	9	2	2
3	E.C.E.	38	36	2	15	12	9		
4	Mechanical	17	15	2	7	3	5		1
5	C.S.E.	13	10	3	1	4	4	1	2
6	E.E.E.	12	11	1	3	7	1		1
7	E.I.E.	8	6	2	1	2	2	1	1
8	I.T.	5	4	1	1	2	1		1
	Total	**639**	**502**	**137**	**187**	**241**	**67**	**7**	**12**

NPTEL SPoCathon:

NPTEL, IIT Madras had conducted an online event on **SPoCathon** and **Why NPTEL contest** to crowd source content, from the faculty across Local Chapters, to augment NPTEL course content.

Event 01: SPoCathon 01:

The following faculty members as a team participated in the NPTEL SPoCathan-01:

Team - 1:

Course: **Introduction to Internet of Things**

Members: 1. Ms.M.Bhuvaneswari, AP (SG) / CSE

2. Ms.J.Naskath, AP (SG) / CSE

3. Ms.M.Manochitra, AP / CSE

4. Mr.S.Dheenathayalan, AP / CSE

Team - 2:

Course: **Advances in UHV Transmission and Distribution**

Members: 1. Mr.M.Bakruteen, AP (SG) / EEE

2. Mr.B.Vigneswaran, AP (SG) / EEE

3. Mr.K.Kumar, AP / EEE

Our Faculty members have participated in the SPOCATHON – 01 event, held as part of content augmentation effort on 17th May 2020.

Event 02: Why (or why not) NPTEL - Contest

Evaluate the NPTEL's Strengths Weaknesses Opportunities and Threats contest. Comparative NPTEL online courses to other MOOC courses contest. i.e. with courses like Coursera, Udacity, EdX, FutureLearn.

Mrs.B.Shunmugapriya, AP/CSE had participated in Why (or why not) NPTEL contest on 27th May 2020. [Comparison Course: NPTEL: Introduction to Internet of Things VS Coursera: Introduction to Internet of Things and Embedded System].

Event 03: SPoCathon 02:

The following faculty members as a team participated in NPTEL **SPoCathan - 02**:

Team - 1:

Course: **Reinforced Concrete Road Bridges**

Members: 1. Mr.S.Sebastin, AP/Civil

                      2. Mr.M.Franchis David, AP/Civil

                      3. Mr.V.Arulpandian, AP/Civil

                      4. Mr.R.Sivasankar, AP/Civil

Team - 2:

Course: **Principles of Signal Estimation for MIMO / OFDM Wireless Communication**

Members: 1. Dr.S.Tamil Selvi, Prof./ECE & Dean (Academic)

                      2. Mr. C.Balamurugan, AP(SG)/ECE

                      3. Mr. M.Sathishkumar, AP/ECE

Our Faculty members have participated in the SPOCATHON – 01 event, held as part of content augmentation effort on 13th June 2020.

7.3   FOSS Courses, Spoken Tutorial, IIT Bombay conducted Workshops / Training & Online Test:

NEC Central Library organized various FOSS workshops and training programmes offered by the Spoken Tutorial, IIT Bombay during the period between June 2019 to May 2020 funded by NMEICT, MHRD, Government of India, coordinated by Dr. K. Karunai Raghavan, Librarian.

✓ Mr.G.Pandiyarajan AP/IT, served as organizer for FOSS Workshop on 'C / C++' through Spoken Tutorial, IIT Bombay on September 03, 2019. Nearly 100 students participated.

✓ Mr.S.Cammillus, AP(SG)/ECE, served as an organizer for FOSS Workshop on 'LINUX' through Spoken Tutorial, IIT Bombay on September 04, 2019. Nearly 57 students participated.

- ✓ Mr.S.Chidambaram, AP(SG)/IT, served as an organizer for FOSS Workshop on 'JAVA' through Spoken Tutorial, IIT Bombay on September 05, 2019. Nearly 98 students participated.

- ✓ Mr.V.Jackins, AP(SG)/IT, served as an organizer for FOSS Workshop on 'PHP and MySQL' through Spoken Tutorial, IIT Bombay on December 09, 2019. Nearly 67 students participated.

- ✓ Dr.V.Sivakumar AP/CSE, served as an organizer for FOSS Workshop on 'Blender' through Spoken Tutorial, IIT Bombay on December 10, 2019. Nearly 62 students participated.

- ✓ Ms.J.E.Jeyanthi, AP/ECE, served as an organizer for FOSS Workshop on 'Arduino' through Spoken Tutorial, IIT Bombay on December 11, 2019. Nearly 80 students participated.
- ✓ Mr.G.Pandiyarajan, AP/IT, served as an organizer for FOSS Workshop on 'Advanced C++' through Spoken Tutorial, IIT Bombay on December 16, 2019. Nearly 50 students participated.

✓ Mr.S.Vimal, AP(SG)/IT, served as an organizer for FOSS Workshop on 'Python' through Spoken Tutorial, IIT Bombay on December 17, 2019. Nearly 44 students participated.

✓ Mr.S.Sebastin, AP/Civil, served as an organizer for FOSS Workshop on 'QCAD' through Spoken Tutorial, IIT Bombay on December 18, 2019. Nearly 55 students participated.

FOSS, Spoken Tutorial, IIT Bombay – Online Assessment Test

✓ Free and Open Source Software (FOSS) Online Assessment test was conducted through Spoken Tutorials, IIT Bombay during June 2019 - May 2020 & the details were given below:

Sl. No.	Name of the FOSS Course	Date	Name of the Invigilator	No. of Students Appeared	No. of Students Certified
1	C/C++	16.09.2019	Dr.K.Karunai Raghavan, Librarian	109	102
2	JAVA	17.09.2019	Mr.V.Jackins, AP (SG) / IT	108	88
3	Linux	19.09.2019	Ms.J.E.Jeyanthi, AP / ECE	45	44
4	PHP & MySQL	21.01.2020	Dr.S.Vimal, AP (SG) / IT	81	75
5	Blender	22.01.2020	Dr.K.Karunai Raghavan, Librarian	70	67
6	Arduino	03.02.2020	Dr.K.Karunai Raghavan, Librarian	11	11
7	Advanced C++	04.02.2020	Mr.S.Cammillus, AP(SG)/IT	75	57
8	Python	10.02.2020	Mr.V.Jackins, AP (SG) / IT	27	27
9	QCAD	12.02.2020	Mr.S.Daniel Raj, AP / Civil	66	64
Total				592	535

HIGHLIGHTS (Academic Year 2019 – 2020)

- The Library has a rich collection of 61236 volumes of books and 24182 titles, 130 National Journals and Technical Magazine, 3476 Back volumes, 2143 e-books, 3317 CDs, 4994 project reports and 20 newspapers (both English & Tamil).
- Central Library has the subscription of IEEE (ASPP) and Elsevier (Science Direct) online journals with remote access and Institutional members of DELNET and NDLI.
- The Central Library is kept open throughout the year except for government Holidays (Weekdays 08.30 a.m. to 07.30 p.m. & Sundays 09.30 a.m. to 01.00 p.m.)
- Open Access System is followed.
- NEC Central Library Readers Park conducted many events / activities like debates, competitions and various talks to promote reading habit by better utilization of Library resources.
- Ms.L.Nishanthi, III year ECE student had written a book titled 'Pattappagalilor Nettaikkanavu: Vidiyalai Nokki' a Tamil Kavithai book which was published by Readers Park, Central Library, National Engineering College on 07th February 2020 during the Book Launch Ceremony held at the College Auditorium. Chief Guest, Dr.R.Nantha Gopal, I.A.S., Labour Commissioner, Government of Tamil Nadu had released the book and the first copy of the book was received by Thiru.K.R.Arunachalam, Correspondent, National Engineering College.
- NEC Readers Park member Ms.E.Shyamala Bharathi (1712102) III B.E. - C.S.E., had participated in the Constitution Day - National Essay Writing Competition [3rd Essay Competition], conducted by the National Testing Agency on 26th February 2020, in collaboration with UGC & Ministry of HRD. She has scored 96 out of 100 and bagged FIRST RANK with Cash prize 15,000/- (Rupees fifteen thousand only) in all India level.

SWAYAM NPTEL, IIT Madras:

Period	Appeared	Certified	Success	Elite	Elite + Silver	Elite + Gold	Toppers
Jul – Dec 2019	639	502	187	241	67	7	12

FOSS Courses, Spoken Tutorial, IIT Bombay:

Period	Trained	Appeared	Certified
June 2019 - May 2020	613	592	535

NATIONAL ENGINEERING COLLEGE

(An Autonomous Institution, Affiliated to Anna University, Chennai)

K.R.Nagar, Kovilpatti – 628 503, Thoothukudi District.

https://nec.edu.in/

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B.E. - Computer Science and Engineering*
B.E. - Electrical and Electronics Engineering*
B.Tech. - Information Technology *
B.E. - Civil Engineering

M.E. - Energy Engineering
M.E. - Embedded Systems Technologies
M.E. - Computer Science and Engineering
M.E. - High Voltage Engineering
M.Tech. - Information Technology
       (Information & Cyber Warfare)