CENTRAL LIBRARY BULLETIN

ACADEMIC YEAR 2018-2019

Estd : 1984

NATIONAL ENGINEERING COLLEGE

(An Autonomous Institution, Affiliated to Anna University, Chennai)
K.R.Nagar, Kovilpatti – 628 503, Thoothukudi District

NEC Central Library Bulletin

- Academic Year 2018 - 2019

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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

Publications

CENTRAL LIBRARY
National Engineering College
(An Autonomous Institution)
K.R.Nagar, Kovilpatti – 628 503
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Thothukudi District, Tamil Nadu

May 2019

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From the Correspondent's desk

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

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

NEC focuses on making Great Engineers to the society by imparting ethical values, quality education, 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 readers park continuously encourages reading as a regular habit among the students - that is the engineers of tomorrow.

I heartily bless good wishes to all the members of Readers Park and Central Library for their intense effort on the release of the 3rd Central Library Bulletin.

(K.R.Arunachalam)
Correspondent

1. National Engineering College (NEC)

National Engineering College is set amidst sylvan surroundings against a 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 five 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 that is recognized as world class. The college offers seven under-graduate and five post graduate programs in a wide range of disciplines.

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 the knowledge hub for the academic activities of our institution with a mission to provide knowledge gateway to the user community with the state of the art technologies.

A fully air-conditioned modern Library building is housed in an area of 3911 sq. m. enabled with wi-fi technology and covered with Closed Circuit Television System (CCTV). All the services have been automated with modern line and also Open Access System is being followed. In addition to the well stocked Library, each branch of NEC have their own departmental Library to facilitate easy access to the Faculty, Students and Research Scholars.

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, International Journals and Technical Magazines are available and 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 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 availability of library resources viz. Books, Journals, CD/DVDs, Back volumes and project reports.

- An ***A.V.Hall*** (Audio & Video Section) has been established 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.

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

e-LMS that customizes the content for NPTEL Videos and our College contents such as e-journals, e-books and e-question banks etc.

- ✓ It can access NPTEL videos through a web interface from Library without connecting to internet and also contains a HTTP video streaming facility.
- ✓ NPTEL Videos are indexed in this LMS and can be searched with various keywords.
- ✓ It can also provide federated search in *Science Direct and IEEE online journals*, e-Books, e-Question banks etc. In addition to that, e-LMS offers the facility for GATE materials in ECE & CSE. [*URL: https://nec.edu.in/e-learning/*]

3.1 e - Library

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

e - Journals

Central Library has subscribed the following e-Journals:

Science Direct: Elsevier AICTE package covered 338 Engineering and Computer Science Online journals articles + back files access from 2000 onwards through *https://www.sciencedirect.com/science/journals.* Online access to the content will be provided on the Science Direct platform and will be accessible via our institution's IP addresses.

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

- 152 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.

3.2 DELNET (Developing Library Network)

Central Library is an Institutional member of DELNET (since 2004) 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.

3.3 National Digital Library of India (NDLI)

MHRD under its NMEICT has initiated the National Digital Library of India (NDLI) pilot project to develop a framework of virtual repository of learning resources with a single-window search facility. Filtered and federated searching is employed to facilitate focused searching so that learners can find out the right resource with least effort and in minimum time.

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

4. Awareness workshop on 'IEEE Xplore Digital Library'

Conducted a IEEE awareness workshop on 'IEEE Xplore Digital Library' at NEC Central Library on March 14, 2019. Dr.S.Tamil Selvi, Professor & Head, ECE-PG & Library Officer, welcomed the gathering, Mr.T.S.Nanda Lal, Training Manager, IEEE & EBSCO Information Services, South India has acted as Chief Guest, and explained the IEEE Xplore Digital Library. This workshop was concluded with the vote of thanks given by Ms.K.Preetha, III - ECE. Dr.K.Karunai Raghavan, Librarian coordinated the entire event in a successful manner. Nearly 111 students from various departments participated in the event.

5. Best Librarian Award

Dr.K.Karunai Raghavan, Librarian, has received the 'Best Librarian Award' for his academic excellence in Library and Information Science Profession having adjudged during the academic year 2018 – 2019 from Nature Science Foundation, Coimbatore at PSGR Krishnammal College for Women, Coimbatore on February 09, 2019. [*Award Received from Prof.Dr.K.Murugan, Vice Chancellor, Thiruvalluvar University, Vellore, Tamil Nadu*]

6. Readers Park

Reading is creative, mind expanding, adventurous and exciting activity. Through reading we can experience what it is like to be somebody else in a different age, culture, in a different society, another part of the world, 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. No restricted number for the membership.

Gathering

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

- ✓ Presentation will be on the information about 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 in all the fields.

Review Meetings

Readers Park executive committee members review meetings were held seven times at Central Library during the Academic Year 2018 – 2019.

- ✓ 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 actively participated in this meeting and came up with different innovative and peculiar ideas, so as to improve the participation in Readers Park.

NEC Readers Park conducted the following events and activities during the Academic Year 2018 - 19 at Central Library.

6.1 Technical Presentation

Technical presentations serve engineering, scientific and high tech purposes, describing advances in technology, problem resolution, product design and project status.

In this Connection, NEC Readers Park conducted technical presentation on Blockchain Technology and E-Ball on June 28, 2018 by 4.50 p.m. at Central Library.

The welcome address to the gathering and the participants of the events was given by Mr.K.Karunai Raghavan, Librarian

Ms.J.Janofer Ibrahima and Ms.V.Jeyavani of III - CSE students explained about Blockchain Technology. Blockchain Technology: A blockchain is a digital record of transactions. The name comes from its structure, in which individual records, called blocks, are linked together in single list, called a chain. Blockchains are used for recording transactions made with cryptocurrencies, such as Bitcoin, and have many other applications.

Mr.P.Karthick Raja and Mr.M.Manthira Moorthy of III - CSE students expalined about E-Ball. E-Ball is a sphere shaped computer which is the smallest in design among all the desktops and laptops. E-ball has all the traditional features of computer system such as keyboard, mouse, DVD, etc. but in a very innovative way.

Both the presentations were welcomed by the audience who eagerly took part and questioned about the content. The queries were well explained by the participants. Nearly twenty four students had actively participated in the event and learnt new technology. The event was concluded with the vote of thanks given by Ms.M.T.Raagavi of IV - Civil. Mr.R.Vigneswaran of III - CSE coordinated the entire event in a successful manner.

6.2 Career Development Class

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 6.30 p.m.

- ✓ From July 16, 2018 onwards in odd semester
- ✓ From January 7, 2019 onwards in even semester

Nearly 59 students participated on their own interest.

6.3 Book Talk

The purpose of a book talk is to motivate readers in order to foster good reading, writing and speaking skills by encouraging self-directed learning through reading.

A book talk in the broadest terms is what is spoken with the intent to convince someone to read a book. It is not a book review, a book report, or a book analysis. The book talker gives the audience a glimpse of the setting, the characters, and/or the major conflict without providing the resolution or denouement.

Book talks attempt to make readers care enough about the content of the book to read it. Our members talked about the books in five to seven minutes on July 12, 2018 at Central Library.

The welcome address for the gathering was given by Mr.M.Manthira Moorthy, III - CSE. Mr.B.Vivek Krishna, III - Civil shared his experience and rejoice about the book 'Seven Habits of Highly Effective People'. He highlighted that the qualities of six habits will be strengthened by the seventh habit.

Mr.M.Manthira Moorthi, III - CSE spoke about any Habit if properly continued for 21 days it becomes a routine then after.

The discussion prolonged about 'Water Purifier using Corn Waste' on which Indian girls competed on a science exhibit contest and got selected in Google.

Nearly eighteen members had actively participated in the event. Vote of Thanks for the day was given by Ms.R.Dhanalakshmi, III - CSE.

6.4 Intellectual Talk

'Intellectual Talks' make us to think impersonally about things which are usually subtle, not easily perceived by the common people, to observe things impartially with a perfect rational way to find invaluable gem like truths.

July 19, 2018 Readers Park conducted a programme on Intellectual Talks. Nearly fourteen members actively participated in the talk.

The welcome address to the gathering and the information about the participants of the events was given by Ms.R.Christal Sophia, IV - Civil. The event took place in the presence of Mr.V.Jackins, AP/IT and Mr.S.Vimal, AP(SG)/IT.

- ✓ Ms.G.Selva Gomathi, IV - CSE spoke about 'Mei Niyanam' and in her talk, she explained about the evolution of world and the reason for ritual practices that are being followed in temples.
- ✓ Mr.K.R.Praveen Krishna, III - Mech. explained about the 'Gravitational Waves' and briefly discussed about the Science and Technology behind it.
- ✓ Mr.R.Vivek, III - Civil, spoke about 'Subconscious Memory Power'.

The event ended with the vote of thanks given by Ms. P.V.Gayathri, III - CSE.

6.5 Expertise Talk

The Readers Park facilitated the presenters to present on the topic of their own choice and interest, the joy of technology in an exclusive celebrate in 'Expertise Talk'. The celebration was held on July 26, 2018 at Central Library.

Ms.V.Subhawinya, IV - IT welcomed the gathering, and the following members have shared their thoughts on expertise talk:

- Ms.S.Kausalya, IV - CSE
- Ms.R.Anushri, IV - Civil
- Ms.M.T.Raagavi, IV - Civil
- Ms.R.Priyadharshini, IV - IT
- Mr.R.Vigneshwaran, III - CSE
- Ms.D.Subhawinya, IV - IT

Mr.K.Karunai Raghavan, appreciated all the participants and suggested some improvements in all aspects so as to build themselves to deliver a flawless presentation in the days to come. Ms.V.Padma Priya, IV - IT proposed the vote of thanks. Nearly thirteen members had actively participated in the event.

6.6 Effect of Reading

The Reading's mission is to inspire more people to read more, to encourage them to share their enjoyment of reading with others and to ensure the changes in our mind when we read.

Having welcomed the members of the Readers Park, Mr.K.Karunai Raghavan, Librarian gave an oration about reading and its importance on August 02, 2018 at Central Library.

Followed by him, Mr.K.R.Praveen Krishna, III - Mech. spoke on 'effect of reading in my life' and he quotes that he successfully made many of his friends read daily. Then Mr.B.Vivek Krishnaa, III - Civil talked about 'My Vision - Before and after Reading, Became as a Habit'. He zealously explained about his experience towards reading as his passion.

On hearing the speaker's words the Readers Park's office bearers happened to have an aroma of reading. All were highly inspired about reading and made a promise to make reading as a good habit. The event was concluded by 6.10 p.m. with the vote of thanks by Ms.S.Dhanalakshmi, III - ECE. Nearly sixteen members from various departments had actively participated.

6.7 National Librarian's Day Celebration

Siyali Ramamrita Ranganathan (12 August 1892 – 27 September 1972) was a Mathematician and Librarian from India. He is the father of Library Information Science in India and is widely known throughout the world for his fundamental thinking in the field. His birthday is observed every year as the National Librarian's Day in India.

In this Connection, NEC Readers Park celebrated the National Librarian Day with the theme 'வாசிப்பை நேசிப்போம்' at Central Library by 2.00 p.m. on August 13, 2018.

Ms.J.Janofer Ibrahima, III - CSE welcomed the gathering. Ms.R.Anushri and Ms.M.T.Raagavi of IV - Civil students coordinated the event.

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

Debate title: Do we still need Libraries?

Judges : Dr.S.Tamil Selvi, HOD, ECE – PG and Mr.S.Cammillus, AP (SG) / ECE.

–	Gokul Kannan, M.	–	Priyadharshini, R.
–	Karthick Raja, P.	–	Janofer Ibrahima, J.
–	Manthira Moorthi, M.	–	Dhanalakshmi, R.
–	Meenakshi, C.	–	Mukesh Kumar
–	Ponmani, B.	–	Praveen Krishna, K.R.
–	Velrajan, A.	–	Gowshik Kumar, G.
–	Subhawinya, D.	–	Alaguparwathi, S.
–	Thivya, J.	–	Gayathri, P.V.
–	Vigneshwar, K.S.	–	Vigneshwaran, R.

Mr.K.Karunai Raghavan, Librarian had encouraged all the speakers for their efforts. And he made a remark on how a professional debate has to be, highlighting proper order such as history, evolution, development, present trends, future scope, advancements, etc. During presentation nearly twenty one students from various departments attended the event.

6.8 What about Good Reading

Reading is fun: From the first experience of chanting nursery rhymes, laughing at strange sounding words, and turning pages with an adult, reading offers a life - long pleasure.

Reading is unique: Where other media will deliver plot superbly well, books also allow you to get under the skin of the characters, and hear their thoughts.

Reading makes you feel good: It enhances health and well being. It can be relaxing and stress busting. It can take you out of yourself and away from life's pressures.

Reading helps you make sense of yourself: It gives you different perspectives on life, and can help you understand yourself better.

Reading connects to each other: It can help you see other points of view; it connects you to wider worlds and ideas.

Reading is a creative act: Readers use their own imaginations to bring the writer's text alive. Because reading fires the imagination. It can inspire one to produce his/her own creative work.

Reading leads to learning: Reading continually informs, and allows learning for life. It helps one to develop skills of literacy, interpretation and expression.

In this connection, NEC Readers Park members had a brief discussion about good reading in various aspects such books, novels, poems, etc. on August 27, 2018, 4.50 p.m. About seventeen members from various departments actively participated. Mr.K.Karunai Raghavan, Librarian, Mr.V.Jackins AP/IT and the members of Readers Park coordinated the entire event in a successful manner.

6.9 Readers Colloquia 2018

NEC Readers Park's organized Intra College Readers Colloquia 2018 held at NEC Auditorium on September 14 & 15, 2018.

As a writer needs a plot to develop, Readers Colloquia has its own idea and vision. Under the canopy of Readers Colloquia, the volunteers cum active members of Readers Park had planned and successfully conducted the following contests on September 14, 2018 that received overwhelming response from the participants.

Book Talk: *A book talk is a short presentation about a book with the goal of convincing other people to read it.*

Book talk competition was conducted by Ms.R.Anushri and Ms.M.T.Raagavi, IV Civil students. Dr.S.Tamil Selvi, Professor & Head, ECE-PG and Ms.A.Gayathri, AP/Civil had served as judges.

Winners are:	Ms.R.Vinitha	-	III - CSE	-	I Prize
	Mr.K.R.Praveen Krishna	-	III - Mech.	-	II Prize
	Mr.R.K.Aananth	-	III - Civil	-	III Prize

Slogan writing on reading: *Simple and catchy phrase accompanying that encapsulates a product's appeal or the mission of a firm and makes it more memorable.*

Slogan writing competition was conducted by Mr.R.Vigneshwaran and Mr.M.Manthira Moorthi, III CSE students. Mr.S.Vimal, AP (SG)/IT and Ms.C.Rajeswari, AP/S&H had served as judges.

Winners are:	Mr.S.M.Abdur Rahuman	-	II - Civil	-	I Prize
	Ms.M.Menaka	-	II - EEE	-	II Prize
	Mr.B.Barath Raj	-	II - Civil	-	III Prize

Extempore: *Think on your feet and speak confidently. Extempore is a stage performance which is carried out without preparation of any kind.*

Extempore was conducted by Ms.D.Subhawinya and Ms.V.Padma Priya IV – IT students. Mr.V.Jackins, AP/IT and Mr.S.Sebastin, AP/Civil had served as judges for extempore.

Winners are:	Mr.B.Santhiya	-	III - Civil	-	I Prize
	Mr.R.K.Aananth	-	III - Civil	-	II Prize
	Ms.V.Benisha	-	II - EEE	-	III Prize

Story Relay: *A good story can convey a message, entertain or ignite a fire within audience.*

Story relay was conducted by Mr.M.Gokul Kannan, IV - Civil and Mr.P.Karthick Raja, III - CSE. Dr.K.Shankar, Associate Professor/EIE and Mr.K.Karunai Raghavan, Librarian served as judges.

Winners are:	Ms.P.Sushmitha	-	IV - Civil	-	I Prize
	Ms.R.Vini Angelin	-	IV - Civil	-	I Prize
	Mr.B.Barath Raj	-	II - Civil	-	II Prize
	Mr.V.Chockalinga Raj	-	II - Civil	-	II Prize
	Mr.S.M.Abdur Rahuman	-	II - Civil	-	II Prize
	Ms.V.Benisha	-	II - EEE	-	III Prize
	Ms.M.Aruna Rani	-	II - EEE	-	III Prize
	Ms.M.Ananthi	-	II - EEE	-	III Prize

Poster Presentation: *With visual representation of ideas and thoughts, a forum to communicate to audience.*

Poster presentation competition was conducted by Ms.J.Janofer Ibrahima, III - CSE and Mr.K.R.Praveen Krishna, III - Mech. Dr.I.Sankar, AP(SG)/Mechanical and Mr.S.Cammillus, AP(SG)/ECE had served as judges.

Winners are:	Ms.M.Ananthi	-	II - EEE	-	I Prize
	Mr.K.S.Srenivasan	-	III - CSE	-	II Prize
	Mr.M.Madhan Kumar	-	II - CSE	-	III Prize

Nearly 75 students irrespective of departments turned in and recorded their active participation.

On the Second day: September 15, 2018

The Readers Colloquia 2018 inaugural function was held on September 15, 2018 by 10.15 a.m. at NEC Auditorium. It started with a prayer song and Ms.D.Subhawinya, IV - IT welcomed the gathering. During the inaugural function all the members had taken the Readers Park Oath.

Ms.R.Anushri, IV - Civil described about the Readers Park & Central Library. Ms.S.Dhanalakshmi, III - ECE described about Readers Colloquia 2018. The office bearers' introduction was given by Ms.S.V.Vijayalakshmi, III - ECE. Mr.K.R.Praveen Krishna, III - Mech. explained the forthcoming activities and action plan of Readers Park for the Academic Year 2018 – 19.

Director, Dr.Kn.K.S.K.Chockalingam released the Central Library Bulletin for Academic Year 2017-18 and Chief Guest Thiru.Erode Kathir received Bulletin (2017-18).

The presidential address was given by Principal, Dr.S.Shanmugavel and he motivated the students to read more books.

The felicitation address was given by Dr.S.Tamil Selvi. Mr.M.Gokul Kannan, IV - Civil gave the chief guest introduction.

Thiru.Erode Kathir has inaugurated the Readers Colloquia 2019 by Launching the video and delivered the Chief Guest address with his valuable and enthusiastic words.

Readers Colloquia 2018 first session was commenced by 11.30 a.m. at College Auditorium. In the first session named 'கற்க கசடற' he explained about the importance of reading. In Second Session 'சிறகு விரியட்டும்', he gave many ideas to improve the reading skills. The presentation ended by 3.55 p.m. Feedback were received from participants.

The certificate for active members of the Readers Park for the academic year 2017 – 18 and winners of Readers Colloquia 2018 competitions were given by the chief guest. Ms.J.Janofer Ibrahima, III - CSE proposed the vote of thanks and the function ended with the national anthem.

Nearly two hundred and twenty students from various departments attended the Readers Colloquia 2018. Mr.K.Karunai Raghavan, Librarian, NEC coordinated the entire function in a successful manner.

6.10 Career Development Camp

NEC Readers Park and Career Development Cell have jointly conducted Career Development Camp for the interested students for their Career Development during November 28 and December 01, 2018 from 10.00 p.m. to 4.00 p.m. at A.V.Hall, Central Library.

The following topics were covered:

- Career opportunities in Government Sector (Administrative Services)
- UPSC & TNPSC Exams preparations
- Explained syllabus for UPSC & TNPSC (Similarities & Difference)
- Cracking UPSC & TNPSC
- Questions Paper Analysis for UPSC & TNPSC for last five years
- Current Affairs Titbits (The Hindu & PIB Analysis)

All the classes were handled by Mr.R.T.Karthick, Faculty, Competitive Examinations and nearly 35 students actively participated in this event.

6.11 Techno Talk

To explore the joy of Technology, Readers Park organized an event Techno Talk. The event was scheduled on December 13, 2018 by 4.30 p.m. Ms.P.V.Gayathri, III-CSE welcomed the gathering.

The following members shared their thoughts on innovative techno talk:

Sl. No.	Name of Participants	Dept.	Topics
1	Ms.R.Anushri	IV - Civil	Paints and Coatings
2	Mr.R.Vigneshwaran	III - CSE	Think, Create Engineer
3	Mr.P.Karthick Raja	III - CSE	Google Applications
4	Ms.P.V.Gayathri	III - CSE	AI and Deep Learning
5	Ms.S.Alaguparvathi	III - CSE	Google Cycle
6	Mr.M.Manthira Moorthi	III - CSE	AI and Machine Learning
7	Mr.K.R.Praveen Krishna	III - Mech.	Smart India Hackathon
8	Ms.K.K.Bamini	II - Civil	Utilization of E-Waste in Construction

The members happily share their views and thoughts on above mentioned topics & technologies, which was really a amazing one. Ms.S.Dhanalakshmi, III - ECE proposed the vote of thanks. Dr.K.Karunai Raghavan, Librarian has coordinated the entire event in a successful manner and the celebration ended with the national anthem.

6.12 Importance of Books in our Life

NEC Readers Park has organized special talk about Importance of Books in our Life held on December 20, 2018, 04.00 p.m. at the Central Library. The special talk for the day was given by Mr.V.Jackins, AP/IT, Mr.S.Vimal, AP(SG)/IT and Dr.K.Karunai Raghavan, Librarian regarding the Importance of Books in our Life among the students through various examples. The members discussed about how personality of an individual, play an important role in their day to day life. Developing one's personality is essential. For that, one should be able to find out his/her own strengths and weakness and to know more about themselves.

All participated in the event enthusiastically. It was concluded with the discussion by the students on the importance of attitude, character, discipline and other life skills.

The meeting ended by 6.30 p.m. with the vote of thanks given by Mr.K.R.Praveen Krishna, III - Mech.

6.13 Debate on 'Are Books Better than the Internet?'

Debate is a form of discussion where a speaker presents his/her ideas either for or against the topic.The NEC Readers Park conducted Debate on Are Books Better than the Internet?. on January 03, 2019 by 4.15 p.m. Ms.S.Dhanalakshmi from III - ECE coordinated the event. The gathering was welcomed with a warm addressing given by Ms.R.Anushri IV - Civil. Dr.K.Karunai Raghavan, Librarian acted as the judge for the event.

Students from various departments participated inthe event. The list gives out the name of students participated.

Sl. No.	Name of Participants	Dept.
1	Ms.R.Anushri	IV - Civil
2	Ms.M.T.Raagavi	IV - Civil
3	Mr.R.Vigneshwaran	III - CSE
4	Mr.G.Gowshik Kumar	III - CSE
5	Ms.P.V.Gayathri	III - CSE
6	Ms.S.Alaguparvathi	III - CSE
7	Ms.T.Dhana Lakshmi	III - CSE
8	Mr.K.R.Praveen Krishna	III - Mech.
9	Ms.M.Menaka	II - EEE
10	Ms.K.K.Bamini	II - Civil
11	Ms.S.Dhanalakshmi	III - ECE
12	Ms.K.Preetha	III - ECE

The topic was given on the spot and the speakers did a good job in debating themselves turning to both the sides of the topic. The event ended by 6.20 p.m.

Mr.G.Gowshik Kumar, III - CSE, thanked the gathering. Thus, the event was successfully organised on the supervision of the coordinator and the cooperation of the Reader Park members.

6.14 Speech on their Own Interest

The members of Readers park were welcomed by Ms.S.Alagu Parvathi, III - CSE. In this event the students were asked to deliver a Speech on their own Interest on January 10, 2019, 4.00 p.m.

Mr.K.R.Praveen Krishna, III - Mech. initiated the event by interacting with the members and asked everyone about their project they are working on.

Dr.K.Karunai Raghavan motivated the students to work without fear and advised the students to do their work properly by quoting an story, also with some examples. The students actively interacted with him.

A short explanation about the Tamil months, festivals celebrated on each month and their reasons' was given by Ms.M.T.Raagavi, IV - Civil. The vote of thanks for the day was given by Ms.P.V.Gayathri, III - CSE.

6.15 Intra College Quiz - 2019

NEC Readers Park had conducted the Intra College Quiz – 2019 during January 29 – February 2, 2019 at Central Library. The following quizzes were scheduled in order to enhance the knowledge and to provoke the reading habits of students:

6.15.1 Newspaper Review Quiz – 2019 on January 29, 2019 at Central Library.

Quiz was conducted by Ms.P.V.Gayathri, III – CSE, Ms.S.Alagu Parvathi, III – CSE and Ms.M.T.Raagavi, IV - Civil. Dr.S.Tamil Selvi, HOD, ECE - PG, Ms.S.V.Vijayalakshmi, III - ECE and Dr.K.Karunai Raghavan, Librarian served as judges for Newspaper Review Quiz Competition. Vote of thanks proposed by Ms.K.Preetha, III - ECE.

I Prize	1.	Mr.I.R.Gowtham, III – ECE
	2.	Ms.R.Abineshwari Devi, III – ECE
II Prize	1.	Mr.S.Manikanda Prabhu, III – Mech.
	2.	Mr.G.Iyappan, III – Mech.
III Prize	1.	Mr.A.Mohamed Sharoon, III – Mech.
	2.	Mr.S.Irfan, III – Mech.
Participants	1.	Ms.A.Aarthi, III – CSE
	2.	Ms.R.Susma, III – CSE
	3.	Ms.M.Bhuvaneswari, III– CSE
	4.	Ms.S.Kavitha, III – CSE
	5.	Ms.S.Keerthana, III – CSE
	6.	Ms.P.Subashraja, III – EEE

6.15.2 Magazine Review Quiz – 2019 on January 31, 2019 at Central Library.

Quiz was conducted by Mr.K.R.Praveen Krishna, III – Mech. Dr.S.Tamil Selvi, HOD, ECE - PG, Dr.K.Karunai Raghavan, Librarian, Ms.K.Preetha, III - ECE served as judges for Magazine Review Quiz Competition. The quiz ended with the vote of thanks given by Ms.S.Dhanalakshmi, III - ECE.

I Prize	1.	Ms.R.Abineshwari Devi, III – ECE
	2.	Mr.I.R.Gowtham, III – ECE
II Prize	1.	Ms.K.Sharmila Devi, II – Civil
	2.	Ms.G.Thanuja, II – Civil
III Prize	1.	Mr.K.K.Bamini, II – Civil
	2.	Ms.S.K.Jeyashree, II – Civil

Participants	1.	Mr.S.R.Sivaramakrishnan, II – ECE
	2.	Mr.T.Rajesh Pandian, II – ECE
	3.	Mr.Stephen S.Billgraham, II – Mech.
	4.	Mr.P.Melchisedec Samuel , II – Mech.
	5.	Mr.A.Mohamed Sharoon, III – Mech.
	6.	Mr.S.Irfan, III – Mech.

6.15.3 Book Review Quiz – 2019 on February 2, 2019 at Central Library.

Quiz was conducted by Ms.R.Anushri, IV - Civil. Dr.K.Karunai Raghavan, Librarian, Mr.S.Cammillus, AP (SG)/ECE and Ms.S.V.Vijayalakshmi, III - ECE served as judges for Book Review Quiz Competition.

I Prize	1.	Mr.S.Manikanda Prabhu, III – Mech.
	2.	Mr.G.Iyappan, III – Mech.
II Prize	1.	Ms.A.Shanthi, II – ECE
	2.	Ms.S.Sasi Reka, II – ECE
III Prize	1.	Mr.M.Pravin, II – Mech.
	2.	Mr.A.Sakthi, II – Mech.
Participants	1.	Mr.B.Bharath Raj, II – Civil
	2.	Mr.S.S.Stephen, II – Civil
	3.	Mr.UNK.Ragavan, II – Civil
	4.	Mr.U.Chokalinga Raj, II – Civil
	5.	Mr.S.Hariharan, II – EEE
	6.	Mr.J.Jashva Sherin, II – EEE

All the quizzes were successfully completed with the vote of thanks given by Ms.R.Anushri, IV - Civil. Totally 94 students (47 teams) from various departments participated in the event.

Dr.S.Tamil Selvi, HOD, ECE - PG and Dr.K.Karunai Raghavan, Librarian coordinated the entire event in a very successful manner.

6.16 Technical Discussion

Technical discussion was conducted by Readers Park on February 21, 2018 at Central Library. Mr.R.Vigneswaran, III - CSE welcomed the gathering, followed by the session started with random discussion about ROBOTICS by the members from different perspective**.** Also they discussed about the impacts of METRO TRAIN in our society.

The following students have explored their thoughts on Innovative Technologies:

Sl. No.	Name of Participants	Dept.
1.	Mr.R.Vigneshwaran	III - CSE
2.	Mr.K.R.Praveen Krishna	III - Mech.
3.	Ms.T.Dhanalakshmi	III - Mech.
4.	Ms.S.Dhanalakshmi	III - ECE
5.	Ms.K.Preetha	III - ECE
6.	Ms.A.Apsara	III - ECE
7.	Mr.A.Sankara Ramanathan	III - CSE

Ms.S,Dhanalakshmi, III - ECE proposed the vote of thanks. Dr.K.Karunai Raghavan, Librarian and Mr.K.R.Praveen Krishna III - Mech. coordinated the entire event successfully.

6.17 Best Readers Park Volunteer Award

Mr.K.R.Praveen Krishna, III - Mech. won the 'Best Readers Park Volunteer Award' for the Academic year 2018 – 19, appreciating his excellent work in the overall Readers Park Activities.

6.18 Best Outgoing Student (Female) Award

✓ Ms.R.Anushri, (2015 - 2019 Batch) final year student of Civil Engineering and President of NEC Readers Park had received the Best Outgoing Student (Female) Award for the Academic Year 2018 - 19 held at 35th NEC College Day function on March 21, 2019.

6.19 Readers Park - Organizational Setup

Advisors	:	Dr. Kn.K.S.K.Chockalingam, Director, NEC		
		Dr. S. Shanmugavel, Principal, NEC		
Convener	:	Dr. S. Tamil Selvi, Professor & Head, ECE - PG		
Coordinators	:	Dr. K. Karunai Raghavan, Librarian		
		Mr. S. Cammillus, Assistant Professor (SG)/ECE		
		Mr. V. Jackins, Assistant Professor/IT		
President	:	Ms. R. Anushri	-	IV – Civil
Vice Presidents	:	Ms. M. T. Raagavi	-	IV – Civil
		Ms. K. Preetha	-	III – ECE
		Mr. R. Vigneshwaran	-	III – CSE
Secretary	:	Ms. D. Subhawinya	-	IV – IT
Joint Secretaries	:	Ms. S. Dhanalakshmi	-	III – ECE
		Ms. J. Janofer Ibrahima	-	III – CSE
		Mr. K. R. Praveen Krishna	-	III – Mech.
Treasurer	:	Mr. M. Gokul Kannan	-	IV – Civil
PRO	:	Mr. M. Mandhira Moorthi	-	III – CSE
		Ms. R. Dhanalakshmi	-	III – CSE
Executive Members	:	Ms. S. Subaranjani	-	III – Civil
		Ms. R. Christal Sophia	-	IV – Civil
		Ms. S. Alaguparvathi	-	III – CSE
		Ms. B. Ponmani	-	III – CSE
		Ms. R. Ramya Devi	-	III – ECE
		Ms. A. Apsara	-	III – ECE
		Ms. S. V. Vijayalakshmi	-	III – ECE
		Ms. V. Preetha	-	III – ECE
		Ms. L. Nishanthi	-	III – ECE
		Mr.P.Karthick Raja	-	III – CSE
		Ms. P. V. Gayathri	-	III – CSE
		Ms. C. Meenakshi	-	III – CSE
		Ms. N. Nityashree	-	III – CSE
		Ms. V. Padhmapriya	-	IV – IT
		Ms. R. Priyadharsini	-	IV – IT
		Ms. S. Kausalya	-	IV – CSE
		Ms. G. Selva Gomathi	-	IV – CSE
		Ms. T. Gifta Irine Sophia	-	III – ECE
		Ms. T. A. Nanthini	-	II – ECE
		Ms. R. Roshini	-	II – ECE
		Ms. B. Vivek Krishna	-	III – Civil
		Mr. A. Velrajan	-	III – CSE

7. 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 improvement in Teaching and Learning processes.

7.1 SWAYAM NPTEL, IIT Madras

SWAYAM NPTEL 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* funded by MHRD. SWAYAM NPTEL has been offering online certification for its courses, highlight being the certification exam through which the student gets an opportunity to earn a certificate from the IITs! These are available at *https://swayam.gov.in/NPTEL*

SWAYAM NPTEL enables students to obtain certificates for special courses and enable the students employable in the industry or pursue a suitable higher education programme.

7.1.1 SWAYAM NPTEL Local Chapter

To take this initiative forward and to encourage more students across colleges to participate in this initiative, SWAYAM NPTEL, IIT Madras has setup SWAYAM NPTEL Local Chapter in colleges which will be under the headship of a faculty member of the college, who would be the Single Point of Contact (SPOC).

7.1.2 SWAYAM NPTEL Local Chapter 'AAA' Rating

SWAYAM NPTEL, IIT Madras has recognized our College as a valuable SWAYAM NPTEL Local Chapter with a rating of AAA (Top 1-10 institutions), AA (Top 11–50 institutions) and A (Top 51-100 institutions) based on the performance in SWAYAM NPTEL Online Certification courses during certain periods.

NEC is being an active and enthusiastic SWAYAM NPTEL Local Chapter and has also been recognized as one of the top performing SWAYAM NPTEL Local Chapters with rating of 'AA' during the period of July – December 2018 and 'A' rating for January – June 2019.

Dr.K.Karunai Raghavan, Librarian has received Top Performing 'NEC SWAYAM NPTEL Local Chapters' with a rating of **'A'** Citation from Prof.Bhaskar Ramamurthy, Director, IIT Madras on July 26, 2019.

7.1.3 SWAYAM NPTEL Toppers: Jul. – Dec. 2018 Session

Faculty members and Students have been attending the SWAYAM NPTEL Online courses regularly to update their knowledge in the relevant field. The following faculty members have been the SWAYAM NPTEL online exam toppers during the period Jul. – Dec. 2018.

Recent Advances in Transmission Insulators		Reinforced Concrete Road Bridges	The Joy of Computing using Python		Digital Circuits
Bakrutheen, M. AP/EEE, 99% 1% Topper	**Diffni Gomez, A.M.** AP/EEE, 96% 1% Topper	**Sebastin, S.** AP/Civil, 93% Gold	**Thamarai Selvi, D.** AP/CSE, 93% Gold	**Usharani, K.** AP/CSE, 91% Gold	**Karthika, S.** AP/ECE, 90% 1% Topper

Introduction to Abstract and Linear Algebra	Laws of Thermodynamics	Marketing Management-I	An Introduction to Information Theory	Computer Networks and Internet Protocol
Manivannan, M. AP/S&H, 90% Gold	**Samuel Ponraj, P.** AP/Mech, 82% 5% Topper	**Dr.T.Sakthi** AP/Mech., 72% 5% Topper	**Sathishkumar, M.** AP/ECE, 65% Topper	**Bhuvaneswari, M.** AP(SG)/CSE, 64% 5% Topper

The following students have been the SWAYAM NPTEL online exam toppers during the period Jul. – Dec. 2018.

Technical English for Engineers	Introduction to Machine Learning	Fire Protection, Services and Maintenance Management of Building
Nandhini, S. I-B.E.-ECE, 86% 5% Topper	**Muthu Mariappan, H.** MS Scholar, CSE, 80% 5% Topper	**Satheesh Kumar, P.** IV- B.E. - Civil, 64% Topper

7.1.4 SWAYAM NPTEL Results during the period Jul. – Dece. 2018 (Course wise)

Sl. No.	Name of the Course	Appeared	Certified
1	Advanced Composites	1	1
2	Advanced Concrete Technology	18	7
3	Advanced Linear Continuous Control Systems: Applications with MATLAB Programming and Simulink	2	2
4	An Introduction to Information Theory	1	1
5	Applied Optimization for Wireless, Machine Learning, Big Data	1	1
6	Basic Electrical Circuits	12	0
7	Biomedical Nanotechnology	2	2
8	Blockchain Architecture Design and Use Cases	2	2
9	Business Analytics & Data Mining Modeling Using R-PART II	1	1
10	Cloud Computing	2	2
11	Cognition, Transformation and Lives	1	1
12	Computer Architecture	4	3
13	Computer Networks and Internet Protocol	24	3
14	Concrete Technology	11	5
15	Data Base Management Systems	5	4
16	Deep Learning	3	3
17	Design and Pedagogy of the Introductory Programming Course	2	2
18	Design of Photovoltaic Systems	1	1
19	Design of Reinforced Concrete Structures	24	24
20	Developing Soft Skills and Personality	235	233
21	Digital Circuits	161	155
22	Discrete Mathematics	1	1
23	Discrete Time Signal Processing	1	1
24	E-Business	1	0
25	Energy Conservation and Waste Heat Recovery	1	1
26	Engineering Metrology	1	1
27	Ethics in Engineering Practice	2	1
28	Fire Protection, Services and Maintenance Management of Building	16	10
29	Fundamentals of Surface Engineering: Mechanisms, Processes and Characterizations	1	1
30	Geotechnical Engineering Laboratory	1	1
31	Hardware Modeling using VERILOG	18	7
32	Heat Transfer	1	1
33	Infra Red Spectroscopy for Pollution Monitoring	1	1

34	Introduction to Abstract and Linear Algebra	5	5
35	Introduction to Accounting and Finance for Civil Engineers	1	0
36	Introduction to Internet of Things	7	7
37	Introduction to Machine Learning	3	3
38	Introduction to probability and Statistics	5	1
39	Introduction to Probability Theory and Stochastic Processes	3	1
40	Introduction to Programming in C	10	8
41	Introduction to Research	6	6
42	Introduction to Smart Grid	1	1
43	Introduction to Wireless and Cellular Communications	1	1
44	Laws of Thermodynamics	1	1
45	Manufacturing of COMPOSITES	1	1
46	Marketing Management-I	1	1
47	Matrix Method of Structural Analysis	6	6
48	Matrix Solver	1	1
49	Op-Amp Practical Applications: Design, Simulation and Implementation	8	6
50	Outcome based Pedagogic Principles for Effective Teaching	1	1
51	Power system Analysis	1	0
52	Principles of Casting Technology	4	3
53	Problem Solving through Programming in C	4	4
54	Programming in C++	9	5
55	Programming, Data Structures and Algorithms using Python	18	9
56	Recent Advances in Transmission Insulators	4	4
57	Reinforced Concrete Road Bridges	4	4
58	Robotics	1	1
59	Soft Skills	44	37
60	Solid State Physics	2	2
61	Strength of Materials	62	44
62	Stress Management	1	1
63	Structural Analysis of Nanomaterials	2	2
64	Technical English for Engineers	243	225
65	The Joy of Computing using Python	12	12
66	Transform Techniques for Engineers	1	1
67	Wastewater Treatment and Recycling	27	27
68	Work System Design	1	1
Total		**1059**	**911**

7.1.5 SWAYAM NPTEL Results during the period Jul. – Dec. 2018 (Dept. wise)

Sl. No.	Department	Appeared	Participated	Qualified	Elite	Elite + Gold	Toppers
			0 - 39	40 - 59	60 - 89	90 - 100	
1	S & H	481	21	205	253	1	1
2	Civil	198	48	125	22	2	1
3	E.C.E.	118	18	70	28	-	2
4	E.E.E.	116	8	80	26	-	2
5	C.S.E.	92	37	25	26	2	2
6	E.I.E.	21	10	2	9	-	-
7	Mechanical	20	2	9	7	-	2
8	I.T.	13	4	6	3	-	-
Total		**1059**	**148**	**522**	**374**	**5**	**10**

7.1.6 SWAYAM NPTEL Toppers: Jan. – Jun. 2019 Session

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

Programming in Java	Plastic Waste Management	Introduction to Internet of Things	Soil Mechanics / Geotechnical Engineering - I	Electric Vehicles - Part - 1
Rajesh Kumar, S. AP/CSE, 96% 5% Topper	**Chithiraikumar, S.** AP/S&H, 94% 2% Topper	**Dheenathayalan, S.** AP/CSE, 91% Elite + Gold	**Chella Gifta, C.** AP/Civil, 83% 5% Topper	**Sankar, N.** AP/EEE, 77% 5% Topper

The following students have been the SWAYAM NPTEL online exam toppers during the period Jan. – Jun. 2019.

Programming in Java	Introduction to Internet of Things		Six Sigma
Al Sameema, A. III - B.E. - CSE, 96% 5% Topper	**Ganeshkumar, T.** II - B.E. - ECE, 91% Elite + Gold	**Robinston, R.** II - B.E. - Mech., 90% Elite + Gold	**Ganesh Kumar, K.** III - B.E. - Mech., 86% 2% Topper

7.1.7 SWAYAM NPTEL Results during the period Jan. – Jun. 2019 (Course wise)

Sl. No.	Name of the Course	Appeared	Certified
1	Advance power electronics and Control	1	1
2	Advanced Topics in the Science and Technology of Concrete	1	1
3	Advances in UHV Transmission and Distribution	1	1
4	Automatic Control	1	1
5	Basic Linear Algebra	1	1
6	Better Spoken English	41	39
7	Big Data Computing	1	1
8	Bioreactors	1	1
9	CMOS Digital VLSI Design	1	1
10	Data Base Management System	1	1
11	Descriptive Statistics with R Software	1	1
12	Digital Electronic Circuits	1	0
13	Digital Land Surveying and Mapping (DLS & M)	50	32
14	Discrete Mathematics	2	2
15	Effective Engineering Teaching in Practice	2	1
16	Electric Vehicles - Part 1	3	3
17	Electronic Systems for Cancer Diagnosis	1	1
18	English language for Competitive Exams	19	19
19	Enhancing Soft Skills and Personality	212	207
20	Experimental Physics I	1	1
21	Graph Theory	2	2
22	Hydration, Porosity & Strength of Cementations Materials	2	1
23	Introduction to Cognitive Psychology	1	0
24	Introduction to Composites	1	1
25	Introduction to Industry 4.0 and Industrial Internet of Things	2	2
26	Introduction to Internet of Things	15	15
27	Introduction to Mechanical Micro Machining	1	1
28	Introduction to Remote Sensing	2	2
29	Joy of Computing using Python	9	9
30	Kinematics of Mechanisms and Machines	1	1
31	LDPC and Polar Codes in 5G Standard	3	2
32	Manufacturing Process Technology	1	1

33	Marketing Management - II	1	1
34	Medicinal Chemistry	2	2
35	Microprocessors and Microcontrollers	1	1
36	Plastic Waste Management	32	32
37	Principles of Communication Systems - I	1	1
38	Principles of Signals and Systems	1	1
39	Problem Solving through Programming in C	20	12
40	Product Design and Development	1	1
41	Programming in Java	6	6
42	Programming, Data Structures and Algorithms using Python	7	5
43	Psychiatry - An Overview	2	1
44	Rapid Manufacturing	1	1
45	Six Sigma	4	2
46	Social Networks	1	1
47	Soil Mechanics / Geotechnical Engineering - I	28	14
48	Speaking Effectively	87	86
49	Steam and Gas Power Systems	2	2
50	Surface Engineering for Corrosion and Wear Resistance Application	1	0
51	Theory and Practice of Non Destructive Testing	1	1
52	Visual Communication Design for Digital Media	2	2
Total		**583**	**524**

7.1.8 SWAYAM NPTEL Results during the period Jan. – Jun. 2019 (Dept. wise)

Sl. No.	Department	App eared	Partici pated	Qualified	Elite	Elite + Silver	Elite + Gold	Toppers
			0 - 39	40 - 59	60 - 74	75 - 89	90 - 100	
1	S & H	358	11	128	168	50	-	1
2	Civil	124	35	66	19	3	-	1
3	E.C.E.	40	8	19	10	2	1	-
4	Mechanical	28	3	5	11	7	1	1
5	C.S.E.	13	-	3	4	3	1	2
6	E.I.E.	9	2	4	3	-	-	-
7	E.E.E.	7	-	3	3	-	-	1
8	I.T.	4	-	1	2	1	-	-
Total		**583**	**59**	**229**	**220**	**66**	**3**	**6**

7.2 Free and Open Source Software (FOSS), Spoken Tutorial, IIT Bombay Workshops:

NEC Central Library organized various FOSS workshops and training programmes offered by the Spoken Tutorial, IIT Bombay during the period between July 2018 and June 2019 funded by NMEICT, MHRD, Government of India, coordinated by Dr. K. Karunai Raghavan, Librarian.

- ✓ Mr.G.Pandiyarajan AP/IT, acted as organizer for FOSS Workshop on 'C / C++' through Spoken Tutorial, IIT Bombay on September 4, 2018. Nearly 99 students participated.

- ✓ Mr.S.Cammillus, AP(SG)/ECE, acted as an organizer for FOSS Workshop on 'JAVA' through Spoken Tutorial, IIT Bombay on September 5, 2018. Nearly 54 students participated.
- ✓ Mr.V.Jackins, AP/IT, acted as an organizer for FOSS Workshop on 'PHP and MySQL' through Spoken Tutorial, IIT Bombay on January 21, 2019. Nearly 69 students participated.
- ✓ Dr.S.Tamil Selvi, Prof. & Head/ ECE-PG, acted as an organizer for FOSS Workshop on 'LINUX' through Spoken Tutorial, IIT Bombay on January 25, 2019. Nearly 39 students participated.

- ✓ Ms.J.E.Jeyanthi, AP/ECE, acted as an organizer for FOSS Workshop on 'Arduino' through Spoken Tutorial, IIT Bombay on January 28, 2019. Nearly 144 students participated.
- ✓ Mr.G.Pandiyarajan, AP/IT, acted as an organizer for FOSS Workshop on 'Advanced C++' through Spoken Tutorial, IIT Bombay on January 30, 2019. Nearly 33 students participated.

- ✓ Mr.S.Vimal, AP(SG)/IT, acted as an organizer for FOSS Workshop on 'Python' through Spoken Tutorial, IIT Bombay on February 1, 2019. Nearly 104 students participated.
- ✓ Mr.V.Sivakumar AP/CSE, acted as an organizer for FOSS Workshop on 'Blender' through Spoken Tutorial, IIT Bombay on February 2, 2019. Nearly 124 students participated.

- ✓ Mr.S.Sebastin, AP/Civil, acted as an organizer for FOSS Workshop on 'QCAD' through Spoken Tutorial, IIT Bombay on February 4, 2019. Nearly 133 students participated.

7.2.1 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 Feb. - May 2019 and the details are given below:

Sl. No.	Name of the FOSS Course	Date of Online Assessment Test	Name of the Invigilator	No. of Students Appeared	No. of Students Certified
1	JAVA	26.09.2018	Mr.S.Vimal, AP(SG)/IT	32	28
2	C/C++	03.10.2018	Mr.V.Jackins, AP/IT	56	37
3	PHP & MySQL	25.02.2019	Mr.S.Vimal, AP(SG)/IT	120	117
4	Blender	26.02.2019	Dr.K.Karunai Raghavan, Librarian	173	103
5	Linux	27.02.2019	Mr.S.Cammillus, AP(SG)/IT	136	120
6	Arduino	28.02.2019	Dr.K.Karunai Raghavan, Librarian	157	155
7	Advanced C++	01.03.2019	Mr.S.Dheenathayalan, AP/CSE	174	154
8	QCAD	05.03.2019	Mr.A.Shenbagaraman, AP/CSE	132	109
9	Python	06.03.2019	Mr.V.Jackins, AP/IT	233	206
Total				**1,213**	**1,029**

Central Library Collections (upto May 31, 2019)

Learning Resources:

Books

Books	:	60,070 Volumes	23,609 Titles
Reference Books	:	1,074 Volumes	1,001 Titles
Book Bank Books	:	3,319 Volumes	718 Titles
Student's Projects (Since 2004)	:	4,874	
Back Volumes	:	3,476	

Non Books

Book's & Periodicals CDs	:	3,503
NPTEL Videos	:	24 TB (External Hard Disk)

Periodicals

International	:	490 (Online)
National	:	86
Technical Magazines	:	48

Department wise Books details (Titles and Volumes)

Sl.No.	Name of the Department	Titles	Volumes
1	E.C.E.	3,780	10,745
2	E.E.E.	2,607	7,607
3	C.S.E. & I.T.	9,508	20,855
4	E.I.E.	2,582	6,756
5	Mechanical	4,056	11,657
6	Civil	1,076	2,450
Total		23,609	60,070

HIGHLIGHTS (Academic Year 2018 -19)

Library Utilization:

- **264 Users -** Average visits (Students & Staff Members) per day
- **290 Books -** Average Transactions (Issues & Returns) per day
- **860 IEEE (ASPP)** Online Journals - Average search per day
- **536 Elsevier (Science Direct)** Online Journals - Average search per day

e-Learning Management Systems:

- e-Library
  - NPTEL Videos, e-Journals, e-Question Bank etc.
- DELNET (Developing Library Network)
- NDLI (National Digital Library of India)

Quality Improvement Cell (QIC):

SWAYAM NPTEL, IIT Madras:

Period	Appeared	Certified	Pass %	Elite	Elite + Silver	Gold	Toppers	Ranking
Jun - Dec 2018	1,059	911	86.02%	374	-	5	10	AA
Jan - Jun 2019	583	524	89.87%	220	66	3	6	A

FOSS, Spoken Tutorial, IIT Bombay:

Period	Trained	Appeared	Certified
June 2018 - May 2019	799	1,213	1,029

NEC Readers Park Activities:

- Technical Presentation
- Career Development Class
- Book Talk
- Intellectual Talk
- Expertise Talk
- Effect of Reading
- National Librarian's Day Celebrations
- What about Good Reading
- Readers Colloquia 2018
- Career Delvelopment Camp
- Techno Talk
- Importance of Books in our Life
- Debate on 'Are Books Better than the Internet?'
- Speech on their Own Interest
- Intra College Quiz – 2019
- Technical Discusstion
- Best Readers Park Volunteer Award
- Best Outgoing Student (Female) Award