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SUJANA N

For actively attending the Webinar on the topic "**Celebrating 75 Years Of Self Sufficient India In Research & Innovation - Azadi Ka Amrit Mahotsav**" organized by Institute For Engineering Research and Publication on 15th August 2022.

SESSION SPECIFICS

Date : 15-August-2022 | **Time :** 11:00 AM IST

Topic : Celebrating 75 Years Of Self Sufficient India In Research & Innovation - Azadi Ka Amrit Mahotsav

Speaker : Shri Ramanan Ramanathan

Shri Ramanan Ramanathan
Former (First) Mission Director Atal Innovation Mission,
Fmr Additional Secretary at NITI Aayog,
India.

Mr.Rudra Bhanu Satpathy
CEO & Founder
Institute For Engineering Research
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For actively attending the Webinar on the topic "**Career After Engineering**" organized by Institute For Engineering Research and Publication on 15th June 2022.

SESSION SPECIFICS

Date : 15-June-2022 | Time : 3:30 pm IST
Topic : Career After Engineering
Speaker : Prof. Dr. Dileep Kumar M

Prof. Dr. Dileep Kumar M
Director of Strategy and Research,
NFCT Malaysia & Pro Vice-Chancellor GNS University, India.
(Deputy VC at Nile University, Nigeria)

Mr.Rudra Bhanu Satpathy
CEO & Founder
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SUJANA N

For actively attending the Webinar on the topic "**Evolution of Intelligent Systems** " organized by Institute For Engineering Research and Publication on 11th May 2022.

SESSION SPECIFICS

Date : 11-May-2022 | **Time :** 11:00 am - 12:00 pm

Topic : Evolution of Intelligent Systems

Speaker : Prof. Priyadarsan Patra

Prof. Priyadarsan Patra
Pro Vice Chancellor
Distinguished Professor
DIT University.

Mr.Rudra Bhanu Satpathy
CEO & Founder
Institute For Engineering Research
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For actively attending the Webinar on the topic **"ADVANCED EMERGING TECHNOLOGIES, RESEARCH AND PRACTICAL APPLICATION "** organized by Institute For Engineering Research and Publication on 18th May 2022.

SESSION SPECIFICS

Date : 18-May-2022 | **Time :** 05:00 pm - 06:00 pm

Topic : ADVANCED EMERGING TECHNOLOGIES, RESEARCH AND PRACTICAL APPLICATION

Speaker : Mr. Aryan Chaudhary

Mr. Aryan Chaudhary
Research Head at Nijji HealthCare,
Editor In Chief at Taylor & Francis Group.
Kolkata.

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For actively attending the Faculty Development Programme on the topic
**"Teaching and Learning in Higher and Professional Education-the
challenges and opportunities"** organized by Institute For Engineering
Research and Publication on 18th April 2022.

Dr. Indranil Bose
Dean, School of Business
University of Bolton,UAE

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SUJANA N

For actively attending the Webinar on the topic "**How to Face Interview?**" organized by Institute For Engineering Research and Publication on 29th June 2022.

SESSION SPECIFICS

Date : 29-June-2022 | **Time :** 11:00 AM IST
Topic : How to Face Interview?
Speaker : Mrs. Fathima Juwairiya

Mrs. Fathima Juwairiya
Certified Soft Skills Trainer,
Senior Technical Trainer
Technoarete Research and Development Association, India

Mr.Rudra Bhanu Satpathy
CEO & Founder
Institute For Engineering Research
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IIC-PESCE 2021-22

P.E.S. College of Engineering, Mandya – 571401
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IIC 4.0-ANNUAL REPORT

About IIC-PESCE

IIC-PESCE has established in the academic year 2018-2019 with an aim to create entrepreneurial environment in the HEI and its surrounding. And the organization is successfully running the IIC from the past four years with conducting ample amount of activities and trainings for students as well as faculties.

Council Members:

Sl. No.	Name	Designation
1	Dr. R M Mahalinge Gowda	Principal
2	Dr. Vinay S	TPO, President IIC-PESCE
3	Mr. Pavan K N	Vice President IIC-PESCE
4	Mr. Siddesh Kumar N M	Convenor IIC-PESCE
5	Dr. N Jagadeesh	Member
6	Mr. Shivaraj Nayak	Member
7	Mr. Ramesh Kurbet	Member
8	Mr. Chetan Kumar V	Member
9	Mrs. H L Shilpa	Member
10	Dr. A C Kiran Kumar	Member
11	Mr. Yatish M K	Member
12	Mr. Manohar H C	Member
13	Mrs. Meghana S	Member
14	Dr. Mahesh	Member
15	Mr. Ravi Y C	Member
16	Mrs. Rashmi M P	Member
17	Mrs. Divyashree M	Member
18	Mr. Akshay R N	Member
19	Mrs. Bhavya D	Member
20	Mr. Suraj B S	Member
21	Ms. Gaana H	Member
22	Mr. M Sreenivasa	Member
23	Mr. Rakshith N	Member
24	Dr. Sudeendra Koushik	External Member
25	Dr. D K Subramanian	External Member
26	Mr. Pavan Mujumdar	External Member

Roles and responsibilities of members defined at College level

Sl. No.	Name	Roles
1	Mr. Siddesh Kumar N M	ARIIA Coordinator
2	Dr. N Jagadeesh	Internship activity coordinator
3	Mr. Ramesh Kurbet	Innovation activity and Social Media coordinator
4	Mr. Chetan Kuamr V	Start-up activity and NIRF Coordinator
5	Dr. A C Kiran Kumar	IPR activity coordinator

Path of IIC-PESCE: During the academic year 2018-2019, when IIC-PESCE established it has ONE STAR rating and same rating retained during academic year 2019-2020, and for the academic year 2020-2021 IIC-PESCE has reached to THREE STAR rating.

Notable Achievements:

1. Student team from HEI has been the finalists in Anveshana-2022 event.
2. MBA students have won numerous prizes in the state level and National level events organized by various institutions across state.
3. Manikant Amaresh Savadathi, final year, Department of Eelectronics and Communication Engineering student awarded first prize in Young Engineer's Entrepreneurship Program conducted on December 2021 by IEEE-TEMS Bengaluru.
4. Chandan M, Suraj R, Nandan V H, Jagadeesh V K and Bheem Kumar Haloor, pre-final year, Department of Electrical and Electronics Engineering students secured second prize at Shark Tank Event held during INTERACT-2022 on 3rd and 4th June at Global Academy of Technology, Bengaluru.
5. Smart India Hackathon – Akshay Kumar Gautham and team, Department of Information Science and Computer Science, won first prize along with 1 lakh Rupee cash prize in SIH-2022.
6. Chandan M, Suraj R and Ankitha H R, Department of Electrical and Electronics Engineering and Electronics and Communication Engineering students participated and selected in top 33 ideas at Manthan-2022 Business Pitch Competition.
7. Dheeraj N U, Pre-final year, Department of Mechanical Engineering Student published a research article in collobration with Wysconsin Milwake, USA and Sunny Polytechnic, USA.
8. Intellectual Property Rights (IPR)

SI No	Title	Application No	Inventor Name	Date	Status
1	With solar water boiling system increase thermo electric capacity	202141043279	Mr. Siddesh Kumar N M Dr. S Ghanaraja Mr. Ganapathy Bawge Mr. Avinash M Mr. Samrat Ms. Dhruthi	05/11/2021	Published
2	A systematic approach to improve the resin	202141057194	Mr. Siddesh Kumar N M PES College of	04/02/2022	Published

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	property through ceramic coating		Engineering Mr. Ramesh Kurbet Mr. Harshith Kumar T S Mr. Basavanna S Mr. Shashank T N Mr. Prashanth Nayak K S		
3	Construction of cheap verbalized robotic hand for specific adherence	202141043085	Mr. Ramesh Kurbet Dr. Mohammad Rafi H Kerur Dr. Lakshmi Narasimha Murthy H R Mr. Siddesh Kumar N M Mr. Nouman Khan Mr. Talluri Nikhil	05/11/2021	Published
4	Extraction of Energy through Magnetic Bearings	202241000664	Mr. RAMESH KURBET Mr. SIDDESH KUMAR N M Dr. GHANARAJA S Dr. RUDRESHI ADDAMANI Mr. RANJITH K Mr. HARSHITH KUMAR T S Mr. YATHISH M K Dr. B S SHIVAKUMARA Mr. SANJAY R	21/01/2022	Published
5	Design grant-"Touch KIOSK"	362874-001	Mr. Ramesh Kurbet PES College of Engineering Dr. Vinay S Mr. Siddesh Kumar N M Mr. Avinash M Dr. H R Lakshmi Narasimha Murthy Mr. Charan H Mr. Suraj R Miss. Rakshitha M N Miss. Monika Raj M R Mr. Dheeraj N U Miss. Anvika	30/09/2022	Published and Granted
6	Design grant-"Virtual Fault Detector"	362873-001	Mr. Siddesh Kumar N M PES College of Engineering Dr. Vinay S	07/10/2022	Published and Granted

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			Dr.Rudreshi Addamani Mr. Ramesh Kurbet Mr. Chinnegowda H S Mr. Chandan M Miss. Lakshmi H P Miss. Pallavi H C Miss. Ankitha H R Mr. Bheem kumar Haloor Miss. Bhoomika H L		
7	Fully autonomous smart manufacturing unit using Intelligent Feature Recognition Algorithm	2021102713	Dr. Sadashiva M Dr. Sh rinivas M R	23/06/2021	Published
8	Online reinforced learning of assembly sequence planning with interactive guidance systems for industry 4.0,	202141032004 A	Dr. Sadashiva M Dr. Shrinivas M R	16/07/2021	Published

Notable Events conducted during 2021-22

1. IEEE-YEEP mentorship program was successfully held in the institution.
2. Dr. Shivashankar from SJCE-STEP has delivered speech related to funding opportunities available for startups.
3. One week boot camp was organized by IIC-PESCE in the month of January.
4. SIH registration and scrutiny along with mentoring.
5. Institute level internal hackathon was organized and selected teams were nominated for SIH.
6. Boot camps have been organized for first year B E students on Rapid Prototyping and under Social Innovation cause as of challenge students prepared the toys for autism and dyslexia children.
7. Faculties were trained under "Train the trainer" program at TCE, Mangalore.
8. Celebration activities were conducted on the respective dates.
9. MIC driven activities were conducted in the institution.
10. Impact Lecturer series were followed on the dates.
11. 13 Members have completed Innovation Ambassador Foundation level course and registered for advance Innovation Ambassador Course. Model.
12. 50+ activities conducted among student and faculties.
13. Basic level boot camp have been planned and identified around 10 ideas.
14. Students won State level Pitch competition and to bring awareness from the 1st year Rapid prototyping and Social Innovation course has been planned and conducted

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15. 120 Prototypes has been built by the 1st year students.
16. 50+ Teams Participated in Internal Hackathon, 20 teams shortlisted and sent to Smart India Hackathon. 3 teams shortlisted for grand finale. 1 team won 1 lakh rupees cash prize.
17. Maker's space and thinker space lab equipped with laser cutting, 3d printing machines, other power and hand tools

Events details

Following are the activities conducted through IIC-PESCE under celebration activities;

Date	Day of Celebration	Quarter
1st Oct 2021	India Startup Day	Q1
15th Oct 2021	National Innovation Day	
11th Nov 2021	National Education Day	
2nd Dec 2021	National Pollution Control Day	Q2
14th Dec 2021	National Energy Conservation Day	
28th Feb 2022	National Science Day	
22nd April 2022	World Earth Day	Q3
26th April 2022	World Intellectual Property Day	
11th May 2022	National Technology Day	
5th June 2022	World Environment Day	Q4
21st Aug 2022	World Entrepreneurs Day	

Self-driven activities conducted by IIC-PESCE

Date	Event Conducted	Quarter
14th Dec 2022	Funding Opportunities for startups	Q2
11th Jan to 14th Jan 2022	Boot camp for selected ideas under ideathon	
24th Feb 27th Feb 2022	Boot camp for first-year students on Rapid prototyping	
7th Mar to 11th Mar 2022	Boot camp for first-year students on rapid prototyping	Q3
15th Mar 2022	College level hackthon	
6th June 2022	Opportunities at IIC- Technical Talk Mr. Siddesh Kumar N M	Q4
7th June 2022	IIC- A career path Technical Talk by Mr. Siddesh Kumar N M	
24th June 2022	Demo Day exhibition and Makerspace Inauguration	
29th June 2022	Students at IIC-PESCE Technical Talk by Mr. Siddesh Kumar N M	
6th July 2022	Hands-on Experience with Arduino for Technical staff	
25th July to	Rapid prototyping boot camp for students to	

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30th July 2022	build games for autistic children
22nd Aug to 27th Aug 2022	Rapid prototyping boot camp for students to build games for dyslexia children

Photo Gallery

The Habbit of Successful Entrepreneur's Talk By Ms. Anvika

Journey of Idea into startup Talk by Mr. Suraj and Mr. Chandan

Technical Talk on Opportunities at IIC-PESCE by Mr. Siddesh Kumar N M

Father Joseph Explaining about Characteristics of Autism students

Project Explanation for delegates

Technical Talk arranged for MBA students

Inauguration of new maker-space lab

Technical Talk by Mr. Siddesh Kumar N M on opportunities for faculty members at IIC

College level hackthon

Technical Talk by Mr. Siddesh Kumar N M

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	on Faculty activities at IIC
Students crowd gathered during celebrate world IPR day	Student activity during boot camp
Students posing after boot camp with trainers	Trainer engaging students during boot camp
Students Preparing during Boot Camp	First-year BE students during Boot camp on Rapid Prototyping

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Internal Hackathon conducted at college level, teams were selected for SIH based on ideas.

Glimpse of IIC meeting

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Boot camp organized for the students to come up with prototype

Boot camp on Rapid prototyping for first year BE student

Discussion on implementation of NISP Policy

Student's awareness session on innovation and entrepreneurship

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Students building prototypes

IIC Regional meet

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Pros and Cons of the Course and difficulties faced during the conduction of the course

- Course is not a credit based course hence while giving the final certificate if grading system exist means the students will be more conscious and attend the course in an effective way.
- Lack of awareness on the course why it is important. Conduction of FDP & EDP may bring interest on the course.
- Class room and infrastructure was the problem, as it is an activity based course it requires speakers and other musical aids to deliver the sessions.

Requesting for the following facilities from Dean Academics to improve the effectiveness of the course

- Grading system in the certificate can bring awareness in the course
- FDP and EDP can bring awareness for faculties
- Requesting to float one open elective on patent drafting and innovation related course
- Student idea need to be recognized globally hence drafting course is required and requested like research methodology course

Thank you

P.E.S.COLLEGE OF ENGINEERING, MANDYA

No. PES/DEAN-ACAD/2021-22/160   23rd February, 2022

CIRCULAR

Sub: Orientation Programme for PG Students (M.Tech. | MCA| MBA)

The Orientation Programme for PG Students (M.Tech. | MCA | MBA) admitted for the academic year 2021-22 has been scheduled Offline on **25th February, 2022 at 3:30 pm**. In this regard, the PG students (M.Tech. | MCA | MBA) are hereby informed to attend the above-mentioned programme to know about the college and the functioning of the autonomous system.

Program Schedule		
1. Welcome by		
➢ Dr. Girisha R, Dean - Academic	-	03 min
2. About PES College of Engineering, Mandya		
➢ Dr. R M Mahalinge Gowda, Principal	-	10 min
3. About Academic Regulations of Autonomous System by		
➢ Dr. Umesh D R, Dy. Dean - Academic	-	30 min
4. About Examination and Evaluation under Autonomous system by		
➢ Dr. N L Muralikrishna, Controller of Examination	-	15 min
5. Vote of thanks by		
➢ Dr. K J Mahendra Babu, Dy. Controller of Examination	-	02 min

Date & Time: 25th February, 2022 at 3:30 pm
Venue: Nithya Sachiva Sri. K V Shankara Gowda Training & Placement Auditorium,
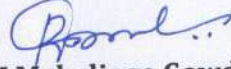**PESCE, Mandya.**

Dr. R Girisha
Dean – Academic

Dr. R M Mahalinge Gowda
Principal PRINCIPAL
PES College of Engineering
Mandya - 571 401.

Copy to:

❖ Controller of Examinations
❖ HOD's of all PG programmes (M.Tech. | MCA | MBA) to communicate among PG students admitted for academic year 2021-22
❖ Website coordinator to publish in college portal.

PG ACADEMIC REGULATIONS

Hearty Welcome

to

PG (M.Tech. | MCA | MBA) Students

Dr. N L Murali Krishna
Controller of Examination

Dr. R M Mahalinge Gowda
Principal

Dr. R Girisha
Dean – Academic

Dr. K J Mahendra Babu
Dy. Controller of Examination

Dr. Umesh D R
Dy. Dean – Academic

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PG DEGREE PROGRAMMES

(i)   M.Tech. Degree Programmes

Civil Engineering	-	CAD of Structures
Computer Science and Engineering	-	Computer Science and Engineering
Electronics and Communication Engineering	-	VLSI & Embedded system
Mechanical Engineering	-	Machine Design

(ii)   Master of Computer Applications (MCA)
(iii)   Master of Business Administration (MBA)

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DURATION OF THE COURSE

- **The normal duration of an academic programme is TWO years for PG programs**
- **The maximum period that a student can take to complete an academic programme shall be double the normal duration of the programme i.e. Four years.**

TOTAL NUMBER OF CREDITS TO QUALIFY FOR PG DEGREE AWARD

Programme		Normal Duration: Years (Semesters)	Total number of Credits to be Earned
PG Degree	M. Tech.	2 (4)	88
	M.B.A.	2 (4)	100
	M.C.A.	2 (4)	100

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M.TECH. COURSE STRUCTURE

M.Tech. Programme: The M.Tech. Programme shall consist of courses and each course shall be assigned with credits. The Minimum credit requirement for the M.Tech. degree is 88. The total course of an M.Tech. degree programme will typical consists of

Core Courses	**24 Credits**
Elective Courses	**16 Credits**
Self-study Courses	**06 Credits**
Laboratory	**04 Credits**
Internship / Seminar / RM & IPR / Term Paper	**14 Credits**
Mini-Project & Project Work	**24 Credits**

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M.C.A COURSE STRUCTURE

MCA Programme: The MCA Programme shall consist of courses and each course shall be assigned with credits. The Minimum credit requirement for the MCA degree is 100. The total course of an MCA degree programme will typical consists of

Core Courses	**44 Credits**
Elective Courses	**16 Credits**
Soft Skills, Seminar, Mini Project, Internship & Laboratory	**20 Credits**
Project Work (PROJ)	**20 Credits**

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M.B.A COURSE STRUCTURE

MBA Programme: The MBA Programme shall consist of courses and each course shall be assigned with credits. The Minimum credit requirement for the MBA degree is 100. The total course of an MBA degree programme will typical consists of

Core Courses	**56 Credits**
Elective Courses	**24 Credits**
Seminar & Laboratory	**08 Credits**
Project Work (PROJ)	**12 Credits**

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BREAKDOWN OF ACADEMIC YEAR INTO SEMESTERS

1.	Number of Semesters/Year	Three; Two being Main Semesters (Odd, Even) and one being a Supplementary Semester at the end of Even semester. (Note: Supplementary Semester is primarily to assist the slow learners and/or repeater students for repeating the courses. However, the slot can be used for other students and/or for deputing them for field work and/or internship.)
2.	Semester Durations (Weeks)	Main Semesters (Odd/Even): 20 each. Supplementary Semester: 9.
3.	A Typical Calendar	Main Semesters (Odd/Even): Registration of Courses- 0.5; Course Work- 15.5; Practical Examination-1.0; Examinations- 2.0; Declaration of Results- 1.0; Total: 20. Supplementary Semester (For Repeat Courses): Registration of Courses- 0.2;Course Work- 5.5; Practical Examination-1; Examination-2.0; Declaration of Results-0.3; Total: 9. Inter-Semester Recess: After each Main Semester– 1to 2, flexible. After Supplementary Semester– 1 to 2, flexible. (Note: In each Semester, there shall be various provisions for students like, Registration of Courses at the beginning, Dropping of Courses in the middle and Withdrawal from Courses towards the end, all being under the Faculty Members' advice. These facilities are required to ensure proper monitoring of students by Faculty Advisors, leading to their improved learning capabilities and minimizing their chances of failure in the Courses registered.)
4.	Examination	Continuous Internal Evaluation (CIE) and Semester End Examination (SEE), both having equal weightages in the students' performance in Course Work/Laboratory Work and other activities.

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CREDIT STRUCTURE FOR COURSE WORK

Lectures (L) (Hours / Week / Semester)	Tutorials (T) (Hours / Week / Semester)	Laboratory Work (P)(Hours / Week / Semester)	Cred its (L:T:P)	Credits (Total)
4	0	0	4:0:0	4
3	2	0	3:1:0	4
3	0	0	3:0:0	3
2	2	0	2:1:0	3
2	0	2	2:0:1	3
2	2	2	2:1:1	4
0	0	6	0:0:3	3

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COURSE REGISTRATION

Registration - Every student after consulting faculty advisor is required to register for the approved courses with DPGC of parent department at the commencement of each semester on the registration day which will be notified in the academic calendar.

Late Registration - Late registration may be permitted only for valid reasons on payment of late registration fee within the prescribed date.

Registration in Absentia - Registration in absentia may be allowed only in rare cases like of illness or other contingencies. Request should be forwarded by faculty advisor and HoD, finally should be approved by Dean (Academic).

Eligibility for Registration - To be eligible to register for a higher semester, the student must have earned the required number of credits as stipulated for vertical progression as indicated in **section 22.**

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COURSE REGISTRATION (CONT.…)

Registration for backlog Courses: Students who could not complete course/s of odd or even (or both) semester/s in the respective SEE and subsequent supplementary examinations of a particular academic year, need to re-register for such courses during next academic year (corresponding odd / even semester) as fresh course/s, foregoing previous CIE marks.

Registration for detained course/s: Students detained for entire academic year for not fulfilling eligibility criteria for upward movement as **per section 22** need to re-register during next academic year (corresponding odd/even semester) as fresh course/s and are eligible for SEE only after fulfilling satisfactory CIE and attendance.

Students having backlog course/s for having secured 'N' grade in either odd or even semester of a academic year need to re-register during next academic year (corresponding odd/even semester) as fresh course/s and are eligible for SEE only after fulfilling satisfactory CIE and attendance.

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ATTENDANCE REQUIREMENT

➢ The student has to put in a **minimum attendance of 85%** in each course with a provision of **condonation of 10%** of the attendance due to illness, participation in co-curricular activities such as Seminars, Workshops, Paper presentation etc. and extra-Curricular activities such as Sports, Cultural Activities etc.

➢ The student shall be informed about their shortage of attendance periodically by the department to make up the shortage.

➢ Students having attendance **less than 75% in course/courses shall be awarded "N" grade.** However, the core committee constituted by the college will decide on case to case basis for either Re-registration for such course/courses or being detained. If the same course is not offered, equivalent course recommended by DPGC should be taken, in case of change of scheme.

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TERMINATION FROM PROGRAMME

A student shall be required to withdraw from the programme and leave the Autonomous College on the following grounds:

➢ **Failure (Getting F Grade)** and not passing a Course to earn credits for the same, in spite of five attempts.

➢ **Failure to secure CGPA ≥5.00 on three consecutive occasions** to lead the student being asked to discontinue the programme and leave the College. However,

✓ Failure to secure a CGPA ≥ 5.00 at the end of any semester for the first time, to attract warning before approval of the student to continue in the following semester (on probation).

✓ There shall be a provision for the rejection of total performance of a semester and re-registration for the semester. This shall be done only once in the entire course of studies.

➢ Absence from classes for more than six weeks at a time in a semester without leave of absence being granted by the competent Authority.

➢ Failure to meet the standards of discipline as prescribed by the College from time to time.

ASSESSMENT (M.TECH. | MBA)

Assessment shall be done in two stages:

➤ **Continuous Internal Evaluation (CIE):** The CIE shall be conducted by the course teacher all through the semester; which shall include **two written tests** and **two events such as quiz, assignments, problem solving, group discussions etc.** The student shall secure a minimum of 40% of the total marks prescribed for the CIE in each course to become eligible for SEE.

Performance in laboratory courses shall be assessed by continuous internal evaluation, followed by a laboratory test by internal examiners.

Evaluation Method	Passing Standard
CIE	Score: ≥40%
SEE	a. Score: ≥ 40%
	b. The total of CIE + SEE shall be ≥ 40%

➤ **Semester-End Examination (SEE):** SEE shall be conducted by the course teacher at the end of a semester, on dates fixed by the College by means of a written examination for all core and elective theory courses.

➤ **Project Work Evaluation:** CIE of the project work of UG and PG Courses shall be based on the progress of the student in the work assigned by the project supervisor, periodically evaluated by him/her together with a Departmental Committee constituted for this purpose.

There shall be no re-examination (Make-Up) for any Course except in the case of a student being awarded I or X grade. In such cases, the make-up examination shall be conducted immediately after SEE.

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ASSESSMENT (MCA)

Assessment shall be done in two stages:

➢ **Continuous Internal Evaluation (CIE):** The CIE shall be conducted by the course teacher all through the semester; which shall include **two written tests** and **two events such as quiz, assignments, problem solving, group discussions etc.** The student shall secure a minimum of 40% of the total marks prescribed for the CIE in each course to become eligible for SEE.

Performance in laboratory courses shall be assessed by continuous internal evaluation, followed by a laboratory test by internal examiners.

Evaluation Method	Passing Standard
CIE	Score: ≥50%
SEE	a. Score: ≥ 40%
	b. The total of CIE + SEE shall be ≥ 50%

➢ **Semester-End Examination (SEE):** SEE shall be conducted by the course teacher at the end of a semester, on dates fixed by the College by means of a written examination for all core and elective theory courses.

➢ **Project Work Evaluation:** CIE of the project work of UG and PG Courses shall be based on the progress of the student in the work assigned by the project supervisor, periodically evaluated by him/her together with a Departmental Committee constituted for this purpose.

There shall be no re-examination (Make-Up) for any Course except in the case of a student being awarded I or X grade. In such cases, the make-up examination shall be conducted immediately after SEE.

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RE-REGISTER FOR THE COURSE

The following category of students are required to reregister for the course:

➢ Students who have failed to get **letter grades - S A B C D E**

➢ Students who have failed to secure a **minimum of 40% marks in CIE**.

➢ Students who have been **detained on account of shortage of attendance**

➢ Students who have **withdrawn (Grade W) from a Course**.

➢ Students who have **dropped from a course/courses**. Such students shall go through CIE and SEE again, in the course/courses for which he/she registers.

The re-registration shall be possible if the particular Course is offered again either in a main or a Supplementary Semester.

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DISTRIBUTIONS OF WEIGHTAGE FOR CIE & SEE (M.TECH. / MCA)

Particulars	Details	Evaluation
I - Test	Syllabus coverage is 40%. (35 marks) There will be quiz along with test (5 marks)	Average marks of two tests along with two Quiz's and 10 marks of Assignment + Alternative Assessment Tool shall form CIE of 50 marks. (Note: Alternative Assessment Tool shall be like Unit Test / Mini-Projects / Seminar / MOOC's etc.)
II - Test	Syllabus coverage is next 40%. (35 marks) There will be quiz along with test (5 marks)	
Assignment from Self-Study Component	5 marks	
Alternative Assessment Tool	5 marks	
SEE	Final examination to be conducted for full syllabus for 100 marks.	SEE marks reduced to 50 marks.

Make-up test may be given to improve the performance of CIE, subject to maximum of 20 marks only.

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DISTRIBUTIONS OF WEIGHTAGE FOR CIE & SEE (MBA)

Particulars	Details	Evaluation
I - Test	Syllabus coverage is 40%. (25 marks) There will be quiz along with test (5 marks)	Average marks of two tests along with two Quiz's and 10 marks of Assignment + 10 marks of Case analysis / Presentation / Projects / Seminars shall form CIE of 50 marks.
II - Test	Syllabus coverage is next 40%. (25 marks) There will be quiz along with test (5 marks)	
Assignment / Case analysis / Presentation / Projects / Seminars	Assignment (10 marks) + Case analysis / Presentation / Projects / Seminars (10 marks)= 20 marks	
SEE	Final examination to be conducted for full syllabus for 100 marks.	SEE marks reduced to 50 marks.

Make-up test may be given to improve the performance of CIE, subject to maximum of 20 marks only.

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GRADING

➢ **Letter Grades:** A letter grade is basically a qualitative measure of the performance of a student in a course.

The following letter grades shall be awarded to the students:

Outstanding (S), Excellent (A), Very Good (B), Good(C), Average (D), Poor (E) and Fail (F).

➢ **Transitional Grades:**

Grade 'I': Awarded to a student having prescribed attendance and meeting the prescribed passing standard at CIE in a Course, but has absented from SEE with prior written permission, for a valid and convincing reason acceptable to the College, like:

✓ Illness or accident, which disabled him/her from attending SEE;

✓ A calamity in the family at the time of SEE, which required the Student to be away from the College;

✓ Any other emergency as ascertained by the competent authority.

Grade 'W': Awarded to a student having the prescribed attendance, but withdrawing from that Course before the prescribed date in a semester under faculty advice with the approval of the Head of the department.

Grade 'X': Awarded to a student having high CIE rating ($\geq$ 90%) in a Course, but SEE performance observed to be poor, which could result in an overall F Grade in the Course.

Grade 'N': Awarded to a student not fulfilling either satisfactory attendance and / or CIE.

LETTER GRADE AND GRADE POINTS (M.TECH | MBA)

Letter Grade	Grade – Points	Raw Score	Remark
S	10	≥ 90%	Outstanding
A	09	< 90& ≥ 80%	Excellent
B	08	< 80 & ≥ 70%	Very Good
C	07	< 70 & ≥ 60%	Good
D	06	< 60 & ≥ 50%	Average
E	04	< 50 & ≥ 40%	Poor
F	00	< 40 %	Fail
PP (For Non-credit courses)			Passed
NP (For Non-credit courses)			Not passed

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LETTER GRADE AND GRADE POINTS (MCA)

Letter Grade	Grade – Points	Raw Score	Remark
S	10	≥ 90%	Outstanding
A	09	< 90& ≥ 80%	Excellent
B	08	< 80 & ≥ 70%	Very Good
C	07	< 70 & ≥ 60%	Good
D	06	< 60 & ≥ 55%	Average
E	04	< 55 & ≥ 50%	Poor
F	00	< 50 %	Fail
PP (For Non-credit courses)			Passed
NP (For Non-credit courses)			Not passed

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EVALUATION OF PERFORMANCE

The overall performance of a student will be indicted by two indices: **SGPA, which is the Semester Grade Point Average**, and **CGPA which is the Cumulative Grade Point Average.**

SGPA for a semester is computed as follows:

$$SGPA = \frac{\sum[(Course\ credit)\ X\ (Grade\ point)]\ (For\ all\ courses\ that\ semester\ excluding\ transitional\ grades)}{\sum[(Course\ credits)]\ (For\ all\ the\ courses\ in\ that\ semester\ excluding\ transitional\ grades)}$$

CGPA is computed as follows:

$$CGPA = \frac{\sum[(Course\ credit)\ X\ (Grade\ point)\ (Considering\ all\ courses\ excluding\ transitional\ \&\ 'F'\ grades\ until\ that\ semester\ )]}{\sum[(Course\ credits)]}$$

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AWARD OF CLASS

Percentage Equivalence of Grade Points (on a 10-Point Scale) as per AICTE	
SGPA / CGPA	Percentage of Marks / Class
5.75	50 (Second Class)
6.25	55
6.75	60 (First Class)
7.25	65
7.75	70 (Distinction)
8.25	75

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ELIGIBILITY CRITERIA FOR UPWARD MOVEMENT

i.   There shall be no restriction for promotion from an odd semester to the next even semester, provided the student has fulfilled the attendance requirement.

ii.   A student must secure a Minimum CGPA = 5.0 at the end of every academic year.

iii.   A student shall also be eligible for the first time, with a warning to move to higher odd semester, if he / she has failed to secure a minimum CGPA = 5.00 at the end of any academic year.

iv.   For the award of degree, a CGPA ≥ 5.00 at the end of programme shall be mandatory.

v.   Also, the students are eligible to register as per the conditions mentioned below:

Semester	Eligibility Criteria
First	--
Second	--
Third	Can carry maximum of four incomplete courses from previous 2 semesters
Fourth	--

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ELIGIBILITY CRITERIA FOR UPWARD MOVEMENT

Noncompliance of CGPA ≥ 5.00 at the end of an academic year

➤ In case, the CGPA falls below 5.00 at the end of an academic year for the second time during the subsequent academic years, the student shall not be permitted for the next higher odd semester.

➤ For the above such case, the students are permitted to appear again for SEE in full or part of the corresponding previous semester courses/s by rejecting the performance of them (Other than Internship, Technical Seminar, Project and Laboratories) for only one time during the maximum duration of the degree programme.

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SUPPLEMENTARY SEMESTER

I.   Student who have secured 'F' /'N' / 'W' – Grade (New Courses / Courses dropped during the regular semester are NOT allowed for registration during the Supplementary Semester) in an academic year, are eligible to register for Supplementary Semester for a maximum of 20 Credits. Student appearing for the supplementary semester should gain prescribed attendance & CIE marks for the failed courses and then the student is eligible to appear for Supplementary Semester SEE.

   a.   The student who appeared for supplementary semester SEE and gets 'F' grade, then the gained attendance from supplementary semester will be carry forwarded by forfeiting the CIE Marks only if the student has got the eligibility for upward movement to the next academic year.

   b.   The student who has gained attendance & CIE marks from the supplementary semester but fails to appear for Supplementary Semester SEE, then the gained attendance from supplementary semester will be carry forwarded by forfeiting the CIE Marks only if the student has got the eligibility for upward movement to the next academic year.

   c.   The Case (a and b) student shall register for the subsequent regular main semester (i.e. Odd & Even) by gaining the fresh CIE, if that course is offered in the department. And further, if the student fails again then the student can register for Supplementary Semester by gaining again the fresh CIE.

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SUPPLEMENTARY SEMESTER (CONT.…)

II. If the failed student does not register for Supplementary Semester but the student is eligible to move upward, in such case, the student should gain the prescribed attendance & CIE marks through the Supplementary Semester and can appear for Supplementary Semester SEE.

III. If the student fails in ONE credit or TWO credit or Mandatory Learning / Audit Courses, then the student has to take only CIE (Relaxation for Attendance) in the Supplementary Semester.

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GRADUATION REQUIREMENTS

A Student shall be declared to be eligible for the award of the degree if

a. Fulfilled Degree Requirements

b. No Dues to the College, Departments, Hostels, Library, Central Computer Centre and

    any other centers.

c. No disciplinary action pending.

The award of the degree must be recommended by the Academic Council.

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GRADUATION CEREMONY

➢ Provisional degree will be awarded in person or in absentia for the students who have successfully completed the degree requirements during the preceding academic year.

➢ Students are required to apply for the convocation along with prescribed fee to the university after having satisfactorily completed all the degree requirements within the specified date for the award of degree.

AWARD OF PRIZES, MEDALS AND RANKS

➢ For the award of Prizes and Medals, the conditions stipulated by the Donor may be considered as per the statutes framed by the College for such awards.

➢ The total number of ranks awarded shall be 10 or 10% of total number of candidates appeared in final semester whichever less in that branch.

➢ **A student shall be eligible for a rank at the time of award of degree, provided the student,**
  i. Has passed first to final semester in all the courses in first attempt only in case of students admitted in first year.
  ii. Has completed all the prescribed Audit / Mandatory Courses.
  iii. Is not a repeater in any semester because of rejection of result of a Semester / Shortage of attendance etc.
  iv. Has completed all the semester without any break / discontinuity.

➢ **The following types of students are not consider for the rank,**
  i. Students who dropped the course in any semester.
  ii. Students who wrote Make-up / Supplementary exams in any semester.
  iii. Students who have N / I / W / X / F grade in a course in any semester.

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CONDUCT AND DISCIPLINE

As per the order of Honorable Supreme Court of India, ragging in any form is considered as a Criminal offence and is banned and any form of involvement in ragging will be severely dealt with.

The following acts of omission/ or commission shall constitute gross violation of the code of conduct and are liable to invoke disciplinary measures

a.   Ragging.

b.   Lack of courtesy and decorum; indecent behavior anywhere within or outside the campus.

c.   Possession and use of mobile phones inside the institution premises.

d.   Willful damage or stealthy removal of any property / belongings of the College/Hostel or of fellow students/ Citizens.

e.   Possession, consumption or distribution of alcoholic drinks or any kind of hallucinogenic drugs.

f.   Mutilation or unauthorized possession of Library books.

g.   Noisy and unseemly behavior, disturbing studies of fellow students.

h.   Hacking in computer systems(such as entering into other Person's area without prior permission, manipulation and /or Damage of Computer hardware and Software or any other Cyber Crime etc.,).

i.   Plagiarism of any nature.

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CONDUCT AND DISCIPLINE

j.   Any other act of gross indiscipline and malpractice as decided by the Academic Council from time to time. Commensurate with the gravity of offense, the punishment may be to reprimand, expulsion from the hostel, debarment from an examination, disallowing the use of certain facilities of the College, rustication for a specified period or even outright expulsion from the College or even handing over the case to appropriate law enforcement authorities or the judiciary, as required by the circumstances.

For an offence committed in a hostel or in a department or in a class room and elsewhere, the Chief Warden, the Head of the Department and the Student Welfare Officer, shall be the authority to reprimand or impose fine.

All students after seeking admission to this Autonomous Institution, right from course registration till the date of declaration of graduation, any cases of adoption of unfair means and/ or any malpractice related to examination shall be reported to Controller of Examination. All such cases involving punishment / fine reprimand shall be referred to the committee / Malpractice Committee (as the case maybe) and decision of Controller of Exams will be final and binding.

The Authorities of P.E.S. College of Engineering, Mandya have rights to make amendments to the above Rules and Regulations from time to time and the same is binding on students.

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Institution's Innovation Council

Institution

Innovation

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IIC-PESCE 2021-22

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IIC 4.0-ANNUAL REPORT

About IIC-PESCE

IIC-PESCE has established in the academic year 2018-2019 with an aim to create entrepreneurial environment in the HEI and its surrounding. And the organization is successfully running the IIC from the past four years with conducting ample amount of activities and trainings for students as well as faculties.

Council Members:

Sl. No.	Name	Designation
1	Dr. R M Mahalinge Gowda	Principal
2	Dr. Vinay S	TPO, President IIC-PESCE
3	Mr. Pavan K N	Vice President IIC-PESCE
4	Mr. Siddesh Kumar N M	Convenor IIC-PESCE
5	Dr. N Jagadeesh	Member
6	Mr. Shivaraj Nayak	Member
7	Mr. Ramesh Kurbet	Member
8	Mr. Chetan Kumar V	Member
9	Mrs. H L Shilpa	Member
10	Dr. A C Kiran Kumar	Member
11	Mr. Yatish M K	Member
12	Mr. Manohar H C	Member
13	Mrs. Meghana S	Member
14	Dr. Mahesh	Member
15	Mr. Ravi Y C	Member
16	Mrs. Rashmi M P	Member
17	Mrs. Divyashree M	Member
18	Mr. Akshay R N	Member
19	Mrs. Bhavya D	Member
20	Mr. Suraj B S	Member
21	Ms. Gaana H	Member
22	Mr. M Sreenivasa	Member
23	Mr. Rakshith N	Member
24	Dr. Sudeendra Koushik	External Member
25	Dr. D K Subramanian	External Member
26	Mr. Pavan Mujumdar	External Member

Roles and responsibilities of members defined at College level

Sl. No.	Name	Roles
1	Mr. Siddesh Kumar N M	ARIIA Coordinator
2	Dr. N Jagadeesh	Internship activity coordinator
3	Mr. Ramesh Kurbet	Innovation activity and Social Media coordinator
4	Mr. Chetan Kuamr V	Start-up activity and NIRF Coordinator
5	Dr. A C Kiran Kumar	IPR activity coordinator

Path of IIC-PESCE: During the academic year 2018-2019, when IIC-PESCE established it has ONE STAR rating and same rating retained during academic year 2019-2020, and for the academic year 2020-2021 IIC-PESCE has reached to THREE STAR rating.

Notable Achievements:

1. Student team from HEI has been the finalists in Anveshana-2022 event.
2. MBA students have won numerous prizes in the state level and National level events organized by various institutions across state.
3. Manikant Amaresh Savadathi, final year, Department of Eelectronics and Communication Engineering student awarded first prize in Young Engineer's Entrepreneurship Program conducted on December 2021 by IEEE-TEMS Bengaluru.
4. Chandan M, Suraj R, Nandan V H, Jagadeesh V K and Bheem Kumar Haloor, pre-final year, Department of Electrical and Electronics Engineering students secured second prize at Shark Tank Event held during INTERACT-2022 on 3rd and 4th June at Global Academy of Technology, Bengaluru.
5. Smart India Hackathon – Akshay Kumar Gautham and team, Department of Information Science and Computer Science, won first prize along with 1 lakh Rupee cash prize in SIH-2022.
6. Chandan M, Suraj R and Ankitha H R, Department of Electrical and Electronics Engineering and Electronics and Communication Engineering students participated and selected in top 33 ideas at Manthan-2022 Business Pitch Competition.
7. Dheeraj N U, Pre-final year, Department of Mechanical Engineering Student published a research article in collobration with Wysconsin Milwake, USA and Sunny Polytechnic, USA.
8. Intellectual Property Rights (IPR)

SI No	Title	Application No	Inventor Name	Date	Status
1	With solar water boiling system increase thermo electric capacity	202141043279	Mr. Siddesh Kumar N M Dr. S Ghanaraja Mr. Ganapathy Bawge Mr. Avinash M Mr. Samrat Ms. Dhruthi	05/11/2021	Published
2	A systematic approach to improve the resin	202141057194	Mr. Siddesh Kumar N M PES College of	04/02/2022	Published

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			Engineering Mr. Ramesh Kurbet Mr. Harshith Kumar T S Mr. Basavanna S Mr. Shashank T N Mr. Prashanth Nayak K S		
3	Construction of cheap verbalized robotic hand for specific adherence	202141043085	Mr. Ramesh Kurbet Dr. Mohammad Rafi H Kerur Dr. Lakshmi Narasimha Murthy H R Mr. Siddesh Kumar N M Mr. Nouman Khan Mr. Talluri Nikhil	05/11/2021	Published
4	Extraction of Energy through Magnetic Bearings	202241000664	Mr. RAMESH KURBET Mr. SIDDESH KUMAR N M Dr. GHANARAJA S Dr. RUDRESHI ADDAMANI Mr. RANJITH K Mr. HARSHITH KUMAR T S Mr. YATHISH M K Dr. B S SHIVAKUMARA Mr. SANJAY R	21/01/2022	Published
5	Design grant- "Touch KIOSK"	362874-001	Mr. Ramesh Kurbet PES College of Engineering Dr. Vinay S Mr. Siddesh Kumar N M Mr. Avinash M Dr. H R Lakshmi Narasimha Murthy Mr. Charan H Mr. Suraj R Miss. Rakshitha M N Miss. Monika Raj M R Mr. Dheeraj N U Miss. Anvika	30/09/2022	Published and Granted
6	Design grant- "Virtual Fault Detector"	362873-001	Mr. Siddesh Kumar N M PES College of Engineering Dr. Vinay S	07/10/2022	Published and Granted

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			Dr.Rudreshi Addamani Mr. Ramesh Kurbet Mr. Chinnegowda H S Mr. Chandan M Miss. Lakshmi H P Miss. Pallavi H C Miss. Ankitha H R Mr. Bheem kumar Haloor Miss. Bhoomika H L		
7	Fully autonomous smart manufacturing unit using Intelligent Feature Recognition Algorithm	2021102713	Dr. Sadashiva M Dr. Sh rinivas M R	23/06/2021	Published
8	Online reinforced learning of assembly sequence planning with interactive guidance systems for industry 4.0,	202141032004 A	Dr. Sadashiva M Dr. Shrinivas M R	16/07/2021	Published

Notable Events conducted during 2021-22

1. IEEE-YEEP mentorship program was successfully held in the institution.
2. Dr. Shivashankar from SJCE-STEP has delivered speech related to funding opportunities available for startups.
3. One week boot camp was organized by IIC-PESCE in the month of January.
4. SIH registration and scrutiny along with mentoring.
5. Institute level internal hackathon was organized and selected teams were nominated for SIH.
6. Boot camps have been organized for first year B E students on Rapid Prototyping and under Social Innovation cause as of challenge students prepared the toys for autism and dyslexia children.
7. Faculties were trained under "Train the trainer" program at TCE, Mangalore.
8. Celebration activities were conducted on the respective dates.
9. MIC driven activities were conducted in the institution.
10. Impact Lecturer series were followed on the dates.
11. 13 Members have completed Innovation Ambassador Foundation level course and registered for advance Innovation Ambassador Course. Model.
12. 50+ activities conducted among student and faculties.
13. Basic level boot camp have been planned and identified around 10 ideas.
14. Students won State level Pitch competition and to bring awareness from the 1st year Rapid prototyping and Social Innovation course has been planned and conducted

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Ph: 08232–220043 | iic@pesce.ac.in | Web Site: www.pescemandya.org
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15. 120 Prototypes has been built by the 1st year students.
16. 50+ Teams Participated in Internal Hackathon, 20 teams shortlisted and sent to Smart India Hackathon. 3 teams shortlisted for grand finale. 1 team won 1 lakh rupees cash prize.
17. Maker's space and thinker space lab equipped with laser cutting, 3d printing machines, other power and hand tools

Events details

Following are the activities conducted through IIC-PESCE under celebration activities;

Date	Day of Celebration	Quarter
1st Oct 2021	India Startup Day	Q1
15th Oct 2021	National Innovation Day	
11th Nov 2021	National Education Day	
2nd Dec 2021	National Pollution Control Day	Q2
14th Dec 2021	National Energy Conservation Day	
28th Feb 2022	National Science Day	
22nd April 2022	World Earth Day	Q3
26th April 2022	World Intellectual Property Day	
11th May 2022	National Technology Day	
5th June 2022	World Environment Day	Q4
21st Aug 2022	World Entrepreneurs Day	

Self-driven activities conducted by IIC-PESCE

Date	Event Conducted	Quarter
14th Dec 2022	Funding Opportunities for startups	Q2
11th Jan to 14th Jan 2022	Boot camp for selected ideas under ideathon	
24th Feb 27th Feb 2022	Boot camp for first-year students on Rapid prototyping	
7th Mar to 11th Mar 2022	Boot camp for first-year students on rapid prototyping	Q3
15th Mar 2022	College level hackthon	
6th June 2022	Opportunities at IIC- Technical Talk Mr. Siddesh Kumar N M	Q4
7th June 2022	IIC- A career path Technical Talk by Mr. Siddesh Kumar N M	
24th June 2022	Demo Day exhibition and Makerspace Inauguration	
29th June 2022	Students at IIC-PESCE Technical Talk by Mr. Siddesh Kumar N M	
6th July 2022	Hands-on Experience with Arduino for Technical staff	
25th July to	Rapid prototyping boot camp for students to	

![IIC-PESCE logo]

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| 30th July 2022 | build games for autistic children | |
| 22nd Aug to 27th Aug 2022 | Rapid prototyping boot camp for students to build games for dyslexia children | |

Photo Gallery

The Habbit of Successful Entrepreneur's Talk By Ms. Anvika

Journey of Idea into startup Talk by Mr. Suraj and Mr. Chandan

Technical Talk on Opportunities at IIC-PESCE by Mr. Siddesh Kumar N M

Father Joseph Explaining about Characteristics of Autism students

Project Explanation for delegates

Technical Talk arranged for MBA students

Inauguration of new maker-space lab

Technical Talk by Mr. Siddesh Kumar N M on opportunities for faculty members at IIC

College level hackthon

Technical Talk by Mr. Siddesh Kumar N M

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	on Faculty activities at IIC
 Students crowd gathered during celebrate world IPR day	 Student activity during boot camp
 Students posing after boot camp with trainers	 Trainer engaging students during boot camp
 Students Preparing during Boot Camp	 First-year BE students during Boot camp on Rapid Prototyping

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Internal Hackathon conducted at college level, teams were selected for SIH based on ideas.

Glimpse of IIC meeting

![IIC-PESCE logo]

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Boot camp organized for the students to come up with prototype

Boot camp on Rapid prototyping for first year BE student

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Discussion on implementation of NISP Policy

Student's awareness session on innovation and entrepreneurship

![IIC-PESCE Logo]

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Students building prototypes

IIC Regional meet

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Pros and Cons of the Course and difficulties faced during the conduction of the course

- Course is not a credit based course hence while giving the final certificate if grading system exist means the students will be more conscious and attend the course in an effective way.
- Lack of awareness on the course why it is important. Conduction of FDP & EDP may bring interest on the course.
- Class room and infrastructure was the problem, as it is an activity based course it requires speakers and other musical aids to deliver the sessions.

Requesting for the following facilities from Dean Academics to improve the effectiveness of the course

- Grading system in the certificate can bring awareness in the course
- FDP and EDP can bring awareness for faculties
- Requesting to float one open elective on patent drafting and innovation related course
- Student idea need to be recognized globally hence drafting course is required and requested like research methodology course

Thank you

Roll No: NPTEL22ME04S43910487

To
RATHAN R
#74, 2ND CROSS NANDINI LAYOUT 1ST STAGE
KARNATAKA - 570028
PH. NO :9740113094

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to

RATHAN R

for successfully completing the course

Principles of Industrial Engineering

with a consolidated score of **51** %

Online Assignments	17.81/25	Proctored Exam	33.68/75

Total number of candidates certified in this course: **275**

Prof. Sanjeev Manhas
Coordinator, Continuing Education Centre
IIT Roorkee

Jan-Apr 2022
(12 week course)

Prof. Priti Maheshwari
NPTEL Coordinator
IIT Roorkee

Indian Institute of Technology Roorkee

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Roll No: NPTEL22ME04S33910276

To
MOHAN KUMAR U A
UPPALAGERIKOPPALU VILLAGE
MALAVALLI TALUK, MANDYA DISTRICT
MANDYA
KARNATAKA - 571463
PH. NO :7090154310

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to

MOHAN KUMAR U A

for successfully completing the course

Principles of Industrial Engineering

with a consolidated score of **70** %

Online Assignments	21.88/25	Proctored Exam	48/75

Total number of candidates certified in this course: **275**

Prof. Sanjeev Manhas
Coordinator, Continuing Education Centre
IIT Roorkee

Jan-Apr 2022
(12 week course)

Prof. Priti Maheshwari
NPTEL Coordinator
IIT Roorkee

Indian Institute of Technology Roorkee

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Roll No: **NPTEL22ME04S34360025**

To
MITHUN K N
KAMALAPURA (POST) HANDANKERE (HOBLI)
CHIKNAYAKANAHALLI (TQ) TUMKAKURU(DIST)
TUMAKURU
KARNATAKA - 572217
PH. NO :7795103040

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to

MITHUN K N

for successfully completing the course

Principles of Industrial Engineering

with a consolidated score of **73** %

Online Assignments	20.94/25	Proctored Exam	52.5/75

Total number of candidates certified in this course: **275**

Prof. Sanjeev Manhas
Coordinator, Continuing Education Centre
IIT Roorkee

Jan-Apr 2022
(12 week course)

Prof. Priti Maheshwari
NPTEL Coordinator
IIT Roorkee

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Roll No: NPTEL22ME04S33910274

To
MOHAMMED MUSTHAK
1STCROSSHALAHALLINEARCHANNYAPARKMANDYA
8THCROSSNOORANIMOHALLAHALAHALLIMANDYA
MANDYA
KARNATAKA - 571401
PH. NO :7975153366

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to

MOHAMMED MUSTHAK

for successfully completing the course

Principles of Industrial Engineering

with a consolidated score of **68** %

Online Assignments	22.81/25	Proctored Exam	45/75

Total number of candidates certified in this course: **275**

Prof. Sanjeev Manhas
Coordinator, Continuing Education Centre
IIT Roorkee

Jan-Apr 2022
(12 week course)

Prof. Priti Maheshwari
NPTEL Coordinator
IIT Roorkee

Indian Institute of Technology Roorkee

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This certificate is computer generated and can be verified by scanning the QR code given below.

Roll No: NPTEL22ME04S43910467

To
RAKESH S
RAKESH S S/O OF SIDDARAJU
GOWTHAM STREET , YELANDUR TOWN
YELANDUR
KARNATAKA - 571441
PH. NO :7975864558

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to

RAKESH S

for successfully completing the course

Principles of Industrial Engineering

with a consolidated score of **55** %

Online Assignments	22.81/25	Proctored Exam	32.15/75

Total number of candidates certified in this course: **275**

Prof. Sanjeev Manhas
Coordinator, Continuing Education Centre
IIT Roorkee

Jan-Apr 2022
(12 week course)

Prof. Priti Maheshwari
NPTEL Coordinator
IIT Roorkee