

Section 1: Policy And Institutionalization Of I&E Activities In HEIs (Academic Calendar Year 2020-21 & 2021-22)

1.1) Adoption Level of Innovation and Entrepreneurship (I&E) Policy in HEIs: Registration; Policy Formulation; Policy Implementation

| Completion of Action Items (status as on 31st October 2022) | Status |
|--|--------|
| Registered in the NISP portal for I&E Policy Adoption | Yes |
| Institute has Formulated an Innovation and Entrepreneurship (I&E) Policy | Yes |
| Institute has Action Plans for Implementation of the I&E Policy | Yes |

Contact:

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|---------------|-----------------------------|
| Faculty Name: | Dr. Maqhesh Shastri |
| Designation: | Assistant Professor |
| Email ID: | mahesh.shastri@ncetmail.com |
| Mobile No. | 9008835776 |

1.2) Performance Level of Institution's Innovation Councils (IICs) Established in HEIs: Scores and Stars Obtained

| Annual Performances of IIC Institute | Stars Secured |
|--------------------------------------|-------------------|
| IIC 1.0 (2018-19) | |
| IIC 2.0 (2019-20) | 1 |
| IIC 3.0 (2020-21) | 4 |
| IIC 4.0 (2021-22) | 0 (On Progress) |

Contact:

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|---------------------------------|--------------------------|
| IIC President of the Institute: | Dr. Geethanjali G |
| Designation: | Associate Professor |
| Email ID: | geethanjali@ncetmail.com |
| Mobile No. | 9880504416 |

1.3) Activeness of Trained Innovation Ambassadors in Driving Campus I&E Ecosystems in HEIs: Trained IA/HEI and Nos of Prescribed Activities undertaken by IA

| Sr. No. | Name of the Faculty IA | Level of Training | No of I&E Expert Talks/Sessions Conducted |
|---------|------------------------|-------------------|---|
| 1 | Vinod Kumar R | Advance | 0 |
| 2 | Balaji Y S | Basic | 0 |
| 3 | Dr. Rohith S | Basic | 0 |
| 4 | Sunitha M. | Basic | 0 |
| 5 | Archana B S | Basic | 0 |
| 6 | Shruthi K S | Basic | 0 |
| 7 | Dr Yogeesha H C | Advance | 0 |
| 8 | Sriram S | Advance | 1 |
| 9 | Dr. Geethanjali G | Basic | 0 |

1.4) Participation in KAPILA/SIH Program

| | | |
|--|--------|-----|
| HEI Registered in the KAPILA Portal | C-1407 | Yes |
| HEI Participated in the Smart India Hackathon (2022) | C-1407 | Yes |

Section 2: Teaching and Learning: Academic Programs related to Innovation and Entrepreneurship (I&E) Offered by the HEI

2.1) Academic Courses in Innovation, Entrepreneurship and IPR

| Srno | Title of Course | Course Code | Academic Year | Type of Course | Level of Course | Course Offering Department/ Centre/ Unit Name | Total Credit Score | Course Start Date | Course End Date |
|-------------|--------------------------------------|--------------------|----------------------|-----------------------|------------------------|---|---------------------------|--------------------------|------------------------|
| 1 | Data Structure using C | 20ECT35 | 2021-22 | Core Course | Bachelor | Department of Electronics and Communication Engineering | 3 | 11-10-2021 00:00:00 | 31-01-2022 00:00:00 |
| 2 | Microprocessors and Microcontrollers | 20ECT42 | 2021-22 | Core Course | Bachelor | Department of Electronics and Communication Engineering | 3 | 10-05-2022 00:00:00 | 13-08-2022 00:00:00 |
| 3 | Fundamentals of HDL (IC) | 20ECI43 | 2021-22 | Core Course | Bachelor | Department of Electronics and Communication Engineering | 4 | 10-05-2022 00:00:00 | 13-08-2022 00:00:00 |
| 4 | Fundamentals of CMOS VLSI (IC) | 19ECI52 | 2021-22 | Core Course | Bachelor | Department of Electronics and Communication Engineering | 4 | 11-10-2021 00:00:00 | 31-01-2022 00:00:00 |
| 5 | Enterprise Management | 19ECT54 | 2021-22 | Core Course | Bachelor | Department of Electronics and Communication Engineering | 4 | 11-10-2021 00:00:00 | 31-01-2022 00:00:00 |
| 6 | Digital Switching Systems | 19ECT551 | 2021-22 | Elective Course | Bachelor | Department of Electronics and Communication Engineering | 3 | 11-10-2021 00:00:00 | 31-01-2022 00:00:00 |
| 7 | Control Systems | 19ECT553 | 2021-22 | Elective Course | Bachelor | Department of Electronics and Communication Engineering | 3 | 11-10-2021 00:00:00 | 31-01-2022 00:00:00 |
| 8 | Web Technology | 19ECT562 | 2021-22 | Elective Course | Bachelor | Department of Electronics and communication Engineering | 3 | 11-10-2021 00:00:00 | 31-01-2022 00:00:00 |
| 9 | JAVA Programming | 19ECT563 | 2021-22 | Elective Course | Bachelor | Department of Electronics and Communication Engineering | 3 | 11-10-2021 00:00:00 | 31-01-2022 00:00:00 |

| Srno | Title of Course | Course Code | Academic Year | Type of Course | Level of Course | Course Offering Department/ Centre/ Unit Name | Total Credit Score | Course Start Date | Course End Date |
|-------------|---------------------------------------|--------------------|----------------------|-----------------------|------------------------|---|---------------------------|--------------------------|------------------------|
| 10 | ARM Processors | 19ECT641 | 2021-22 | Elective Course | Bachelor | Department of Electronics and Communication Engineering | 3 | 05-04-2022 00:00:00 | 11-07-2022 00:00:00 |
| 11 | Internet Of Things Technology | 19ECT642 | 2021-22 | Elective Course | Bachelor | Department of Electronics and Communication Engineering | 3 | 05-04-2022 00:00:00 | 11-07-2022 00:00:00 |
| 12 | CCNA routing and switching | 19ECT644 | 2021-22 | Elective Course | Bachelor | Department of Electronics and Communication Engineering | 3 | 05-04-2022 00:00:00 | 11-07-2022 00:00:00 |
| 13 | Artificial Neural Networks | 19ECT651 | 2021-22 | Elective Course | Bachelor | Department of Electronics and Communication Engineering | 3 | 05-04-2022 00:00:00 | 11-07-2022 00:00:00 |
| 14 | Image Processing | 19ECT652 | 2021-22 | Elective Course | Bachelor | Department of Electronics and Communication Engineering | 3 | 05-04-2022 00:00:00 | 11-07-2022 00:00:00 |
| 15 | Salesforce administrator or developer | 19ECT654 | 2021-22 | Elective Course | Bachelor | Department of Electronics and Communication Engineering | 3 | 05-04-2022 00:00:00 | 11-07-2022 00:00:00 |
| 16 | LabVIEW Level one | 19HOE661 | 2021-22 | Elective Course | Bachelor | Department of Electronics and Communication Engineering | 3 | 05-04-2022 00:00:00 | 11-07-2022 00:00:00 |
| 17 | Wireless and Mobile Communication | 19HOE663 | 2021-22 | Elective Course | Bachelor | Department of Electronics and Communication Engineering | 3 | 05-04-2022 00:00:00 | 11-07-2022 00:00:00 |
| 18 | Embedded Systems | 18ECT71 | 2021-22 | Core Course | Bachelor | Department of Electronics and Communication Engineering | 4 | 11-10-2021 00:00:00 | 31-01-2022 00:00:00 |

| Srno | Title of Course | Course Code | Academic Year | Type of Course | Level of Course | Course Offering Department/ Centre/ Unit Name | Total Credit Score | Course Start Date | Course End Date |
|-------------|--|--------------------|----------------------|-----------------------|------------------------|---|---------------------------|--------------------------|------------------------|
| 19 | Data Communication (IC) | 18ECI72 | 2021-22 | Core Course | Bachelor | Department of Electronics and communication Engineering | 4 | 11-10-2021 00:00:00 | 31-01-2022 00:00:00 |
| 20 | Satellite Communication | 18ECT731 | 2021-22 | Elective Course | Bachelor | Department of Electronics and Communication Engineering | 3 | 11-10-2021 00:00:00 | 31-01-2022 00:00:00 |
| 21 | Optical Fiber communication | 18ECT733 | 2021-22 | Elective Course | Bachelor | Department of Electronics and Communication Engineering | 3 | 11-10-2021 00:00:00 | 31-01-2022 00:00:00 |
| 22 | Artificial Intelligence and Machine Learning | 18ECT732 | 2021-22 | Elective Course | Bachelor | Department of Electronics and Communication Engineering | 3 | 11-10-2021 00:00:00 | 31-01-2022 00:00:00 |
| 23 | Operations Research | 18ECT741 | 2021-22 | Elective Course | Bachelor | Department of Electronics and communication Engineering | 3 | 11-10-2021 00:00:00 | 31-01-2022 00:00:00 |
| 24 | Data Analytics | 18ECT742 | 2021-22 | Elective Course | Bachelor | Department of Electronics and communication Engineering | 3 | 11-10-2021 00:00:00 | 31-01-2022 00:00:00 |
| 25 | Cloud Computing with AWS | 18ECT743 | 2021-22 | Elective Course | Bachelor | Department of Electronics and Communication Engineering | 3 | 11-10-2021 00:00:00 | 31-01-2022 00:00:00 |
| 26 | LabVIEW Level two | 18HOE751 | 2021-22 | Elective Course | Bachelor | Department of Electronics and Communication Engineering | 3 | 11-10-2021 00:00:00 | 31-01-2022 00:00:00 |
| 27 | Cryptography and Network Security | 18HOE752 | 2021-22 | Elective Course | Bachelor | Department of Electronics and communication Engineering | 3 | 11-10-2021 00:00:00 | 31-01-2022 00:00:00 |

| Srno | Title of Course | Course Code | Academic Year | Type of Course | Level of Course | Course Offering Department/ Centre/ Unit Name | Total Credit Score | Course Start Date | Course End Date |
|-------------|--|--------------------|----------------------|-----------------------|------------------------|---|---------------------------|--------------------------|------------------------|
| 28 | Industrial IOT using TI Microcontroller | 18HOE753 | 2021-22 | Elective Course | Bachelor | Department of Electronics and Communication Engineering | 3 | 11-10-2021 00:00:00 | 31-01-2022 00:00:00 |
| 29 | DevNet Associate | 18HOE754 | 2021-22 | Elective Course | Bachelor | Department of Electronics and Communication Engineering | 3 | 11-10-2021 00:00:00 | 31-01-2022 00:00:00 |
| 30 | Internship | 18ECI85 | 2021-22 | Core Course | Bachelor | Department of Electronics and Communication Engineering | 3 | 05-04-2022 00:00:00 | 11-07-2022 00:00:00 |
| 31 | Construction Quality Management System | 19CVT54 | 2020-21 | Core Course | Bachelor | Department of Civil Engineering | 3 | 11-10-2021 00:00:00 | 31-01-2022 00:00:00 |
| 32 | Construction Management and Entrepreneurship | 19CVH58 | 2020-21 | Core Course | Bachelor | Department of Civil Engineering | 3 | 11-10-2021 00:00:00 | 31-01-2022 00:00:00 |
| 33 | Construction Project Management | 20CCT13 | 2020-21 | Core Course | Master | Department of Civil Engineering | 4 | 27-01-2021 00:00:00 | 13-05-2021 00:00:00 |
| 34 | Risk and Material Management | 20CCT14 | 2020-21 | Core Course | Master | Department of Civil Engineering | 4 | 27-01-2021 00:00:00 | 13-05-2021 00:00:00 |
| 35 | Research Methodology and IPR | 20CCT17 | 2020-21 | Core Course | Master | Department of Civil Engineering | 2 | 27-01-2021 00:00:00 | 13-05-2021 00:00:00 |
| 36 | Research Methodology and IPR | 20CSE17 | 2020-21 | Core Course | Master | Department of Civil Engineering | 2 | 27-01-2021 00:00:00 | 13-05-2021 00:00:00 |
| 37 | Construction Quality Management System | 19CVT54 | 2021-22 | Core Course | Bachelor | department of Civil Engineering | 3 | 17-01-2022 00:00:00 | 30-04-2022 00:00:00 |

| Srno | Title of Course | Course Code | Academic Year | Type of Course | Level of Course | Course Offering Department/ Centre/ Unit Name | Total Credit Score | Course Start Date | Course End Date |
|-------------|---|--------------------|----------------------|-----------------------|------------------------|---|---------------------------|--------------------------|------------------------|
| 38 | Construction Management and Entrepreneurship | 19CVH58 | | Core Course | Bachelor | department of Civil Engineering | 3 | 17-01-2022 00:00:00 | 30-04-2022 00:00:00 |
| 39 | Estimation and Quantity Surveying in Construction | 19CVT62 | 2021-22 | Core Course | Bachelor | department of Civil Engineering | 3 | 04-04-2022 00:00:00 | 11-07-2022 00:00:00 |
| 40 | Construction planning Techniques | 19CVT63 | 2021-22 | Core Course | Bachelor | department of Civil Engineering | 4 | 04-04-2022 00:00:00 | 11-07-2022 00:00:00 |
| 41 | Smart cities and Application of IOT | 18HOE753 | 2021-22 | Elective Course | Bachelor | department of Civil Engineering | 3 | 17-01-2022 00:00:00 | 30-04-2022 00:00:00 |
| 42 | Construction Project Management | 21CCT13 | 2021-22 | Core Course | Master | department of civil engineering | 4 | 21-02-2022 00:00:00 | 31-05-2022 00:00:00 |
| 43 | Risk and Material Management | 21CCT14 | 2021-22 | Core Course | Master | department of civil engineering | 4 | 21-02-2022 00:00:00 | 31-05-2022 00:00:00 |
| 44 | Research Methodology and IPR | 21CCT17 | 2021-22 | Core Course | Master | department of civil engineering | 2 | 21-04-2022 00:00:00 | 31-05-2022 00:00:00 |
| 45 | Research Methodology and IPR | 21CSE17 | 2021-22 | Core Course | Master | department of civil engineering | 2 | 21-02-2022 00:00:00 | 31-05-2022 00:00:00 |
| 46 | Construction and Demolition Waste Management | 20CCT331 | 2021-22 | Elective Course | Master | department of civil engineering | 4 | 25-10-2021 00:00:00 | 31-01-2022 00:00:00 |
| 47 | Project Evaluation | 18ECP83 | 2021-22 | Core Course | Bachelor | department of electronics and communication engineering | 4 | 05-04-2022 00:00:00 | 11-07-2022 00:00:00 |

| Srno | Title of Course | Course Code | Academic Year | Type of Course | Level of Course | Course Offering Department/ Centre/ Unit Name | Total Credit Score | Course Start Date | Course End Date |
|------|-------------------------------------|-------------|---------------|-----------------|-----------------|---|--------------------|---------------------|---------------------|
| 48 | Object Oriented Programming using C | 19ECT561 | 2021-22 | Elective Course | Bachelor | department of electronics and communication engineering | 3 | 11-10-2021 00:00:00 | 31-01-2022 00:00:00 |

2.2) Non-Academic Courses in Innovation, Entrepreneurship and IPR

| Srno | Title of Course | Academic Year | Type of Certificate Program | Certificate Program/MDP/FDP/EDP Sponsored/Supported by | Certificate Program Offering Department/ Centre/ Unit Name | Program Start Date | Program End Date |
|------|---|---------------|-----------------------------------|--|--|---------------------|---------------------|
| 1 | Machine Learning Applications on Image Processing | 2021-22 | Faculty Development Program (FDP) | Central Govt. Agency | Department of Electronica and Communication Engineering | 17-01-2022 00:00:00 | 21-01-2022 00:00:00 |
| 2 | Applications of NI Lab view - Phase 1 | 2020-21 | Faculty Development Program (FDP) | Central Govt. Agency | Department of Electronics And Communication Engineering | 07-12-2020 00:00:00 | 12-12-2020 00:00:00 |
| 3 | Applications of NI Lab view - Phase 2 | 2020-21 | Faculty Development Program (FDP) | Central Govt. Agency | Department of Electronics and Communication Engineering | 25-01-2021 00:00:00 | 01-02-2021 00:00:00 |
| 4 | Applications of NI Lab view - Phase 3 | 2021-22 | Faculty Development Program (FDP) | Central Govt. Agency | Department of Electronics and Communication Engineering | 21-04-2021 00:00:00 | 27-04-2021 00:00:00 |
| 5 | Value added Course on Essentials of C programming | 2021-22 | Short-term Certificate Program | Self Sponsored/Supported | Department of Electronics and Communication Engineering | 09-04-2022 00:00:00 | 30-06-2022 00:00:00 |

| Srno | Title of Course | Academic Year | Type of Certificate Program | Certificate Program/MDP/FDP/EDP Sponsored/Supported by | Certificate Program Offering Department/ Centre/ Unit Name | Program Start Date | Program End Date |
|------|--|---------------|-----------------------------------|--|--|---------------------|---------------------|
| 6 | CONSTRUCTION MANAGEMENT AND ECONOMICS (Phase -1) | 2021-22 | Faculty Development Program (FDP) | State Govt. Agency | Department of Civil Engineering | 16-05-2022 00:00:00 | 21-05-2022 00:00:00 |
| 7 | CONSTRUCTION MANAGEMENT AND ECONOMICS (Phase -2) | 2021-22 | Faculty Development Program (FDP) | State Govt. Agency | Department of Civil Engineering | 13-06-2022 00:00:00 | 18-06-2022 00:00:00 |

Section 3: Pre-Incubation and Incubation Infrastructure & Facilities are Currently in Operation to Promote I&E Agenda (AY 2020-21 & 2021-22)

3.1) Existence of Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Cell/Startup Cell) (>= 600 Sq. Ft. Floor Area)

| Sr. No. | Type of the Unit | Name of Unit | In-charge Name | Contact no | Email | Govt. Schemes |
|---------|------------------|-----------------------------------|----------------|------------|-----------------------|-------------------|
| 1 | Innovation Cell | 7DPlus Technology Network Company | Yashas C | 8660318653 | yashasc2002@gmail.com | Mentoring Support |

3.2) Existence of Incubation Facility (>= 1500 Sq. Ft. Floor Area)

| Sr. No. | Name of Unit | In-charge Name | Contact no | Email | Govt. Schemes |
|---------|------------------------|--------------------|------------|-----------------------------|--------------------------|
| 1 | NCET Incubation Centre | Dr. Mahesh Shastri | 9008835776 | mahesh.shastri@ncetmail.com | CSR/Private,Own Resource |

3.3) Existence of IPR Cell / Patent Facilitation Unit / Technology Transfer Centre at the

institute

| Sr. No. | Type of the Unit | Name of Unit | In-charge Name | Contact no | Email | Govt. Schemes |
|---------|------------------|--------------------|----------------|------------|-----------------------|---|
| 1 | IPR Cell | NCET KSCST IP Cell | Dr. Rohith S | 9986957022 | s.rohith@ncetmail.com | Mentoring Support,Seed Grant Support,Pre-Incubation Facility Support (Idea to Prototype and Innovative Business Plan Development),Incubation Facility Support (Innovative Business Model to Startup and Market Linkage & Growth Stage),Investment - Angel a |

Section 4: Generation and Support of Ideas / Prototypes / Innovations at HEI and Recognition received (AY 2020-21 & 2021-22)

4) Total no. of Innovations (Verified and Recommended) in Different TRLs (4-9) are Recorded in the YUKTI National Innovation Repository of the IIC Institute (Status as on 31st October 2022)

| Sr. No. | Innovation Name | Developed as part of | FY of Development (FY. 2020-21,2021-22) | TRL Stage | Team Lead/Innovator Name | Current Engagement of Team Lead in Institute | Contact No |
|---------|--|------------------------------------|---|---|--------------------------|--|------------|
| 1 | Design and Fabrication of Modified Electric Bike for Disable Community | Academic Requirement/Study Project | 2021-22 | TRL 7 : Demonstration system operating in operational environment at pre-commercial scale | Mr. Gopinath A R | Faculty | |
| 2 | Live Detection of Plant Leaf Diseases by using CNN | Academic Requirement/Study Project | 2021-22 | TRL 6 : Prototype system tested in intended environment close to expected performance | Mr. Gopinath A R | Faculty | |

| Sr. No. | Innovation Name | Developed as part of | FY of Development (FY. 2020-21,2021-22) | TRL Stage | Team Lead/Innovator Name | Current Engagement of Team Lead in Institute | Contact No |
|---------|---|------------------------------------|---|---|--------------------------|--|------------|
| 3 | "AUTOMATED MEDICAL WASTE SEGREGATION SYSTEM USING MACHINE LEARNING" | Academic Requirement/Study Project | 2021-22 | TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype) | Mr. Gopinath A R | Faculty | |
| 4 | "Drone Delivery with Object Detection" | Academic Requirement/Study Project | 2021-22 | TRL 6 : Prototype system tested in intended environment close to expected performance | Mr. Gopinath A R | Faculty | |
| 5 | ALIVE HUMAN BEING DETECTION IN WAR FIELDS | Academic Requirement/Study Project | 2021-22 | TRL 6 : Prototype system tested in intended environment close to expected performance | Mr. Gopinath A R | Faculty | |
| 6 | Development of Li-ion Battery based Electric Buggy | Academic Requirement/Study Project | 2021-22 | TRL 6 : Prototype system tested in intended environment close to expected performance | Mr. Gopinath A R | Faculty | |

Section 5: Start-ups/Ventures Established and Supported at HEI and & Recognitions Received (AY 2020-21 & 2021-22)

5) Total no of Ventures/Startups (Verified and Recommended) are Recorded in the YUKTI National Innovation Repository of the IIC Institute (Status as on 31st October 2022)

| Sr. No. | Startup/Venture Name | Startup/Venture Registered as | CIN No/LLP/OPC/RC No | GST No | FY of Establishment | Startup/Venture Recognized by DPIIT/Startup India | FY of Started Receiving Support from the Incubation unit at the Institute |
|---------|----------------------|-------------------------------|----------------------|--------|---------------------|---|---|
|---------|----------------------|-------------------------------|----------------------|--------|---------------------|---|---|

No Data Found

Section 6: Collaboration with Other Incubation Units, HEIs and Industry Associations to Strengthen Better Services and Support to Innovation & Startups at HEI (AY 2020-21 & 2021-22)

6) Collaboration with Other Incubation Units, HEIs and Industry Associations to Strengthen Better Services and Support to Innovation & Startups at HEI (AY 2020-21 & 2021-22)

| Sr. No. | Collaborated Agency Name | Collaborated Agency Type | Period of Collaboration (No. of Years) | Current Status of Collaboration | Date of MOU / Agreement Signed on | View |
|---------|--|--------------------------------|--|---------------------------------|-----------------------------------|------|
| 1 | National Highway Authority of India | Govt. Agency (Central) | 5yrs | Active | 03-08-2020 | |
| 2 | Prakruthi Institute of Environmental Studies | Educational Institute | 5yrs | Active | 19-02-2021 | |
| 3 | Construction Management Training Institute | Corporate/Industry Association | 5yrs | Active | 20-03-2021 | |
| 4 | M/s. 3E SERVICES | Corporate/Industry Association | 3yrs | Active | 01-04-2021 | |
| 5 | Institute for Engineering Research & Publication (IFERP) | Research Park | 1yrs | Inactive | 23-11-2020 | |
| 6 | EDUSKILLS | Educational Institute | 3yrs | Active | 07-04-2021 | |
| 7 | NASSCOM / IT | Incubation Unit | 1yrs | Inactive | 22-03-2021 | |

| Sr. No. | Collaborated Agency Name | Collaborated Agency Type | Period of Collaboration (No. of Years) | Current Status of Collaboration | Date of MOU / Agreement Signed on | View |
|---------|--|--------------------------------|--|---------------------------------|-----------------------------------|------|
| 8 | Bizotic | Educational Institute | 1yrs | Inactive | 20-02-2020 | |
| 9 | Seventh Sense Talent Solutions | Educational Institute | 1yrs | Active | 22-03-2022 | |
| 10 | Outleap | Educational Institute | 3yrs | Active | 01-11-2021 | |
| 11 | EduSkills | Educational Institute | 3yrs | Active | 07-04-2021 | |
| 12 | NASSCOM | Corporate/Industry Association | 3yrs | Active | 22-03-2021 | |
| 13 | Re - Batt Energy Solution Private Ltd.Bangalore | Corporate/Industry Association | 2yrs | Active | 11-06-2022 | |
| 14 | itie Knowledge solutions Bangalore | Corporate/Industry Association | 3yrs | Active | 27-05-2022 | |
| 15 | Sri Shasha Prayathi Technologies PVT LTD, Surathkal, Mangalore | Corporate/Industry Association | 3yrs | Active | 20-09-2021 | |

Section 7: Intellectually Property (IP) Generated and Commercialization

7.1) IPR Filed and Published (Copyrights & Design only)

| Sr. No. | Title/Name of IP (Copyright/Design Only) | Type of IP | IP Registration Number of Copyright/Design | Date of Filed/Published | Has this IP(Copyright & Designs Only) been Commercialized/Transferred to Industry/Startup/Society? |
|---------------|--|------------|--|-------------------------|--|
| No Data Found | | | | | |

7.2) Patents Filed by HEI

| Sr. No. | Title/Name of Patent | IP Registration Number | Date of Filed/Published |
|---------|----------------------|------------------------|-------------------------|
|---------|----------------------|------------------------|-------------------------|

| Sr. No. | Title/Name of Patent | IP Registration Number | Date of Filed/Published |
|----------------|--|-------------------------------|--------------------------------|
| 1 | ATTRIBUTE BASED DISCOVERY ARCHITECTURE FOR DEVICES IN INTERNET OF THINGS | 202021012029 | 20-03-2020 |
| 2 | GAZE CONTROLLED ELECTRONICS IRON BOX | 202041046240 | 23-10-2020 |
| 3 | CONSUMPTION AND SIMULATION OF SIGNAL MODEMS | 202021049607 | 13-11-2020 |
| 4 | THERMAL EFFECT POWERED ELECTRIC MOTOR TO MINIMIZE THE ELECTRIC CONSUMPTION IN THE ELECTRIC VEHICLE | 2021100914 | 15-02-2021 |
| 5 | PHILOSOPHIZING OF MULTIFUNCTION SYLLOGISTIC UNIT USING FOLDING TREE WITH CLOCK GATING | 202121011465 | 18-03-2021 |
| 6 | CIRCULARLY POLARISED TWO PORT MIMO CYLINDRICAL DIELECTTRIC RESONATOR ANTENNA DEVICE FOR 5 G APPLICATIONS | 202021105303 | 30-09-2021 |
| 7 | IoT BASED SMART HEALTH ASSESSMENT MIRROR FOR HEALTHY LIFE | 202111041467 | 15-09-2021 |
| 8 | METHOD AND SYSTEM TO DEVELOP EMG MONITORING SYSTEM FOR MUSCLE ACTIVITY DETECTION ON PARKINSON DISEASE | 202241017599 | 27-03-2022 |
| 9 | NOVEL SYSTEM, METHOD AND DEVELOPMENT OF IOT BASED AUTOMATIC WATERBODIES GARBAGE TREATMENT MACHINE | 202241024407 | 26-04-2022 |
| 10 | Novel System, Method and determination of economic base width of transmission tower for different wind zones | 202241024404A | 13-05-2022 |
| 11 | Novel System, Analysis and design of elevated water tank for different seismic zones | 202241024405A | 13-05-2022 |
| 12 | Novel System, Method for seismic analysis and retrofitting of an existing structure | 202241024406A | 13-05-2022 |
| 13 | Block Chain Based System for Biomedical Documents towards Data Integrity, Non-Repudiation and Digital Forensics | 2.02041E+11 | 24-12-2020 |
| 14 | Populated place monitoring and Medical alert using Wireless Service Network and analyses and respond using Cloud Computing | 2.02041E+11 | 24-12-2020 |
| 15 | Novel System, Method of Software Distinct Tool Communication Planning for Community | 202141004802 | 02-04-2021 |
| 16 | Novel System, Method of Software Distinct Tool Communication Planning for Community | 202141004802 | 02-04-2021 |
| 17 | Novel System, Method of Opinion Taking out of Twitter for Hotel Assessment Study | 202141004803 | 02-04-2021 |
| 18 | Novel System, Method of Opinion Taking out of Twitter for Hotel Assessment Study | 202141004803 | 02-04-2021 |

| Sr. No. | Title/Name of Patent | IP Registration Number | Date of Filed/Published |
|----------------|--|-------------------------------|--------------------------------|
| 19 | Novel System, Method of Smart Car Parking and Rider Management | 202141004804 | 02-04-2021 |
| 20 | Utpatthi – Formars online market App | 202141034018 | 28-07-2021 |
| 21 | MALWARE DETECTION MODEL FOR ANDROID USING MACHINE LEARNING | 202111037434 | 18-08-2021 |
| 22 | AI, ML BASED TRAFFIC INFORMATION DETECTION AND REAL TIME POTHOLE DETECTION SYSTEM | 20224100198 | 10-02-2022 |
| 23 | NOVEL SYSTEM AND METHOD OF AUTOMATED IRRIGATION SYSTEM USING ARDUINO | 202241024409 | 26-04-2022 |
| 24 | NOVEL SYSTEM AND METHOD OF AUTOMATED MEDICAL WASTE SEGGRIGATION SYSTEM USING MACHINE LEARNING | 202241024410 | 26-04-2022 |
| 25 | SMART SYSTEM FOR EFFECTIVE WASTE MANAGEMENT | 202041049785 | 13-11-2020 |
| 26 | ARTIFICIAL INTELLIGENCE BASED DESIGNING OF WIRELESS NETWORK BASED ON OPTIMIZATION ALGORITHM | 202251004456 | 27-01-2022 |
| 27 | A Novel Technology System for Women's Safety to Prevent the Harassment and its Method Thereof | 202121039129 | 10-09-2021 |
| 28 | NOVEL SYSTEM, METHOD, DESIGN AND DEVELOPMENT OF CAMOUFLAGE TECHNIQUES BASED MULTIFUNCTIONAL ARMY ROB | 202241039678 | 11-07-2022 |
| 29 | NOVEL SYSTEM, METHOD, DESIGN AND DEVELOPMENT OF INDUSTRIAL ENVIRONMENT MONITORING SYSTEM USING LORA | 202241039683 | 11-07-2022 |
| 30 | NOVEL SYSTEM, METHOD, DESIGN AND DEVELOPMENT OF A WEAPON AUTO AIMING AND TRIGGER SYSTEM FOR RAPIDLY DEPLOYABLE ARMED SUPPORT ROBOTS | 202241039680 | 11-07-2022 |
| 31 | A NOVEL SYSTEMS ON DESIGNS & DEVELOPMENT OF IOT ENABLED NEXT GEN SMART HELEMET USING ARDUINO | 202241039681 | 11-07-2022 |
| 32 | NOVEL SYSTEM, METHOD, DESIGN AND DEVELOPMENT OF IOT BASED FOOTSTEP POWER GENERATION USING PIEZO ELECTRICS | 202241039679 | 11-07-2022 |
| 33 | NOVEL SYSTEM, METHOD, DESIGN AND DEVELOPMENT OF SPEECH EMOTION RECOGNITION USING MLP CLASSIFIER | 202241039252 | 08-07-2022 |
| 34 | NOVEL SYSTEM, METHOD, DESIGN AND DEVELOPMENT OF AN OPTIMIZED MODEL FOR DETECTING THE PERFORMANCE OF CREDIT CARD FRAUD | 202241039253 | 08-07-2022 |
| 35 | NOVEL SYSTEM, ,METHOD, DESIGN AND DEVELOPMENT OF CUSTOMIZED CNN MODEL FOR DETECTION AND CLASSIFICATION OF OBJECTS IN SATELLITE IMAGE | 202241039251 | 08-07-2022 |

| Sr. No. | Title/Name of Patent | IP Registration Number | Date of Filed/Published |
|---------|---|------------------------|-------------------------|
| 36 | NOVAL SYSTEM, METHOD, DESIGN AND DEVELOPMENT OF TRAFFIC LIGHT CONTROL SYSTEM | 202241037224 | 29-06-2022 |
| 37 | NOVAL SYSTEM, METHOD, DESIGN AND DEVELOPMENT OF SMART CARE UNIT FOR COVID 19 PATENTS USING RASPBERRY | 202241037227 | 29-06-2022 |
| 38 | METHOD AND SYSTEM TO DEVELOP DATA ENCRYPTION AND DECRYPTION USING CRYPTO STEGO AI BASED | 202241031736 | 02-06-2022 |
| 39 | NOVEL SYSTEM, METHOD, DESIGN AND DEVELOPMENT OF BRAILLE SYSTEM FOR VISUALLY CHALLENGED PEOPLE | 202241024408 | 13-05-2022 |
| 40 | A NOVEL APPROACH METHOD & DESIGN OF TWO WAY VIDEO MONITORING SYSTEMS USING ANDROID AND JAVA MEDIA FRAMEWORK | 202241024413 | 26-04-2022 |
| 41 | NOVEL SYSTEM, METHOD, DESIGN, DEVELOPMENT OF MONITORING AND ALERTING SYSTEM FOR IMMOBILIZED PATIENTS | 202241003873 | 24-01-2022 |
| 42 | A mobile adhoc network for tracking the mobile phones for any intrusions or mishandling of data | 202241018318 | 29-03-2022 |
| 43 | Deep learning based technique to analyze the Genome sequence of cancer patients and predict their life expectancy based on cell biology | 202241028751 | 19-05-2022 |

7.3) Patent Published / Granted Data

| Sr. No. | Patent Registration Application No | Patent Title | Patent Application Date | Status of Patent Applications | Patent Published / Granted Calendar Year | Institute applied the Patent as | View |
|---------------|------------------------------------|--------------|-------------------------|-------------------------------|--|---------------------------------|------|
| No Data Found | | | | | | | |

7.4) IP Commercialized and Transferred to Industry/Startup

| Sr. No. | Name of Technology Licenced/Transferred/Commercialized | Technology Type | Patent/Licence Holder name (Institute Co-ownership is Must) | Technology Transferred to | Name of Licensee | Date of Transferred Technology |
|---------------|--|-----------------|---|---------------------------|------------------|--------------------------------|
| No Data Found | | | | | | |

Declaration

To,
The ARIIA Committee
MHRD's Innovation Cell
New Delhi

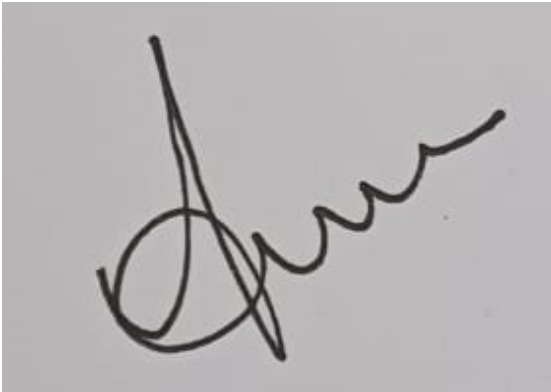
Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself **Dr. B V Ravishankar** (Head of Institute) and **Mr. Rohith S** (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.

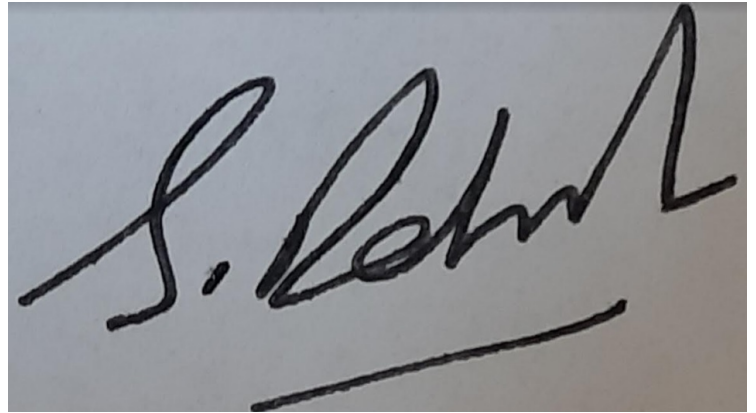
Thank you

The Head of Institute



Dr. B V Ravishankar,
Head of the Institution,
Nagarjuna College of Engineering And Technology ,
Bengaluru, Karnataka

Nodal officer



Mr. Rohith S,
Nodal Officer,
Nagarjuna College of Engineering And Technology ,
Bengaluru, Karnataka