



Memorandum of Understanding

This MEMORANDUM OF UNDERSTANDING (“MoU”) is made on this **17th day of June, 2016**.

BY AND BETWEEN

Basaveshwar Engineering College (Autonomous), BAGALKOT-587102, a Govt. Aided Institution, under VTU Belgaum and Managed by BVV Sangha Bagalkot, through its **Chairman Sri V. C. Charantimath Governing Council BVVS-BEC** and **Principal Dr. R. N. Herkal** having its office at Vidyagiri, GRBC P.O., Bagalkot-587102 (Hereinafter referred to as “BEC” which expression shall, unless excluded by or represent to the context be deemed to include its successors in office and assigns) of the **ONE PART**.

AND

AG Electro Services, a Karad based company **incorporated on 25th February 1991** through its **Managing Partner Mr. Shridhar V. Ramdurgkar** having its registered office at Plot No.6, Koyana Audyogik Vasahat, P.B.Road, Karad 415 110 Maharashtra INDIA (Hereinafter referred as “AGES” which expression shall, unless excluded by or represent to the context, be deemed to include its successors, executors, administrator, heirs, representatives and assigns) of the **OTHER PART**.

WHEREAS:

- A.** In this MOU, **BEC AND AGES** shall be referred to individually as “Party” or collectively as “Parties”
- B.** This MOU is a statement of joint interest of both parties on the “Student Program” on non-binding, non-obligation basis unless and otherwise specifically mentioned.
- C.** AGES is involved in Electrical Stampings, Motors and Equipment.
- D.** **BASAVESHWAR ENGINEERING COLLEGE (AUTONOMOUS), BAGALKOT** is a Govt aided institution; recognized by AICTE, accredited by NBA and autonomous under VTU Belgaum, offers UG, PG and Research programs in engineering to its Students as per VTU requirements and AICTE guidelines.
- E.** BEC and AGES wish to enter into an informal, non-obligation and non-binding tie up with each other to give the Students of BEC an opportunity to learn and work (hereinafter referred to as ‘Students’)



सत्यमेव जयते

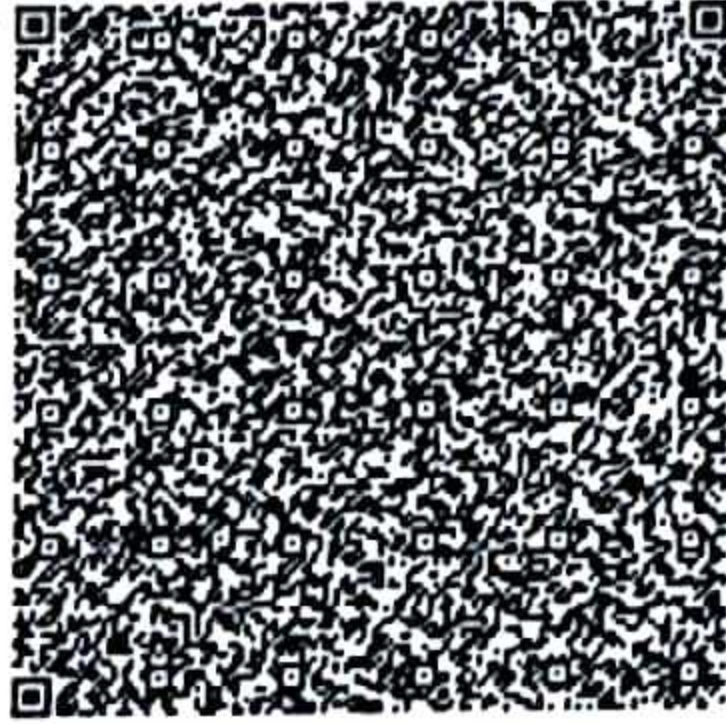
INDIA NON JUDICIAL Government of Karnataka

e-Stamp

Certificate No. : IN-KA67841059578035Q
 Certificate Issued Date : 09-Jan-2018 01:10 PM
 Account Reference : NONACC (BK)/ kakscub08/ BAGALKOT1/ KA-BG
 Unique Doc. Reference : SUBIN-KAKAKSCUB0886831620940996Q
 Purchased by : BASAVESHWAR ENGINEERING COLLEGE BAGALKOT
 Description of Document : Article 12 Bond
 Description : AGREEMENT
 Consideration Price (Rs.) : 0
 (Zero)
 First Party : BASAVESHWAR ENGINEERING COLLEGE BAGALKOT
 Second Party : HESCOM HUBLI
 Stamp Duty Paid By : BASAVESHWAR ENGINEERING COLLEGE BAGALKOT
 Stamp Duty Amount(Rs.) : 200
 (Two Hundred only)

Shri Basaveshwar Sahakar
Bank N.Y. BAGALKOT

[Signature]
MANAGER (H.O.)



.....Please write or type below this line.....

MEMORANDUM OF UNDERSTANDING DRAFT

This Memorandum of Understanding ("MOU") made at *Bagalkot, Karnataka, India* on this 10th of January 2018 by and between:

The General Manager (Tech.) representing HESCOM, Hubballi and the Principal, Basaveshwar Engineering College (Autonomous) Bagalkot - 587103, witnesses as follows:

Statutory Alert:

1. The authenticity of this Stamp Certificate should be verified at "www.shcilestamp.com". Any discrepancy in the details of the certificate should be reported to the competent authority.
2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

[Signature]
PRINCIPAL
Basaveshwar Engineering College
BAGALKOT

[Signature]
General Manager (Tech.)
Corporate Office, HESCOM, Hubballi.

Memorandum of Understanding

This MEMORANDUM OF UNDERSTANDING (“**MoU**”) is made on this **17th day of June, 2016**.

BY AND BETWEEN

Basaveshwar Engineering College (Autonomous), BAGALKOT-587102, a Govt. Aided Institution, under VTU Belgaum and Managed by BVV Sangha Bagalkot, through its **Chairman Sri V. C. Charantimath Governing Council BVVS-BEC** and **Principal Dr. R. N. Herkal** having its office at Vidyagiri, GRBC P.O., Bagalkot-587102 (Hereinafter referred to as “**BEC**” which expression shall, unless excluded by or represent to the context be deemed to include its successors in office and assigns) of the **ONE PART**.

AND

Flexitron a small scale industry incorporated on 25th February 1991 through its **Chief Executive Officer Mr. R. S. Hiremath** having its registered office at 1234, 22nd ‘A’ Main, 11th ‘A’ Cross, Sector- I, HSR Layout, BANGALORE - 560102 INDIA (Hereinafter referred as “**FLEXITRON**” which expression shall, unless excluded by or represent to the context, be deemed to include its successors, executors, administrator, heirs, representatives and assigns) of the **OTHER PART**.

WHEREAS:

- A.** In this MOU, **BEC** AND **FLEXITRON** shall be referred to individually as “Party” or collectively as “Parties”
- B.** This MOU is a statement of joint interest of both parties on the “Student Program” on non-binding, non-obligation basis unless and otherwise specifically mentioned.
- C.** **FLEXITRON** is involved in the development of Alternative Energy Products and Services.
- D.** **BASAVESHWAR ENGINEERING COLLEGE (AUTONOMOUS), BAGALKOT** is a Govt aided institution; recognized by AICTE, accredited by NBA and autonomous under

VTU Belgaum, offers UG, PG and Research programs in engineering to its Students as per VTU requirements and AICTE guidelines.

- E.** BEC and FLEXITRON wish to enter into an informal, non-obligation and non-binding tie up with each other to give the Students of BEC an opportunity to learn and work (hereinafter referred to as 'Students')



Memorandum of Understanding

This MEMORANDUM OF UNDERSTANDING (“MoU”) is made on this **17th day of June, 2016**.

BY AND BETWEEN

Basaveshwar Engineering College (Autonomous), BAGALKOT-587102, a Govt. Aided Institution, under VTU Belgaum and Managed by BVV Sangha Bagalkot, through its **Chairman Sri V. C. Charantimath Governing Council BVVS-BEC** and **Principal Dr. R. N. Herkal** having its office at Vidyagiri, GRBC P.O., Bagalkot-587102 (Hereinafter referred to as “BEC” which expression shall, unless excluded by or represent to the context be deemed to include its successors in office and assigns) of the **ONE PART**.

AND

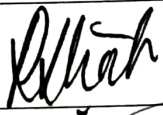
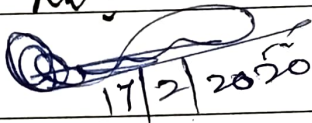
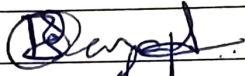

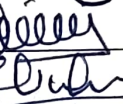
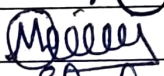

Power Research and Development Consultant Limited a company incorporated under the Companies Act, 1956 through its **Managing Director Dr. R. Nagaraja** having its registered office at # 5, 11th Cross, 2nd Stage, West of Chord Road, Bangalore 560 086. (Hereinafter referred as “PRDC” which expression shall, unless excluded by or represent to the context, be deemed to include its successors, executors, administrator, heirs, representatives and assigns) of the **OTHER PART**.

WHEREAS:

- A.** In this MOU, **BEC AND PRDC** shall be referred to individually as “Party” or collectively as “Parties”
- B.** This MOU is a statement of joint interest of both parties on the “Student Program” on non-binding, non-obligation basis unless and otherwise specifically mentioned.
- C.** PRDC is involved in the development of software, consultancy and keeping the validation environment running smoothly.
- D.** **BASAVESHWAR ENGINEERING COLLEGE (AUTONOMOUS), BAGALKOT** is a Govt aided institution; recognized by AICTE, accredited by NBA and autonomous under VTU Belgaum, offers UG, PG and Research programs in engineering to its Students as per VTU requirements and AICTE guidelines.
- E.** BEC and PRDC wish to enter into an informal, non-obligation and non-binding tie up with each other to give the Students of BEC an opportunity to learn and work (hereinafter referred to as ‘Students’)

Industry Institute Interaction FLEXITRON Bengaluru and EEED BEC Bagalkot

As a part of MoU between BEC-EE Bagalkot and FLEXITRON Bengaluru, interaction session and meeting was conducted with representatives from FLEXITRON Bengaluru and HOD, Dept. of EE & Faculty members on 17.02.2020 at SCADA for Automation and Research laboratory. Following members participated in the discussion.

Sl.	Name	Signature
1	Mr. R. S. Hiremath CEO, FLEXITRON Bengaluru	
2	Dr. Suresh H. Jangamshetti Professor and HoD, EE, BEC Bagalkot	 17/2/2020
3	Dr. (Smt) D. S. Jangamshetti	
4	Dr. Basanagouda F. Ronad	
5	Prof. S. Y. Goudappanavar	
6	Prof. Vikas C Jainkeri	
7	Mahantesh L. Chikkadesai	
8	Shivakumar G. Naegak	

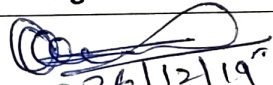
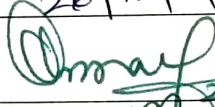


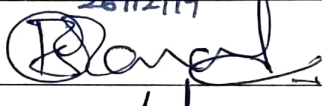



Following point were discussed in the meeting:

- Syllabus content of Battery Management System for PG, EEED
- Placement opportunities from industry for EE students
- Research opportunities associated with Industry and EE faculty members
- Internship opportunities in FLEXITRON Bengaluru for students were discussed. Conducting internship activities for BEC students by FLEXITRON Bengaluru
- Technical supports from Proposal for the consultancy activities of BEC for HESCOM are discussed.
- Meeting ended with a group photo session.



Industry Institute Interaction HESCOM Bagalkot and BEC-EE Bagalkot

As a part of MoU between BEC-EE Bagalkot and HESCOM Hubballi, interaction session and meeting is conducted with representatives from HESCOM Bagalkot and HOD, Dept. of EE & Faculty members on 26.12.2019 at EE Meeting Hall. Following members were participated in the discussion.

Sl.	Name	Signature
1	Dr. Suresh H. Jangamshetti Professor and HoD, EE, BEC Bagalkot	 26/12/19
2	Mr. K. G. Hiremath Superintending Engineer, HESCOM Bagalkot	 26/12/19
3	Mr. Arvind L. Naik AEE, HESCOM, Bagalkot	 26/12/19
4	Mr. Mohan D. Goudar SO, HESCOM, Vidyagiri, Bagalkot	 26/12/19
5	Dr. Basanagouda F. Ronad Professor, PG-PES, EE, BEC Bagalkot	 26/12/19
6	Prof. S. Y. Goudappnavar Asst. Professor, EE, BEC Bagalkot	
7	Prof. Vikas C Jainkeri Asst. Professor, EE, BEC Bagalkot	 26/12/19
8	Mr. Mahantesh L. Chikkadesai Research Scholar, EE, BEC Bagalkot	

Following point were discussed in the meeting:

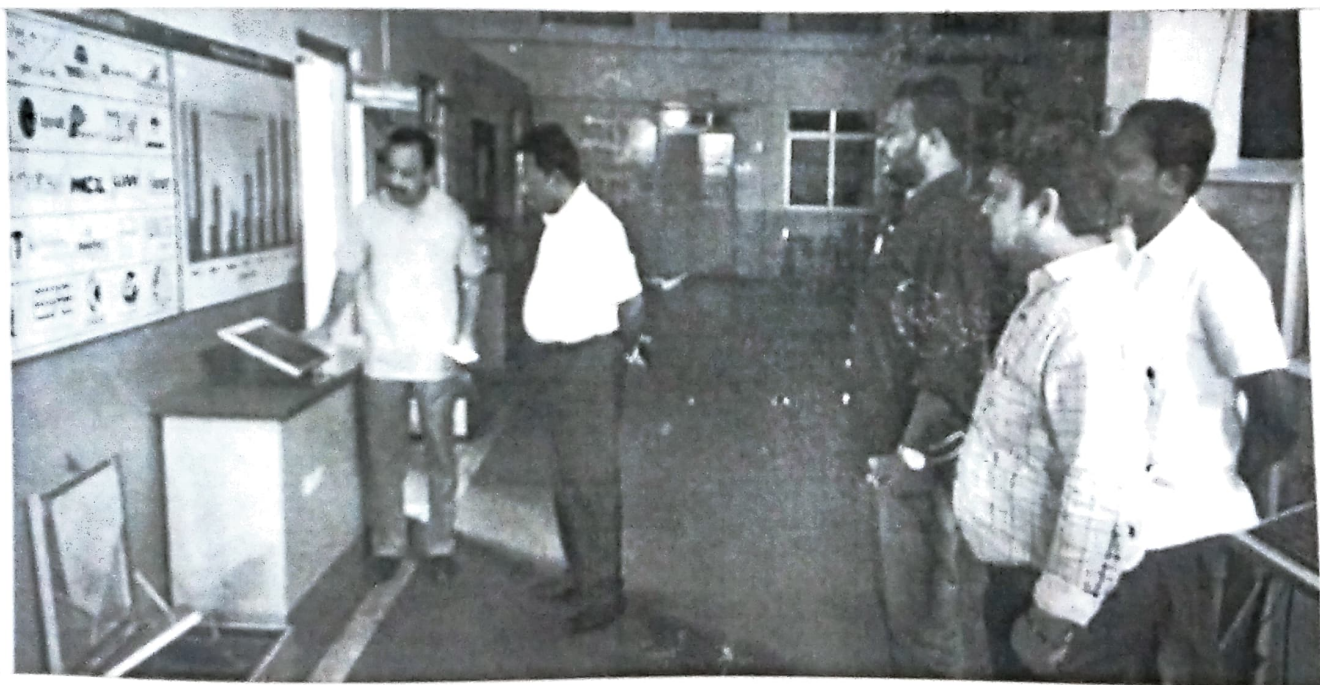
- As a part of MOU, continuation of Industry academia collaborative research work
- Rewiring of overhead distribution line to underground cabling in BEC, Bagalkot
- Certified transformer test centre (test bench) in EE department
- To provide the surveying & learning facility of electrical towers, transmission line & distribution transformers to EE students in North Karnataka flood affected regions
- Consultation facility to EE department on SPV based DC irrigation pumpset across river bed's and continuation of providing geographical sketch to draw single line diagram of feeders
- Continuation of Workshop and seminar in future in coordination with BEC-EE, Bagalkot is discussed
- Industry visit from BEC-EE faculty-students is assured.
- Internships to EE students in the industry



**Basaveshwar Engineering College (Autonomous),
Department of Electrical & Electronics Engineering
Bagalkot-587103, Karnataka state, India**


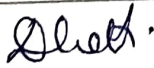
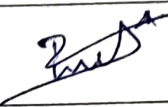
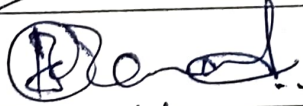





photos during the event



Academia Interaction

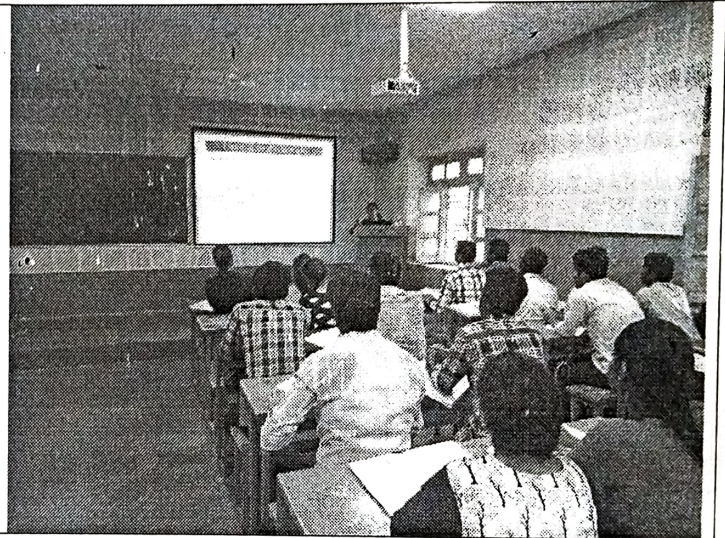
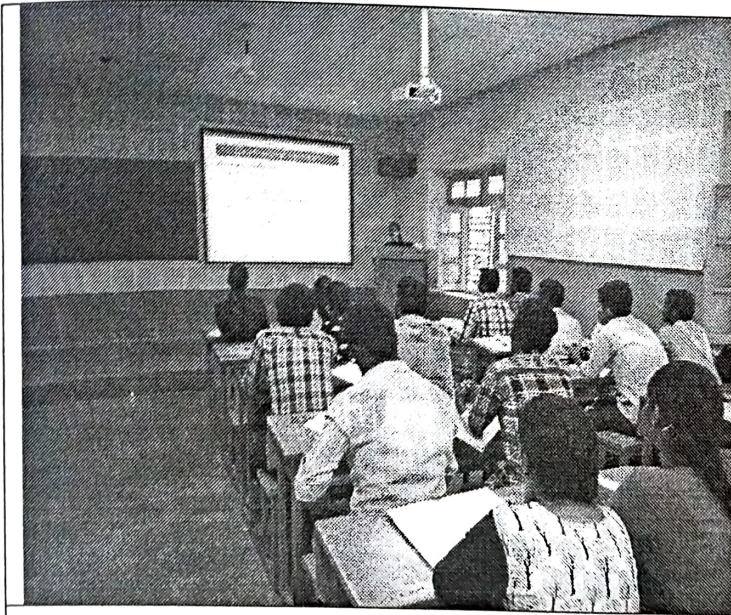
As a part of MoU between BEC-EE Bagalkot and PRDC Pvt Ltd, interaction session and meeting was conducted with representative from PRDC Bengaluru and HOD, Dept. of EE, Faculty members & UG VII students. Following members participated in the discussion.

Sl.	Name	Signature
1	Dr. Suresh H. Jangamshetti Professor and HoD, EE, BEC Bagalkot	
2	Dr. (Smt) D. S. Jangamshetti Professor, EE, BEC Bagalkot	
3	M/s. Preethi Kagale, Engineer, PRDC, Bengaluru	
4	Dr. Basanagouda F. Ronad Professor, EE-PES, BEC Bagalkot	
5	Prof. S. Y. Goudappnavar Asst. Professor, EE, BEC Bagalkot	
6	Prof. Vikas C Jainkeri Asst. Professor, EE, BEC Bagalkot	
7	Mr. Mahantesh L. Chikkadesai Research Scholar, EE, BEC Bagalkot	

Electrical & Electronics Engineering Dept., has organised Industry guest lecture titled **Power System Protection and Single Line Diagram** by M/s. Preethi Kagale, Engineer, PRDC, Bengaluru. Following points were discussed in the event.










- Introduction on power system mainly generation, transmission and different rating of power supply to the consumers
- Requirements of substation, receiving station and corresponding classifications are highlighted
- Design of converter with selection of MOSFET, Snubber design, EMI & EMC filter design are highlighted
- Design considerations in substation with different parameters and importance by interest
- Components of substation and their protection
- Different criteria considerations like thermal withstanding capacity and reliability are presented
- Design area in power system and clients with Central Govt. projects
- Career opportunities in core industry needs following skills:
 - MiPower
 - AUTOCAD
 - PHP
 - MYSQL
- Continuation of Workshop and seminar in future in coordination with BEC-EE, Bagalkot is discussed
- Industry visit from BEC-EE faculty-students is assured

Photos during the interaction and visit to BEC-EE Research laboratories



MoU Activity

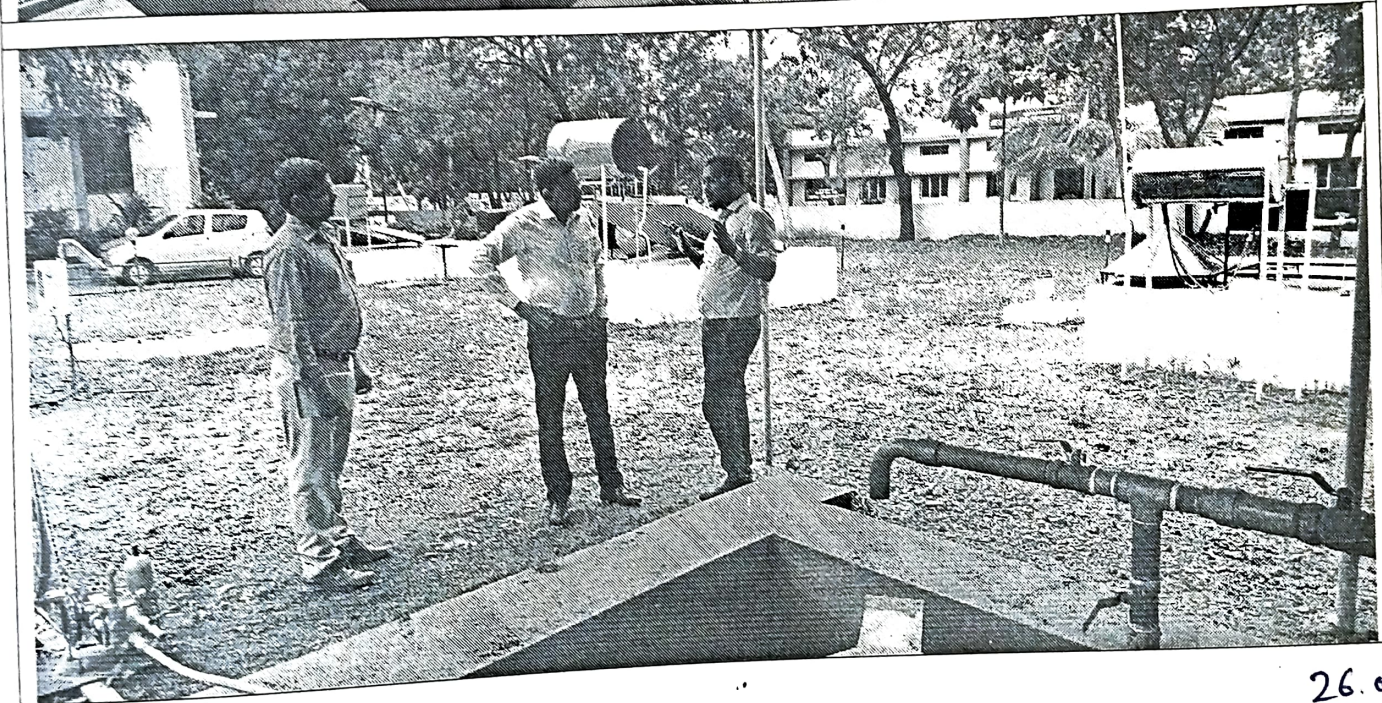
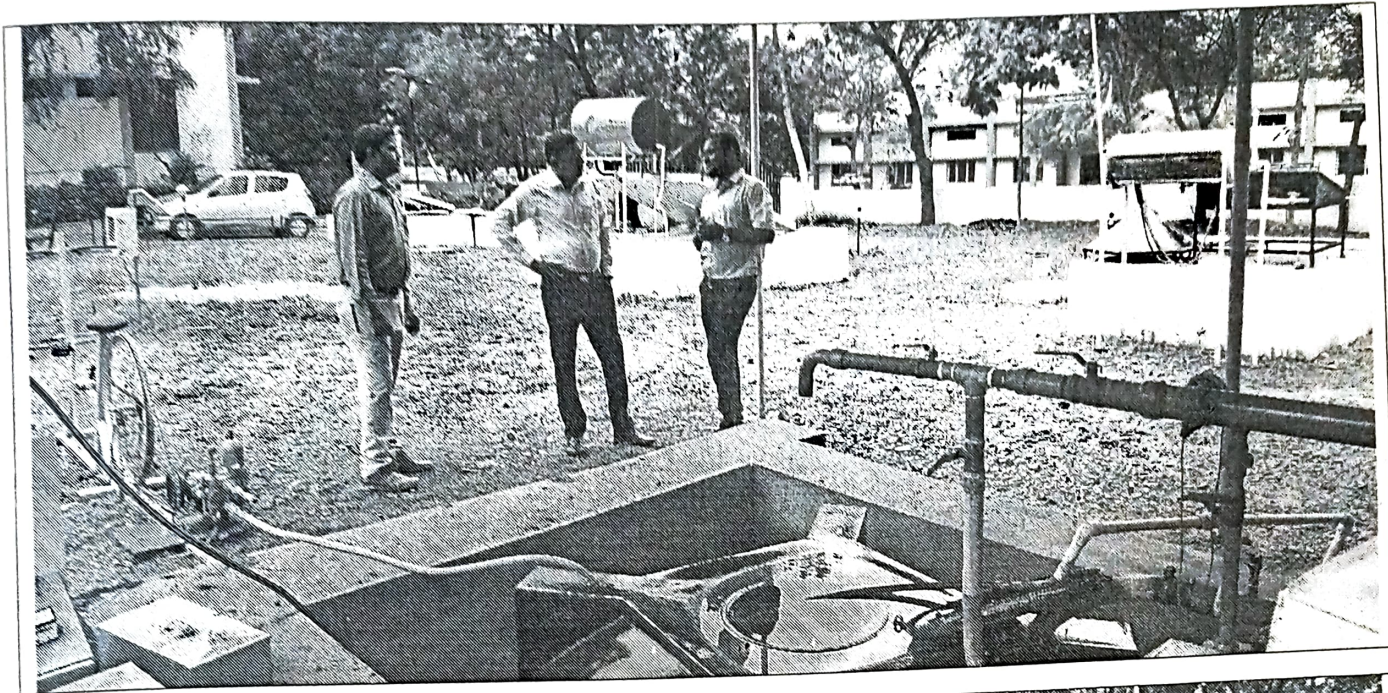
As a part of MoU between BEC-EE Bagalkot and PRDC Pvt. Ltd. Bengaluru, interaction session and meeting was conducted with representative from PRDC Bengaluru and HOD, Dept. of EE & Faculty members. Following members participated in the discussion.

Sl.	Name	Signature
1	Dr.Chandrashekhhar Reddy Atla Principal Engineer, PRDC Bengaluru	
2	Miss. Preethi Kagale, Engineer, PRDC Bengaluru	
3	Dr. Suresh H. Jangamshetti Professor and HoD, EE, BEC Bagalkot	
4	Dr. (Smt) D. S. Jangamshetti	
5	Dr. R. L. Naik	
6	Smt. Sunita S Tambakad	
7	Dr. Basanagouda F. Ronad	
8	Prof. S. Y. Goudappnavar	
9	Prof. Vikas C Jainkeri	

Following point were discussed in the meeting:

- Renewal of MOU by and between PRDC Bengaluru and BEC Bagalkot
- Preparation of syllabus for the courses Electric Vehicles and Battery Management Systems
- Research opportunities associated with batteries available in BEC campus were suggested for the faculty members. Further methodology to be followed for the research and M.Tech project works was briefed.
- Internship opportunities in PRDC Bengaluru for M.Tech and B.E students were discussed. Conducting internship activities for BEC students by PRDC Bengaluru through video conferencing in SCADA lab is discussed.
- Technical support from PRDC for the consultancy activities of BEC for HESCOM are discussed.
- Conducting long term (4 weeks and 8 weeks) internship for engineering college faculty and students at BEC Bgalkot is proposed. Support from the industries and IEEE PES Execom is highlighted.
- Interaction with IEEE PES Student Chapter members is arranged with Dr.Chandrashekhhar Reddy Atla.
- Meeting ended with a group photo session.


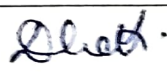

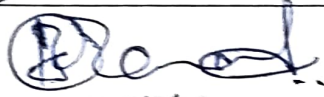



Photos during the interaction and visit to BEC-EE Research laboratories



26. of - 2019

Academia Interaction

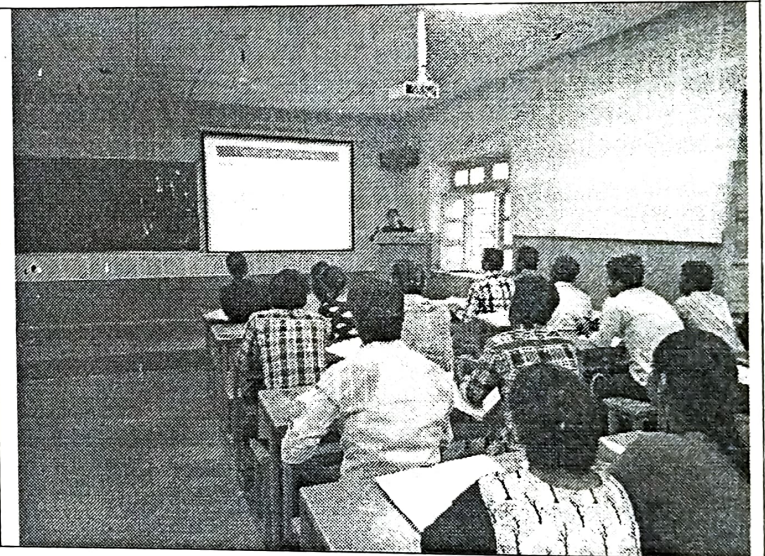
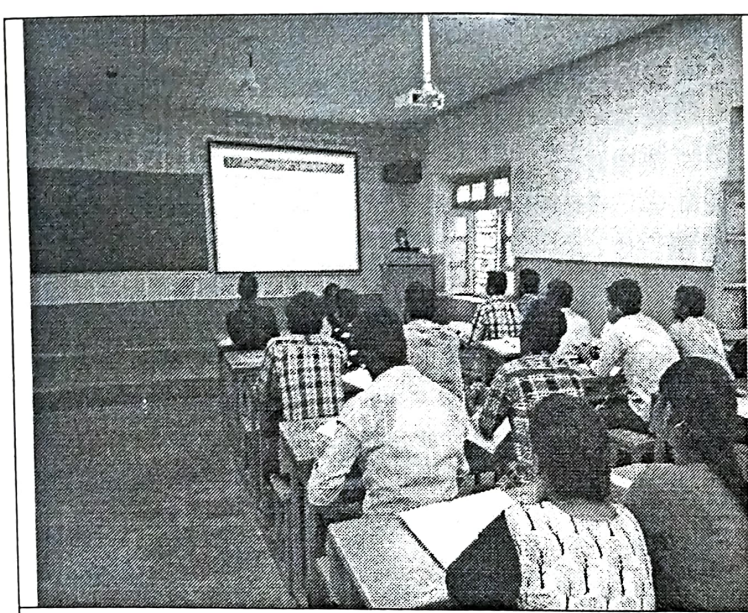
As a part of MoU between BEC-EE Bagalkot and PRDC Pvt Ltd, interaction session and meeting was conducted with representative from PRDC Bengaluru and HOD, Dept. of EE, Faculty members & UG VII students. Following members participated in the discussion.

Sl.	Name	Signature
1	Dr. Suresh H. Jangamshetti Professor and HoD, EE, BEC Bagalkot	
2	Dr. (Smt) D. S. Jangamshetti Professor, EE, BEC Bagalkot	
3	M/s. Preethi Kagale, Engineer, PRDC, Bengaluru	
4	Dr. Basanagouda F. Ronad Professor, EE-PES, BEC Bagalkot	
5	Prof. S. Y. Goudappnavar Asst. Professor, EE, BEC Bagalkot	
6	Prof. Vikas C Jainkeri Asst. Professor, EE, BEC Bagalkot	
7	Mr. Mahantesh L. Chikkadesai Research Scholar, EE, BEC Bagalkot	

Electrical & Electronics Engineering Dept., has organised Industry guest lecture titled **Power System Protection and Single Line Diagram** by M/s. Preethi kagale, Engineer, PRDC, Bengaluru. Following points were discussed in the event.

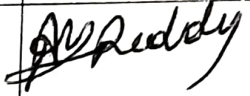


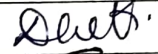


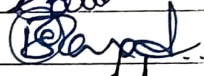


- Introduction on power system mainly generation, transmission and different rating of power supply to the consumers
- Requirements of substation, receiving station and corresponding classifications are highlighted
- Design of converter with selection of MOSFET, Snubber design, EMI & EMC filter design are highlighted
- Design considerations in substation with different parameters and importance by interest
- Components of substation and their protection
- Different criteria considerations like thermal withstanding capacity and reliability are presented
- Design area in power system and clients with Central Govt. projects
- Career opportunities in core industry needs following skills:
 - MiPower
 - AUTOCAD
 - PHP
 - MYSQL
- Continuation of Workshop and seminar in future in coordination with BEC-EE, Bagalkot is discussed
- Industry visit from BEC-EE faculty-students is assured

Photos during the interaction and visit to BEC-EE Research laboratories



MoU Activity

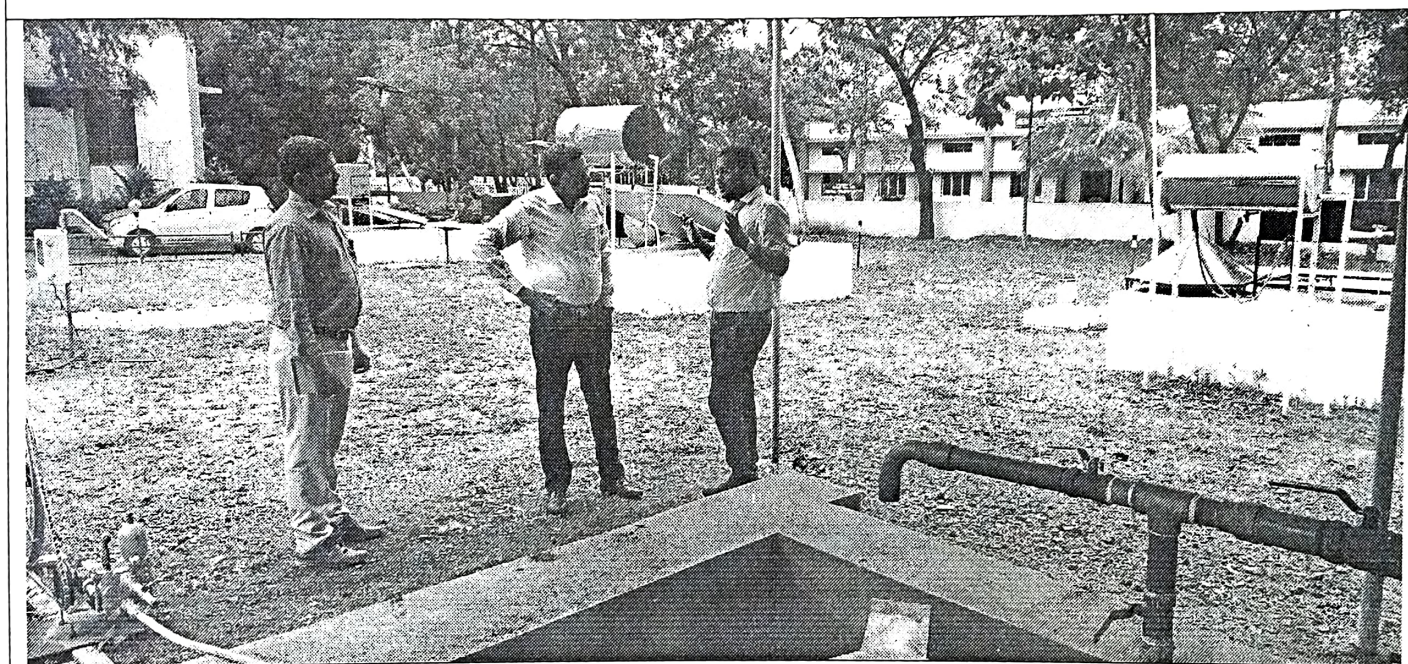
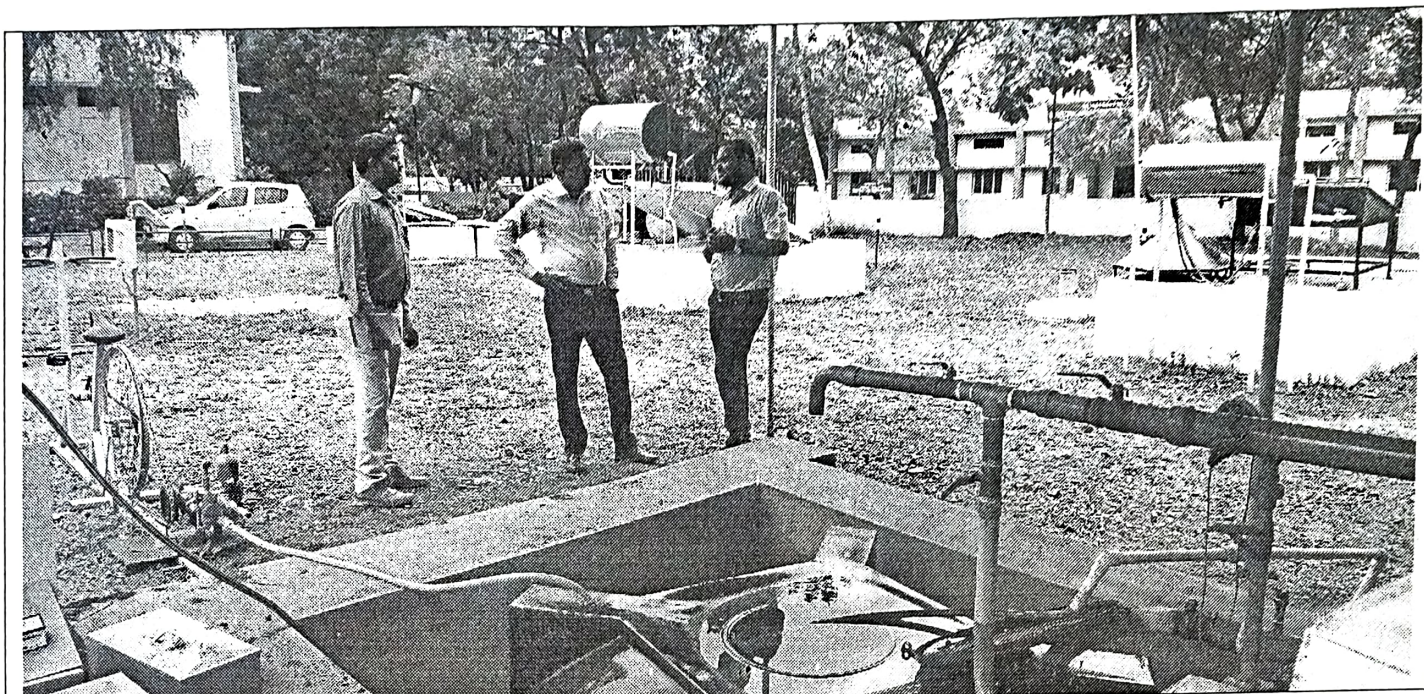
As a part of MoU between BEC-EE Bagalkot and PRDC Pvt. Ltd. Bengaluru, interaction session and meeting was conducted with representative from PRDC Bengaluru and HOD, Dept. of EE & Faculty members. Following members participated in the discussion.

Sl.	Name	Signature
1	Dr.Chandrashekhar Reddy Atla Principal Engineer, PRDC Bengaluru	
2	Miss. Preethi Kagale, Engineer, PRDC Bengaluru	
3	Dr. Suresh H. Jangamshetti Professor and HoD, EE, BEC Bagalkot	
4	Dr. (Smt) D. S. Jangamshetti	
5	Dr. R. L. Naik	
6	Smt. Sunita S Tambakad	
7	Dr. Basanagouda F. Ronad	
8	Prof. S. Y. Goudappnavar	
9	Prof. Vikas C Jainkeri	

Following point were discussed in the meeting:

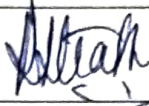


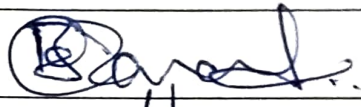

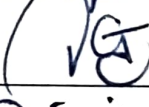

- Renewal of MOU by and between PRDC Bengaluru and BEC Bagalkot
- Preparation of syllabus for the courses Electric Vehicles and Battery Management Systems
- Research opportunities associated with batteries available in BEC campus were suggested for the faculty members. Further methodology to be followed for the research and M.Tech project works was briefed.
- Internship opportunities in PRDC Bengaluru for M.Tech and B.E students were discussed. Conducting internship activities for BEC students by PRDC Bengaluru through video conferencing in SCADA lab is discussed.
- Technical support from PRDC for the consultancy activities of BEC for HESCOM are discussed.
- Conducting long term (4 weeks and 8 weeks) internship for engineering college faculty and students at BEC Bgalkot is proposed. Support from the industries and IEEE PES Execom is highlighted.
- Interaction with IEEE PES Student Chapter members is arranged with Dr.Chandrashekhar Reddy Atla.
- Meeting ended with a group photo session.

Photos during the interaction and visit to BEC-EE Research laboratories



Industry Institute Interaction FLEXITRON Bengaluru and EEED BEC Bagalkot

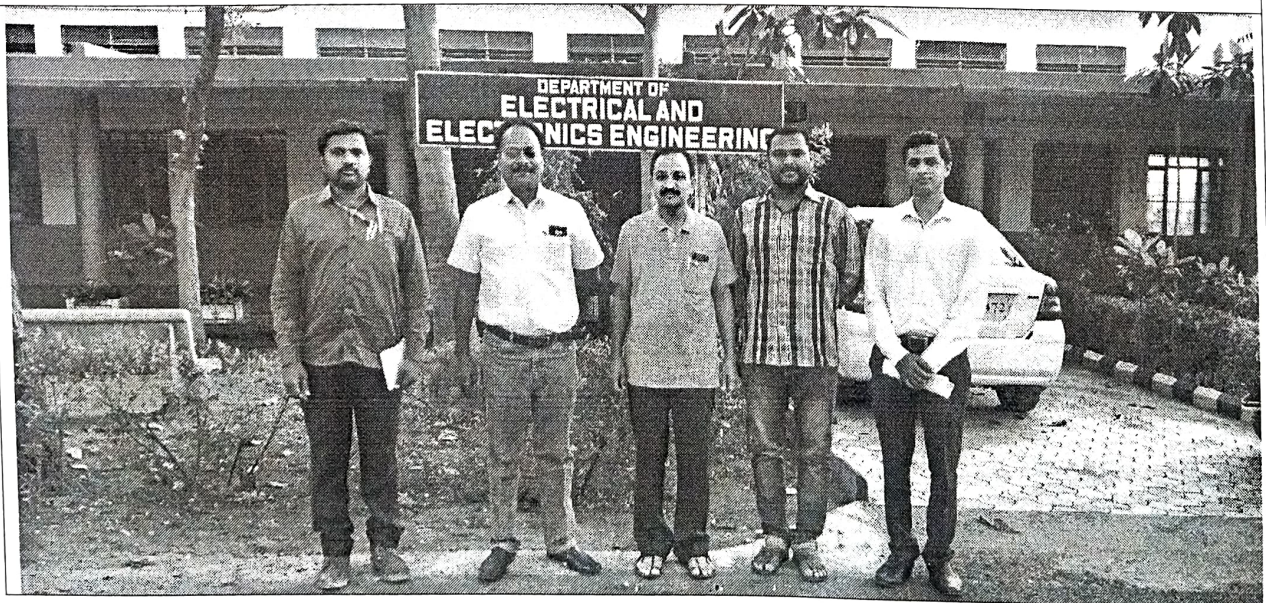
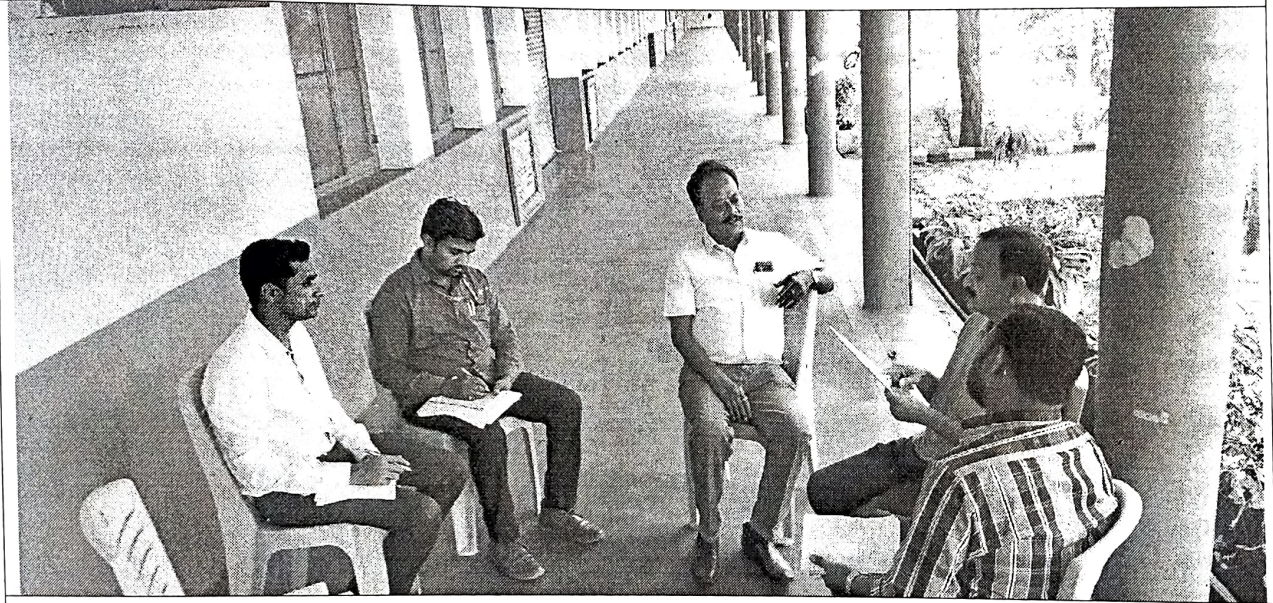
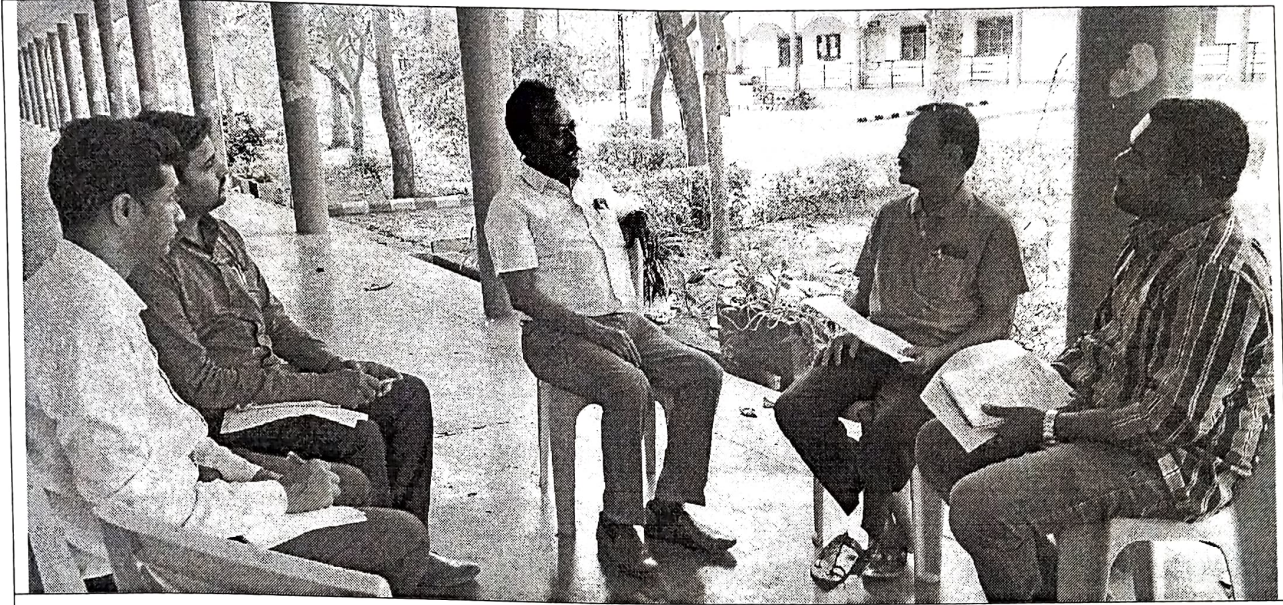
As a part of MoU between BEC-EE Bagalkot and FLEXITRON Bengaluru, interaction session and meeting was conducted with representatives from FLEXITRON Bengaluru and HOD, Dept. of EE & Faculty members on 02.10.2019 at EE Meeting Hall. Following members participated in the discussion.

Sl.	Name	Signature
1	Mr. R. S. Hiremath CEO, FLEXITRON Bengaluru	
2	Dr. Suresh H. Jangamshetti Professor and HoD, EE, BEC Bagalkot	
3	Dr. (Smt) D. S. Jangamshetti	
4	Dr. Basanagouda F. Ronad	
5	Prof. S. Y. Goudappnavar	
6	Prof. Vikas C Jainkeri	
7	Mahantesh L. Chikkadesai	

Following point were discussed in the meeting:

- Renewal of MOU by and between FLEXITRON Bengaluru and BEC Bagalkot
- Discussion on Research Proposal for Department of Science and Technology (DST) under Solar Energy Research and Development (SERD)
- Discussion about improvement of technology readiness levels of designed equipments
- Placement opportunities from industry for EE students
- Research opportunities associated with Industry and EE faculty members
- Internship opportunities in FLEXITRON Bengaluru for students were discussed. Conducting internship activities for BEC students by FLEXITRON Bengaluru
- Technical supports from Proposal for the consultancy activities of BEC for HESCOM are discussed
- Conducting long term (4 weeks and 8 weeks) internship for engineering college faculty and students at BEC Bagalkot is proposed
- Meeting ended with a group photo session.

Photos during the interaction





BASAVESHWAR ENGINEERING COLLEGE (AUTONOMOUS)

(ESTD : 1963)

[Government Aided Institution and Affiliated to Visvesvaraya Technological University, Belagavi]

S. Nijalingappa Vidyanagar

BAGALKOT-587 102, Karnataka, India

☎ : 08354 - 234060

Telefax : 08354-234204

e-mail : becprincipal@yahoo.com

Website : www.becbgk.edu

Ref. No. BEC / BGK / CVE / 116 / 2019 - 20

Date: 29 APR 2019

Memorandum of Understanding

This agreement is made on 29th April 2019 between

Basaveshwar Engineering College (Autonomous), Bagalkot . Karnataka.

(Hereinafter referred to as the First Party)

And

MEDINI ®, an Authorized Training and Certification Centre for Autodesk, Bentley
situated at Vijayanagar, Bengaluru.

(Hereinafter referred to as the Second Party).

- 1) Date of commencement of MOU : 26th March 2013 - Period of MOU: 3 years
- 2) Date of I Renewal of MOU: 03rd March 2016 - Period of MOU: 3 years
- 3) Date of II Renewal of MOU: 29th April 2019 - Period of MOU: 3 years

Now this agreement witness as follows:

01. That the first party is an AICTE approved engineering /polytechnic college with a valid AICTE approval contract **ID-No.: 1-6375432**, to conduct the technical programs at the mentioned college site of www.becbgk.edu
02. That the 2nd Party is an Authorized Training Centre of **Autodesk®** to impart Autodesk® Certification and Autodesk® products training to the students and corporate either on -site or off site.
03. The first party permits second party to install the Autodesk Free legal education software to the lab (AutoCAD, Autodesk Revit Architecture, Structure, MEP, Civil 3D, 3DS Max Design, Autodesk Inventor)
04. The first party makes sure that the software will be used only for educational purpose and not for commercial purpose.

i)

ii)

iii)



iv)

v)


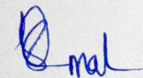
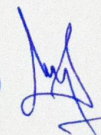
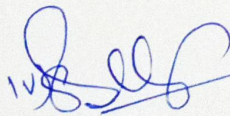

05. The first party will permit second party to conduct free seminars, workshops and demos on CAD software.
06. The second party assures to assign the first party as center of excellence for the region.
07. The first party will permit second party to conduct training program on CAD products demand of students.

This will help students to clear online certification and list their name in world's largest CAD company database- Autodesk .The second party make sure that Time schedule and Charges for the training and certification program will be finalized by discussing with first party ensuring not disturbing the curriculum. MEDINI ®. assure first party for the quality industry oriented training program and will be happy to provide all kind of support for CAD Training and Placement Services.

08. The first party assures second party that no college instructor or other party will start conducting the CAD classes by their own using the software installed at the college.
09. The first party will be providing the infrastructure and support to conduct seminar, workshop, demos and training on requirement.
10. Both the parties assure giving their best for the bright future of the students.
11. Any alteration, addition or modification is there on this agreement should be writing and signed by both the parties.
12. Duration- The duration of this agreement shall be for a period of 3 years from April 2019 to March 2022. If not renewed or amended in writing the same shall be considered as expired or terminated. With respect to the installation of the software it completely depends on the MOU signed between AICTE and Autodesk.
13. Any notice request or other communication required or permitted to be given or made under this agreement by first party or second party has to be in writing. Such notice or request has to be delivered by hand or airmail, to the party to which it is addressed specified below.


BASAVESHWAR ENGINEERING
COLLEGE
(Autonomous), S, Nijalingappa
Vidyanagar.
Bagalkot - 587102. Karnataka, INDIA

MEDINI
#2943/E, Opp. Maruthi Mandir,
Vijaynagar, Bengaluru 560040,
Karnataka, INDIA

i)  ii)  iii)  iv)  v) 

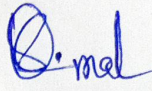


15. The parties hereto acting themselves or through representatives duly authorized, have caused this agreement to be signed in their respective names as of the day & year written above.

1)  _____

Dr. R. N. Herkal

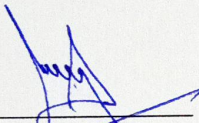
Principal
Basaveshwar Engineering
College (Autonomous)
Bagalkot

2)  _____

Dr. C.B. Shivayogimath

Professor & Head,

Department of Civil Engineering

3)  _____

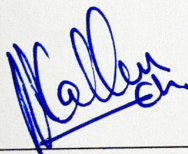
Dr. S. S. Injaganeri

Dean Academic

4)  _____

Dr. Srinivas. S. Balli

Placement officer

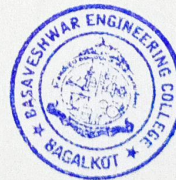
5)  _____

Pradeep Kallur

Director

MEDINI, Vijayanagar.

Bangalore-40





सत्यमेव जयते

INDIA NON JUDICIAL

Government of Karnataka

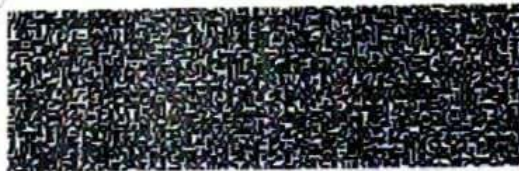
Rs. 20

e-Stamp

Certificate No. : IN-KA89304390314605T
 Certificate Issued Date : 30-Aug-2021 01:20 PM
 Account Reference : NONACC (FI)/ kacrsfl08/ BAGALKOT10/ KA-BG
 Unique Doc. Reference : SUBIN-KAKACRSFL0838403400677719T
 Purchased by : PRINCIPAL BASAVESHWAR ENGG COLLEGE A BAGALKOT
 Description of Document : Article 12 Bond
 Description : AGREEMENT
 Consideration Price (Rs.) : 0
 (Zero)
 First Party : PRINCIPAL BASAVESHWAR ENGG COLLEGE A BAGALKOT
 Second Party : ASPARTIKA BIOTECH PVT LTD BENGALURU
 Stamp Duty Paid By : PRINCIPAL BASAVESHWAR ENGG COLLEGE A BAGALKOT
 Stamp Duty Amount(Rs.) : 20
 (Twenty only)

सत्यमेव जयते

See
 BAGALKOT VIKAS PATTINA
 SAHAKARI MITHA NIYAMIT
 VIDYAGIRI BAGALKOT



Please write or type below this line

MEMORANDUM OF UNDERSTANDING (MoU)

BETWEEN

Basaveshwar Engineering College (Autonomous), Bagalkote

AND

Aspartika Biotech Pvt Ltd, Bengaluru

This Memorandum of Understanding (hereinafter called as the 'MoU') is entered into on 30th day of August 2021 by and between

Basaveshwar Engineering College (Autonomous) Bagalkote, the First Party represented herein by its Principal, Basaveshwar Engineering College (Autonomous), Bagalkote

And Aspartika Biotech Pvt Ltd Bengaluru, The Second party, and represented herein by its Director & CEO, Aspartika Biotech Pvt Ltd, Bengaluru

Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at www.e-stampcert.com or using e-Stamp Mobile App of Stock Holding.
2. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
3. The onus of obtaining the legitimacy is on the users of this certificate.
3. In case of any discrepancy please inform the Government Authority.

Handwritten signature

WHEREAS:

A) First Party is a Higher Educational Institution named: **Basaveshwar Engineering College (Autonomous), Bagalkote**

B) First Party & Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.

C) The Parties intent to cooperate and focus their efforts on cooperation within area of Skill Based Training, Education, Placement, Industrial Visit, Expert Lecture, student internship and projects.

D) Aspartika Biotech Pvt Ltd Bengaluru - the Second Party is engaged in Pilot scale Supercritical fluid extraction of high value herbs, medicinal extracts & phytopharmaceutical ingredients. The company also manufactures several immunity boosting food/nutraceutical products & wide range of Animal feed supplements which are specially formulated, manufactured and packed to the meet the nutritional and health requirements of the animals.

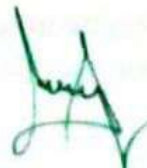
NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERETO AGREE AS FOLLOWS:

CLAUSE 1 : CO-OPERATION

- 1.1 Both Parties are united by common interests and objectives, and they shall establish co-operation.
- 1.2 First Party and Second Party co-operation will facilitate effective utilization of the intellectual capabilities.
- 1.3 The parties shall co-operate with each other and shall as promptly as is responsibly practical, relevant agreement.

CLAUSE 2: SCOPE OF THE MoU

2.1 Industrial Training & Visits: Industry and Institution interaction will provide an insight into the latest developments / requirements of the industries; the Second Party to permit the Faculty and Students of the First Party to visit its group companies and also involve in Industrial Training Programs for the First Party. This will provide confidence & smooth transition for students work. Also the Second party may register on the AICTE Internship Portal for the benefit of students.



2.2 Guest Lectures: Second Party to extend the necessary support to deliver guest lecturers to the students of the First Party on the technology trends and in house requirements.

2.3 Placement of trained students: second party will actively engage to help the delivery of the training and placement of the students of the first party on the technology trends and in house requirements.

2.4 There is no financial commitment on the part of the **Basaveshwar Engineering College (Autonomous) Bagalkote** the first party to take up any program mention in MoU. If there is any financial consideration, it will be dealt separately.

2.5 Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required.

CLAUSE 3: VALIDITY

3.1 This MoU will be valid for 5 years from the date of signing and may be extended on mutual consent in writing between the parties or until it is terminated by one of the Parties. Either Party may terminate this MoU at any time for any or no reason upon 30 days written notice to the other Party, or immediately if a Party has failed to cure a material breach of this MoU 10 days after receiving written notice of such breach.

CLAUSE 4 : RELATIONSHIP BETWEEN THE PARTIES

4.1 It is expressly agreed that First Party and Second Party are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership.

For & on behalf of
Basaveshwar Engineering College (A)
Bagalkote


Signature: 30/8/23

Name: Dr. S.S. Injaganeri

Designation: Principal

Witness-1

Name: Dr. Bharati S Meti

Address: Dept. of Biotechnology, BEC, Bagalkote

Signature: 

For & on behalf of
Aspartika Biotech Pvt. Ltd
Bengaluru

For ASPARTIKA BIOTECH PRIVATE LIMITED


DIRECTOR

Signature:

Name: Mr. Srinivas B V

Designation: CEO & Founder


Witness-2

Name: Ashwathy Das

Address: #25, Srinilayam

7th Cross, Vidyaranyapura

B'lore-560097

Signature: 

ಬಸವೇಶ್ವರ ವೀರಶೈವ ವಿದ್ಯಾವರ್ಧಕ ಸಂಘ, ಬಾಗಲಕೋಟೆ

ಜಿಲ್ಲಾ: ಬಾಗಲಕೋಟೆ
ವೀರಣ್ಣ ಸಿ. ಚರಂತಿಮಠ
ಕಾರ್ಯಾಧ್ಯಕ್ಷರು



ಕರ್ನಾಟಕ ರಾಜ್ಯ
ಕಛೇರಿ : 08354-220689
ಮನೆ : 08354-220880
ಮೊಬೈಲ್ : 9448143702

ಸಂಖ್ಯೆ: ಬವಿವಸಂ/2016-2017/

ದಿನಾಂಕ : 09-07-2016

ದಿನಾಂಕ 09-07-2016 ಶನಿವಾರದಂದು ಸಾಯಂಕಾಲ 5-00 ಗಂಟೆಗೆ ಬಸವೇಶ್ವರ ವೀರಶೈವ ವಿದ್ಯಾವರ್ಧಕ ಸಂಘದ ಕೇಂದ್ರ ಕಛೇರಿಯ ಶ್ರೀ ಜೀತೂರು ಗುರುಬಸವ ಸಭಾಭವನದ ಕಾರ್ಯಾಧ್ಯಕ್ಷರ ಕೊಠಡಿಯಲ್ಲಿ ಜರುಗಿದ B.V.V. ಸಂಘದ ಕಾರ್ಯನಿರ್ವಾಹಕ ಮಂಡಳಿಯ ಸಭೆಯ ನಡವಳಿಕೆಗಳ ಠರಾವು ನಂ. 3ರ ಉದ್ಧರಣವು

ವಿಷಯ : 3. B.V.V. ಸಂಘದಲ್ಲಿ Central University of Karnataka, Kalaburgiಯ ಸಹಯೋಗದೊಂದಿಗೆ ಆಹಾರ ಸಂಸ್ಕರಣೆಯ 3 ವರ್ಷದ Bechlar of Vocational ಕೋರ್ಸ್‌ನ್ನು 2016-17ನೇ ಸಾಲಿನಿಂದ ಪ್ರಾರಂಭಿಸುವ ಸಲುವಾಗಿ ಒಡಂಬಡಿಕೆ ಮಾಡಿಕೊಂಡಿರುವ ಕುರಿತು.

ಠರಾವು : B.V.V. ಸಂಘದಲ್ಲಿ Central University of Karnataka, Kalaburgiಯ ಸಹಯೋಗದೊಂದಿಗೆ ಆಹಾರ ಸಂಸ್ಕರಣೆಯ 3 ವರ್ಷದ Bechlar of Vocational ಕೋರ್ಸ್‌ನ್ನು 2016-17ನೇ ಸಾಲಿನಿಂದ ಪ್ರಾರಂಭಿಸುವ ಸಲುವಾಗಿ ಒಡಂಬಡಿಕೆ ಮಾಡಿಕೊಂಡಿರುವ ವಿಷಯವನ್ನು ಸಭೆಯ ಪರಿಶೀಲಿಸಿ, ಒಡಂಬಡಿಕೆ ಮಾಡಿಕೊಂಡಿರುವುದಕ್ಕೆ ಸಭೆಯು ಅನುಮೋದನೆ ನೀಡಲಾಯಿತು ಅಂತಾ ಠರಾಯಿಸಲಾಯಿತು.

ಸೂಚಕರು : ಶ್ರೀ V.B. ಸಜ್ಜನ
ಅನುಮೋದಕರು : ಶ್ರೀ V.B. ಹಲಕುರ್ಕಿ
ಠರಾವು ಸರ್ವಾನುಮತದಿಂದ ಪಾಸಾಯಿತು.

ಸಹಿ,
ಕಾರ್ಯಾಧ್ಯಕ್ಷರು,
ಬಸವೇಶ್ವರ ವೀರಶೈವ ವಿದ್ಯಾವರ್ಧಕ ಸಂಘ,
ಬಾಗಲಕೋಟೆ.

“ಅಸಲನಂತೆ ನಕಲು”


ಅಧ್ಯಕ್ಷಾಧಿಕಾರಿಗಳು,

ಬಸವೇಶ್ವರ ವೀರಶೈವ ವಿದ್ಯಾವರ್ಧಕ ಸಂಘ
ಬಾಗಲಕೋಟೆ.

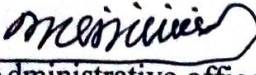
10. GOVERNING LAW :

10.1. All the matters related to the implementation of the courses are governed by the Act and Ordinance of CUK, Guidelines of UGC and other competent authorities.

10.2. This MoU is valid for a period of 3 years. There shall not be any space for confusion or doubt that no step will be taken to discontinue the course during the three years of the course.

"In witness whereof Vice Chancellor, the Registrar, Central University of Karnataka and Managing Trustee, BVVS have signed these presents on the day and year first above written."



Signed by:


Administrative officer 8/7/2016
Registrar
BVVS ADM. OFFICER,
B.V.V. Sangha, BAGALKOT


8.7.2016
Central University of Karnataka
कुलसचिव / REGISTRAR
कर्नाटक केन्द्रीय विश्वविद्यालय
Central University of Karnataka
गुलबर्गा / GULBARGA.

Place: Kadaganchi
Date: 08.07.2016

Witness:

- 1)  Dr. Bharati S. Meti,
Executive Director, BEC-STEP.
- 2) 
Dr. Lakshmana G
Assistant professor
Department of Social work
Central University of Karnataka.

ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ನಡವಳಿಗಳು

ವಿಷಯ: ಕರ್ನಾಟಕ ರಾಜ್ಯದಲ್ಲಿ BTFS ಕಾರ್ಯಕ್ರಮದ ಪರಿಷ್ಕೃತ 2ನೇ ಆವೃತ್ತವಾದ ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಕೌಶಲ್ಯ ಉನ್ನತೀಕರಣ ಕಾರ್ಯಕ್ರಮ (BiSEP) ಅಡಿಯಲ್ಲಿ ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಕ್ಷೇತ್ರಾಭಿಮುಖ ಕೌಶಲ್ಯಾಭಿವೃದ್ಧಿ ತರಬೇತಿಯನ್ನು ಪದವಿ ಮತ್ತು ಸ್ನಾತಕೋತ್ತರ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಮುಂದುವರಿಸುವ ಬಗ್ಗೆ.

- ಓದಲಾಗಿದೆ:
- 1) ಸರ್ಕಾರಿ ಆದೇಶ ಸಂಖ್ಯೆ: ಐಐಡಿ 58 ಎಂಡಿಎ 2008, ದಿನಾಂಕ:18.07.2009.
 - 2) ಸರ್ಕಾರಿ ಆದೇಶ ಸಂಖ್ಯೆ: ಐಐಡಿ 01 ಎಂಡಿಎ 2010, ದಿನಾಂಕ:04.12.2010.
 - 3) ಸರ್ಕಾರಿ ಆದೇಶ ಸಂಖ್ಯೆ: ಐಐಡಿ 10 ಎಂಡಿಎ 2016, ದಿನಾಂಕ:21.06.2016.
 - 4) ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕೆಐಎಸ್ ರವರ ಪತ್ರ ಸಂಖ್ಯೆ: KBITS/02/BFC/2016-17/250 ದಿನಾಂಕ:09.02.2017.

BASAVESHWAR ENGG. COLLEGE
BAGALKOT.
 Inward No. 477
 Date: 7/8/17
 Asst.

ಪ್ರಸ್ತಾವನೆ:-

ಮೇಲೆ ಓದಲಾದ ಕ್ರಮ ಸಂಖ್ಯೆ (1)ರ ದಿನಾಂಕ:18-07-2009ರ ಆದೇಶದಲ್ಲಿ ಮಿಲೆನಿಯಂ ಬಯೋಟೆಕ್ ಪಾಲಿ-IIಯು ರಾಜ್ಯಾದ್ಯಂತ ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಫಿನಿಷಿಂಗ್ ಸ್ಕೂಲ್ (BTFS) ಗಳನ್ನು ಸ್ಥಾಪಿಸಲು ಉತ್ತೇಜನ ನೀಡಿತು. ಮೇಲೆ ಓದಲಾದ ಕ್ರಮ ಸಂಖ್ಯೆ (2)ರ ದಿನಾಂಕ:04.12.2010ರನ್ವಯ ಐದು ವರ್ಷಗಳ ಅವಧಿಗೆ [2011-2016] ರಾಜ್ಯದ 12 ಶೈಕ್ಷಣಿಕ ಸಂಸ್ಥೆಗಳಲ್ಲಿ BTFS ಸ್ಥಾಪನೆಗೊಂಡಿತು. ನದರಿ ಕಾರ್ಯಕ್ರಮವನ್ನು ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಕೌಶಲ್ಯ ಉನ್ನತೀಕರಣ ಕಾರ್ಯಕ್ರಮ [BiSEP] ಎಂದು ಮರುನಾಮಕರಣ ಮಾಡುವಂತೆ ಹಾಗೂ ಪದವಿದಾರರಿಗೆ ಮತ್ತು ಸ್ನಾತಕೋತ್ತರ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಇನ್ನೂ 5 (ಐದು) ವರ್ಷಗಳಿಗೆ ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಕ್ಷೇತ್ರಾಭಿಮುಖ ಕೌಶಲ್ಯಾಭಿವೃದ್ಧಿ ತರಬೇತಿ ಕಲ್ಪಿಸುವುದನ್ನು ಮುಂದುವರಿಸುತ್ತಾ, ಕರ್ನಾಟಕದಿಂದ ಬರುವ ವಿದ್ಯಾರ್ಥಿಗಳಿಗಾಗಿ ಶೇ.50ರಷ್ಟು ಮೀಸಲಾತಿ ಒದಗಿಸಲಾಗಿದೆ. ನಾಮಾಂಕವಾಗಿ, ಭೌಗೋಳಿಕವಾಗಿ ಹಿಂದುಳಿದವರುಗಳು ಸಮನಾಗಿ ಪ್ರಯೋಜನ ಪಡೆದುಕೊಳ್ಳುವುದನ್ನು ಖಚಿತಪಡಿಸಿಕೊಳ್ಳಲು SC/ST ವರ್ಗದವರಿಗೆ ಹಾಗೂ ಹೈದರಾಬಾದ್-ಕರ್ನಾಟಕ ಪ್ರದೇಶದವರಿಗೆ ಮೀಸಲಾತಿಯನ್ನು ಕಲ್ಪಿಸಲಾಗುವುದು. ಅಗತ್ಯವಿದ್ದಲ್ಲಿ, ಮಹಿಳೆಯರಿಗೂ ಮೀಸಲಾತಿಯನ್ನು ಕಲ್ಪಿಸಲಾಗುವುದು.

5/8/17
 3/12/17
 3/1/17

29/7/17
 03:46P.m.
 132

2) BiSEP ಅಡಿಯಲ್ಲಿ, ಈಗಾಗಲೇ ಮೇಲೆ ಓದಲಾದ ಕ್ರಮ ಸಂಖ್ಯೆ (3)ರ ದಿನಾಂಕ:21-06-2016ರ ಆದೇಶದನ್ವಯ ರಚಿಸಲಾಗಿರುವ BiSEP ಆಯ್ಕೆ ಸಮಿತಿಯಿಂದ ಆಯ್ಕೆಗೊಳಗಾಗಿರುವ, ಈ ಕೆಳಗಿನ ಕೋಷ್ಟಕದಲ್ಲಿ ನೀಡಿರುವ 18 BiSEP ಹೊಂದಿದ ಸಂಸ್ಥೆಗಳಲ್ಲಿ- ಬಯೋ-ಬೆರಾಪ್ಯುಟಿಕ್ಸ್ / ಫಾರ್ಮಾಸ್ಯೂಟಿಕಲ್ ಉತ್ಪನ್ನ ಅಭಿವೃದ್ಧಿ; ಬೆಳೆ ತಳಿಶಾಸ್ತ್ರ ಮತ್ತು ಔಷಧ ತಂತ್ರಜ್ಞಾನ; ಮಲ್ಟಿಬಯೋಮಿಕ್ಸ್ ತಂತ್ರಜ್ಞಾನ; ಬಯೋಇನ್ಫೋರ್ಮ್ಯಾಟಿಕ್ಸ್ ಮತ್ತು ರ್ಯಾಷನಲ್ ಡ್ರಗ್ ಡಿಸೈನ್; ನೆಲ್ಯೂಲಾರ್ ಮತ್ತು ಮಾಲಿಕ್ಯೂಲಾರ್ ಡಯಾಗ್ನಾಸ್ಟಿಕ್ಸ್; ಫರ್ಮೆಂಟೇಷನ್ ಮತ್ತು

ಬಯೋಮೆಟ್ರಿಸಿಂಗ್; ಫರ್ಮಂಟೇಷನ್ ಮತ್ತು ಮೈಕ್ರೋಬಯಲ್ ತಂತ್ರಜ್ಞಾನ; ನ್ಯೂಟ್ರಾಸ್ಯೂಟಿಕಲ್ಸ್ ಮತ್ತು ಆಹಾರ ಸಂಸ್ಕರಣೆ; ಕ್ಲಿನಿಕಲ್ ಸಂಶೋಧನೆ ಮತ್ತು ದತ್ತಾಂಶ ನಿರ್ವಹಣೆ; ಪ್ರೋಟೀನ್ ಎಕ್ಸ್‌ಪ್ರೆಷನ್ ಮತ್ತು ಸೈಲೋಅಪ್ ಮತ್ತಿತರ ಮುಂಚೂಣಿ ವಲಯಗಳೇ ಮೊದಲಾದ ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಮತ್ತು ಜೀವವಿಜ್ಞಾನ ಶಾಸ್ತ್ರಗಳ ವಿಶಿಷ್ಟ ವಲಯಗಳಲ್ಲಿ ನಿರ್ದಿಷ್ಟ ಉದ್ಯಮಮುಖೀ ಕೌಶಲ್ಯಗಳನ್ನು ಒದಗಿಸಲು ಪ್ರಸ್ತಾವಿಸಲಾಗಿದೆ:-

ಕೋಷ್ಟಕ : 1

ಕ್ರ.ಸಂ.	ವಿಶ್ವವಿದ್ಯಾನಿಲಯ/ ಶೈಕ್ಷಣಿಕ ಸಂಸ್ಥೆಯ ಹೆಸರು	ಸ್ಥಳ
1	Gulbarga University	ಕಲ್ಬುರ್ಗಿ
2	J.S.S. College of Arts, Science & Commerce	ಮೈಸೂರು
3	Manipal University	ಮಣಿಪಾಲ
4	Siddaganga Institute of Technology	ತುಮಕೂರು
5	St. Aloysius College	ಮಂಗಳೂರು
6	Dayananda Sagar College of Engineering	ಬೆಂಗಳೂರು
7	Maharani Lakshmi Ammanni College for Women	ಬೆಂಗಳೂರು
8	Padmashree Institute of Management & Sciences	ಬೆಂಗಳೂರು
9	PES University	ಬೆಂಗಳೂರು
10	The Oxford College of Science	ಧಾರವಾಡ
11	SDM College of Medical Sciences & Hospital	ಧಾರವಾಡ
12	Shri Dharmasthala Manjunatheshwara College	ಉಜಿರೆ, ದ.ಕ.
13	University of Agricultural Sciences	ಧಾರವಾಡ
14	Yenepoya University	ಮಂಗಳೂರು
15	M.S. Ramaiah Institute of Technology	ಬೆಂಗಳೂರು
16	Mount Carmel College	ಬೆಂಗಳೂರು
17	Basaveshwara Engineering College	ಬಾಗಲಕೋಟೆ
18	KLE's B.V. Bhoomraddi College of Engineering & Tech.	ಹುಬ್ಬಳ್ಳಿ

(ಷರಾ ಕ್ರ.ಸಂ.1 ರಿಂದ 10 BTFS ಕಾರ್ಯಕ್ರಮದಡಿ ಇದ್ದಂತಹವುಗಳು)

3] ಕಾರ್ಯಕ್ರಮದ ಮೇಲೆ ಮರುಗಮನ ಹರಿಸಲಾಗಿ ಕೇವಲ ಉದ್ಯಮ ನಿರ್ದಿಷ್ಟ ಕೌಶಲ್ಯಗಳನ್ನು ದೀಡಿ ತರಬೇತಿ ಹೊಂದಿದ ಮಾನವಶಕ್ತಿಯನ್ನು ಸೂಕ್ತ ಉದ್ಯಮದ ಅಗತ್ಯಗಳನ್ನು ಸೂಕ್ತವಿಧವೆಗೆ ಅಗಿರದೆ, ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಮಾರ್ಗದರ್ಶನ ನೀಡಿ, ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನದ ವಿವಿಧ ವಲಯಗಳಲ್ಲಿ ಉದ್ಯಮಶೀಲತೆಯನ್ನು ಸೋಷಿಲಿ ರಾಜ್ಯದೊಳಗೇ ನವೋದ್ಯಮ ಸರ್ಯಾವರಣ ವ್ಯವಸ್ಥೆಯ ವೇಗ ವರ್ಧಿಸುವುದಾಗಿದೆ. ಮಾಹಿತಿ ತಂತ್ರಜ್ಞಾನ, ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಹಾಗೂ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಇಲಾಖೆಯ ಸರ್ಕಾರದ ಪ್ರಧಾನ ಕಾರ್ಯದರ್ಶಿಯವರ ಅಧ್ಯಕ್ಷತೆಯ BISEP ಸಂಹಿತಾ ಸಮಿತಿಯನ್ನು ಹಾಗೂ ಇಲಾಖೆಯ ಮಾಹಿತಿ ತಂತ್ರಜ್ಞಾನ ಮತ್ತು ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ನಿರ್ದೇಶನಾಲಯದ ನಿರ್ದೇಶಕರ ಅಧ್ಯಕ್ಷತೆಯ ಮಾನ್ವಿಟರಿಂಗ್-ಮತ್ತು-ಸ್ಥಿರಿಂಗ್ ಸಮಿತಿಯನ್ನು ರಚಿಸಿ ರಾಜ್ಯದಲ್ಲಿ BISEP ಕಾರ್ಯಕ್ರಮದ ಅನುಷ್ಠಾನದ ಪ್ರಗತಿಯನ್ನು ಉಸ್ತುವಾರಿ ಮಾಡಿ ಮನರಾಜರೊಡನೆ ಸುವಂಶ ಪ್ರಸ್ತುತಿಸಿದೆ.

5] ಮಾಹಿತಿ ತಂತ್ರಜ್ಞಾನ, ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಹಾಗೂ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಇಲಾಖೆಯ ಸರ್ಕಾರದ ಅಂದಿನ ಅಪರ ಮುಖ್ಯ ಕಾರ್ಯದರ್ಶಿಗಳ ಅಧ್ಯಕ್ಷತೆಯಲ್ಲಿ ಆಯ್ಕೆ ಸಮಿತಿಯು ದಿ:31.01.2017ರಂದು ಸಭೆ ಸೇರಿ, (1) ಆಯ್ಕೆ 07 [ಏಳು] ಸಂಸ್ಥೆಗಳಿಗೆ ರೂ.100.00 ಲಕ್ಷಗಳ ಒಂದು ಬಾರಿಯ Non Recurring ಅನುದಾನ, (08ನೇ ಸಂಸ್ಥೆಯಾದ ಧಾರವಾಡದ ಕೃಷಿ ವಿಶ್ವವಿದ್ಯಾಲಯಕ್ಕೆ ರೂ.100.00 ಲಕ್ಷಗಳ ಅನುದಾನವು ದೊರಕುವುದಿಲ್ಲ), (2) ಎಲ್ಲಾ 18 [ಹದಿನೆಂಟು] ಸಂಸ್ಥೆಗಳಿಗೂ 05 ವರ್ಷಗಳ ಅವಧಿಗೆ ಪ್ರತಿವರ್ಷಕ್ಕೆ ಸಂಸ್ಥೆಯೊಂದಕ್ಕೆ ರೂ.10.00 ಲಕ್ಷದ Recurring ವೆಚ್ಚಗಳ ಅನುದಾನ, ಹಾಗೂ (3) ಗರಿಷ್ಠ ಕೋರ್ಸ್ ಶುಲ್ಕವಾದ ರೂ.50,000/-ದ ಶೇ.50ರಷ್ಟನ್ನು ನಿಗದಿಪಡಿಸಿ, ಅಂದರೆ 18 [ಹದಿನೆಂಟು] ಸಂಸ್ಥೆಗಳಲ್ಲಿ ಪ್ರತಿಯೊಂದಕ್ಕೂ ನಿಗದಿಪಡಿಸಿದ ಕರ್ನಾಟಕ ನಿವಾಸಿ 20 ವಿದ್ಯಾರ್ಥಿಗಳಲ್ಲಿ ಗರಿಷ್ಠ 10 [ಹತ್ತು] ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ, ಒಬ್ಬ ವಿದ್ಯಾರ್ಥಿಗೆ ರೂ.25,000/- ರಂತೆ ಇವುಗಳನ್ನು ಒದಗಿಸುವಂತೆ ಶಿಫಾರಸ್ಸು ಮಾಡಿದ್ದು, ಈ ಕೆಳಗಿನಂತೆ ಸಲ್ಲಿಸಿರುತ್ತಾರೆ:-

ಕೋಷ್ಟಕ-4

ಕ್ರ. ಸಂ.	ವಿಶ್ವವಿದ್ಯಾನಿಲಯ/ಸಂಸ್ಥೆಯ ಹೆಸರು	ಸುನರಾವರ್ತನೆಯಾಗದ ಉಪಕರಣಗಳಾಗಲಿ ಅನುದಾನ (ರೂ. ಲಕ್ಷಗಳಲ್ಲಿ)	ವರ್ಷಕ್ಕೆ ರೂ.10 ಲಕ್ಷದಂತೆ 5 ವರ್ಷಗಳಿಗೆ ಸುನರಾವರ್ತಿತ ವೆಚ್ಚದ ಅನುದಾನ	ವರ್ಷಕ್ಕೆ ಒಬ್ಬ ವಿದ್ಯಾರ್ಥಿಗೆ ರೂ.25,000/-ರಂತೆ ಗರಿಷ್ಠ 10 ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಕೋರ್ಸ್ ಶುಲ್ಕದ ಶೇ.50ರಷ್ಟು.	ಒಟ್ಟು (ಲಕ್ಷ ರೂ.ಗಳಲ್ಲಿ)
		1ನೇ ವರ್ಷ	10ನೇ ವರ್ಷದವರೆಗೆ	10ನೇ ವರ್ಷದವರೆಗೆ	
1	Basaveshwara Engineering College, Bagalkot	100.00	50.00	12.50	162.50
2	KLE's B.V. Bhoomraddi College of Engineering & Technology, Hubballi	100.00	50.00	12.50	162.50
3	M.S. Ramaiah Institute of Technology, Bengaluru	100.00	50.00	12.50	162.50
4	Mount Carmel College, Bengaluru	100.00	50.00	12.50	162.50
5	SDM College of Medical Sciences and Hospital, Dharwad	100.00	50.00	12.50	162.50
6	Shri Dharmasthala Manjunathe shwara College, Ujire, D.K	100.00	50.00	12.50	162.50
7	Yenepoya University, Mangaluru	100.00	50.00	12.50	162.50
8	Institute of Agriculture Biotechnology, University of Agricultural Sciences, Dharwad	0.00	50.00	12.50	62.50
9	Dayananda Sagar College of Engineering, Bengaluru	0.00	50.00	12.50	62.50
10	Gulbarga University, Kalaburgi	0.00	50.00	12.50	62.50
11	J.S.S. College of Arts, Science & Commerce, Mysuru	0.00	50.00	12.50	62.50

4] ಐದು (05) ವರ್ಷಗಳ ಅವಧಿಗಾಗಿ ಒಟ್ಟು ಅಂದಾಜು ವೆಚ್ಚ ರೂ.44.17 ಕೋಟಿಗಳನ್ನು (ನಲವತ್ತಾಲ್ಪು ಕೋಟಿ ಹದಿನೇಳು ಲಕ್ಷ ರೂಪಾಯಿಗಳು ಮಾತ್ರ) ಒಳಗೊಂಡಿದ್ದು, ಈ ಕೆಳಗಿನ ಕೋಷ್ಟಕಗಳಂತಿರುತ್ತದೆ :-

ಕೋಷ್ಟಕ : 2

ಅ. ಪುನರಾವೇಶಿಸಿಕೊಳ್ಳದ ವೆಚ್ಚ (Non Recurring cost)								
ಕ್ರ. ಸಂ.	ಅಂಶ	1ನೇ ವರ್ಷ	2ನೇ ವರ್ಷ	3ನೇ ವರ್ಷ	4ನೇ ವರ್ಷ	5ನೇ ವರ್ಷ	ಒಟ್ಟು	ವಿವರ
1	ಉಪಕರಣಗಳು ಹೊಸ ಅತಿಥಿಯ ಸಂಸ್ಥೆಗಳಿಗೆ, ಸಂಸ್ಥೆಯೊಂದಕ್ಕೆ ರೂ.1 ಕೋಟಿಯಂತೆ ಗರಿಷ್ಠ 7 ಹೊಸ ಸಂಸ್ಥೆಗಳಿಗೆ.	7.00	0.00	0.00	0.00	0.00	7.00	ರಾಜ್ಯ ಸರ್ಕಾರವು ಭರಿಸಲಿದೆ.
ಆ. ಪುನರಾವೇಶಿಸಬೇಕಾದ ವೆಚ್ಚಗಳು (Recurring cost)								
1	ಫೆಲೋಷಿಪ್ - 18 ಅತಿಥಿಯ ಸಂಸ್ಥೆಗಳಿಗೆ, ಒಟ್ಟು ವಿದ್ಯಾರ್ಥಿಗಳ ಒಂದು ತಿಂಗಳಿಗೆ ರೂ.10,000/- ರಂತೆ ಒಟ್ಟು 180 ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ, 4ನೇ ಮತ್ತು 5ನೇ ವರ್ಷದ ವರದಿಯಿಂದ 18 ಅತಿಥಿಯ ಸಂಸ್ಥೆಗಳಿಗೆ ಒಟ್ಟು ವಿದ್ಯಾರ್ಥಿಗಳ ಒಂದು ತಿಂಗಳಿಗೆ ರೂ.10,000/- ರಂತೆ ಫೆಲೋಷಿಪ್.	4.32	4.32	4.32	6.48	6.48	25.92	ಭಾರತ ಸರ್ಕಾರದ ಶೈಕ್ಷಣಿಕ ತಂತ್ರಜ್ಞಾನ ಇಲಾಖೆಯು ಬಾಕಿಯಿರುವ ಅನುಮೋದನೆಯ ಶೇ.50ರಷ್ಟನ್ನು ಭರಿಸಬೇಕಾಗಿರುತ್ತದೆ. ರಾಜ್ಯ ಸರ್ಕಾರವು ಶೇ.50ರಷ್ಟನ್ನು ಭರಿಸಲಿದೆ.
2	ಪ್ರತಿ ಸಂಸ್ಥೆಗೆ ಮೆಟ್ರಿಕ್ ಪೆನಾಲ್ / ಕಂಪ್ಯೂಟರ್/ಕಂಪ್ಯೂಟರ್ ಕಿಟ್/ಕೆಬೋರ್ಡ್/ವರ್ಷಕ್ಕೆ ರೂ.6,00,000/- ರಂತೆ ಸಂಭಾವನೆ (ಪ್ರತಿ ವರ್ಷ ರೂ.50,000/- ಕನ್ಸಾಲಿಯೇಷನ್) ಇತರ ಗ್ಯಾರಂಟಿ, ಕೆಬೋರ್ಡ್, ಕಿಟ್, ಉಪಕರಣದ ಅಡಿಪಾಯಗಳು ಇತ್ಯಾದಿ ಕಂಪ್ಯೂಟರ್‌ಗಳಿಗೆ ವರ್ಷಕ್ಕೆ ರೂ.3,50,000/- ಮತ್ತು ಸಾರಿಗೆ, ವಿತರಣಾ ವ್ಯಯಗಳನ್ನು ಪರಿಣತರು ಮುಂದಾವರುಗಳಿಗೆ ಕಂಪ್ಯೂಟರ್‌ಗಾಗಿ ರೂ. 50,000/-.	1.80	1.80	1.80	1.80	1.80	9.00	ರಾಜ್ಯ ಸರ್ಕಾರವು ಭರಿಸಲಿದೆ.
3	ರಾಜ್ಯ ಸರ್ಕಾರದಿಂದ ವಿದ್ಯಾರ್ಥಿ ಸಬ್ಸಿಡಿ (ಒಪ್ಪಿಕೊಳ್ಳುವ) ಒಂದು ಒಟ್ಟು ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ವರ್ಷಕ್ಕೆ ರೂ.20,000/- ರಂತೆ 180 ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ, ಹೀಗೆ 18 ಅತಿಥಿಯ ಸಂಸ್ಥೆಗಳಿಗೆ.	0.45	0.45	0.45	0.45	0.45	2.25	ರಾಜ್ಯ ಸರ್ಕಾರವು ಭರಿಸಬೇಕಿದೆ.
ಒಟ್ಟು (ಅ + ಆ)		13.57	6.57	6.57	8.73	8.73	44.17	

ಕೋಷ್ಟಕ : 3

ರಾಜ್ಯ ಸರ್ಕಾರದ ನೀಡಿತೆ	
ಭಾರತ ಸರ್ಕಾರದ ಶೈಕ್ಷಣಿಕ ತಂತ್ರಜ್ಞಾನ ಇಲಾಖೆಯ ನೀಡಿತೆ	31.21 ಕೋಟಿಗಳು
ಒಟ್ಟು	12.96 ಕೋಟಿಗಳು
	44.17 ಕೋಟಿಗಳು

9] 1ನೇ ವರ್ಷದ ಕಾರ್ಯಕ್ರಮ ವೆಚ್ಚಕ್ಕಾಗಿ ಭಾರತ ಸರ್ಕಾರದ ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಇಲಾಖೆಯ ಬೆಂಬಲವು ಬಾಕಿಯಿರುವಂತೆಯೇ ಇಲಾಖೆಯು ಈಗಾಗಲೇ ಆಯವ್ಯಯದಲ್ಲಿ ಒದಗಿಸಲಾಗಿದೆ.

ಆರ್ಥಿಕ ವರ್ಷ 2016-17 ಆಯವ್ಯಯ ಹಂಚಿಕೆ	:	ರೂ.500 ಲಕ್ಷಗಳು
(ಲೆಕ್ಕ ಶೀರ್ಷಿಕೆ 5465-01-190-1-09-059- ಓಇ ಯೋಜನೆ ಟಿಪ್ಪಣಿ ಪಾರ್ಕ್-ಆವ2015-16 ಮತ್ತು 3451-00-090-2-24-059-ಓಇ ಯೋಜನೆ ಟಿಪ್ಪಣಿ ಪಾಲಿಸಿ-ಆವ2016-17) ಗಳಿಂದ ಮೊತ್ತದ ಪುನರ್ವಿನಿಯೋಗ	:	ರೂ.500 ಲಕ್ಷಗಳು
ಆರ್ಥಿಕ ವರ್ಷ 2017-18ರ ಆಯವ್ಯಯ ಹಂಚಿಕೆ	:	ರೂ.400 ಲಕ್ಷಗಳು
ಒಟ್ಟು	:	ರೂ.1400 ಲಕ್ಷಗಳು

10] ಮೇಲೆ ಓದಲಾದ ಕ್ರಮ ಸಂಖ್ಯೆ (4)ರ ದಿನಾಂಕ:09.02.2017ರ ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕೆಆರ್‌ಐ ರವರ ಪ್ರಸ್ತಾವನೆಯನ್ನು ಪರಿಶೀಲಿಸಿದ್ದು, ಅದರಂತೆ ಈ ಆದೇಶ.

ಸರ್ಕಾರಿ ಆದೇಶ ಸಂಖ್ಯೆ: ಐಟಿ 02 ಎಂಐಎ 2017, ಬೆಂಗಳೂರು; ದಿನಾಂಕ: 28.07.2017

ಪ್ರಸ್ತಾವನೆಯಲ್ಲಿ ವಿವರಿಸಲಾಗಿರುವ ಅಂಶಗಳ ಹಿನ್ನೆಲೆಯಲ್ಲಿ, ರಾಜ್ಯಾದ್ಯಂತ ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಕೌಶಲ್ಯ ಉನ್ನತೀಕರಣ ಕಾರ್ಯಕ್ರಮವನ್ನು 05 (ಐದು) ವರ್ಷಗಳ ಅವಧಿಗೆ ರೂ.44.17 ಕೋಟಿ (ನಲವತ್ತಾಲ್ಪ ಕೋಟಿ ಹದಿನೇಳು ಲಕ್ಷ ರೂಪಾಯಿಗಳು ಮಾತ್ರ) ಗಳ (ಭಾರತ ಸರ್ಕಾರದ ನೀಡಿಕೆಯೂ ಸೇರಿ) ಒಟ್ಟಾರೆ ಆಯವ್ಯಯದಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ನೀಡಿಕೆಯು (ಪ್ರಸ್ತಾವನೆಯ ಕೋಷ್ಟಕ:6ಲ್ಲಿ ಕಾಣಿಸಿದೆ) ರೂ.31.21 ಕೋಟಿಗಳಂತೆ (ಮುವತ್ತೊಂದು ಕೋಟಿ ಇಪ್ಪತ್ತೊಂದು ಲಕ್ಷ ರೂಪಾಯಿಗಳು ಮಾತ್ರ) ಅನುಷ್ಠಾನಗೊಳಿಸುವ ಸಲುವಾಗಿ ಸರ್ಕಾರವು ಅನುಮೋದಿಸಿರುತ್ತದೆ.

2] ರಾಜ್ಯ ಸರ್ಕಾರದ ಬೆಂಬಲದೊಂದಿಗೆ ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಕೌಶಲ್ಯ ಉನ್ನತೀಕರಣ ಕಾರ್ಯಕ್ರಮಗಳನ್ನು ಈ ಕೆಳಗಿನ 18 ಸಂಸ್ಥೆಗಳಲ್ಲಿ ಸ್ಥಾಪಿಸಲು ಅನುಬಂಧದಲ್ಲಿ ತಿಳಿಸಿರುವ ಷರತ್ತುಗಳಿಗೊಳಪಟ್ಟು ಮಂಜೂರಾತಿ ನೀಡಲಾಗಿದೆ :-

1.	Basaveshwara Engineering College, Bagalkot	10.	Gulbarga University, Kalaburgi
2.	KLE's B.V. Bhoomraddi College of Engineering & Technology, Hubballi	11.	J.S.S. College of Arts, Science & Commerce, Mysuru
3.	M.S. Ramaiah Institute of Technology, Bengaluru	12.	Maharani Lakshmi Ammanni College for Women, Bengaluru
4.	Mount Carmel College, Bengaluru	13.	School of Life Sciences, Manipal University, Manipal, Udupi
5.	SDM College of Medical Sciences and Hospital, Dharwad	14.	Padmashree Institute of Management & Sciences, Bengaluru
6.	Shri Dharmasthala Manjunatheshwara College, Ujire, D.K	15.	PES University, Bengaluru
7.	Yenepoya University, Mangaluru	16.	Siddaganga Institute of Technology, Tumkuru
8.	Institute of Agriculture Biotechnology, University of Agricultural Sciences, Dharwad	17.	St. Aloysius College, Mangaluru
9.	Dayananda Sagar College of Engineering, Bengaluru	18.	The Oxford College of Science, Bengaluru

12	Maharani Lakshmi Ammanni College for Women, Bengaluru	0.00	50.00	12.50	62.50
13	School of Life Sciences, Manipal University, Manipal, Udupi	0.00	50.00	12.50	62.50
14	Padmashree Institute of Management & Sciences, Bengaluru	0.00	50.00	12.50	62.50
15	PES University, Bengaluru	0.00	50.00	12.50	62.50
16	Siddaganga Institute of Technology, Tumkuru	0.00	50.00	12.50	62.50
17	St. Aloysius College, Mangaluru	0.00	50.00	12.50	62.50
18	The Oxford College of Science, Bengaluru	0.00	50.00	12.50	62.50
	ಒಟ್ಟು	700.00	900.00	225.00	1825.00

6] ಕೋರ್ಸ್‌ಗೆ ನೇರಲು 18 ಅತಿಥೇಯ ಸಂಸ್ಥೆಗಳಲ್ಲಿ ಆಯ್ಕೆಗೊಂಡಿರುವ ಕರ್ನಾಟಕ ನಿವಾಸಿ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ 1ನೇ, 2ನೇ ಮತ್ತು 3ನೇ ವರ್ಷಗಳಂದು ಒಟ್ಟು ವಿದ್ಯಾರ್ಥಿಗೆ ರೂ.10,000/-ರಂತೆ ಹಾಗೂ 4ನೇ ಮತ್ತು 5ನೇ ವರ್ಷಗಳಲ್ಲಿ ಒಟ್ಟು ವಿದ್ಯಾರ್ಥಿಗೆ ರೂ.15,000/-ರಂತೆ ವಿದ್ಯಾರ್ಥಿ ಫೆಲೋಶಿಪ್ ಪಾವತಿಯಾಗಿಯೂ ಸಹ ಆಯ್ಕೆ ಸಮಿತಿಯು ಶಿಫಾರಸ್ಸು ಮಾಡಿದೆ.

ಕೋಷ್ಟಕ : 5

(ಲಕ್ಷ ರೂ.ಗಳಲ್ಲಿ)

ವಿವರಣೆ	1ನೇ ವರ್ಷ	2ನೇ ವರ್ಷ	3ನೇ ವರ್ಷ	4ನೇ ವರ್ಷ	5ನೇ ವರ್ಷ	ಒಟ್ಟು
ವಿದ್ಯಾರ್ಥಿಗಳ ಫೆಲೋಶಿಪ್ ಮೊತ್ತ	216.00	216.00	216.00	324.00	324.00	1296.00

7] ಇತರೆ ರಾಜ್ಯಗಳಿಂದ ಬರುವ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ನೀಡಲಾಗುವ ವಿದ್ಯಾರ್ಥಿ ಫೆಲೋಶಿಪ್ ಮೊತ್ತವನ್ನು ಭಾರತ ಸರ್ಕಾರದ ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಇಲಾಖೆಯು ಭರಿಸುವಂತೆ ಕೋರಲಾಗಿದೆ. ಕೇಂದ್ರದ ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಇಲಾಖೆಯಿಂದ ಈ ವಿಷಯಕ್ಕೆ ಪ್ರತಿಕ್ರಿಯಿಸುವಲ್ಲಿ ವಿಳಂಬವಾಗುತ್ತಿದೆ. ವಿದ್ಯಾರ್ಥಿ ಫೆಲೋಶಿಪ್ ಮೊತ್ತದ ಶೇಕಡಾ 50ರಷ್ಟು ವೆಚ್ಚವನ್ನು ಭರಿಸಲು ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಇಲಾಖೆಯು ಒಂದು ವೇಳೆ ನಿರಾಕರಿಸಿದರೂ ಸಹ, ಮುಂದುವರಿದು ಕಾರ್ಯಕ್ರಮವನ್ನು ಪ್ರಾರಂಭಿಸುವುದೆಂದು ಪ್ರಸ್ತಾವಿಸಲಾಗಿದೆ. ಅಂತಹ ಪ್ರಸಂಗದಲ್ಲಿ, ಕರ್ನಾಟಕದ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಮಾತ್ರವೇ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ವಿದ್ಯಾರ್ಥಿ ಫೆಲೋಶಿಪ್ ವೇತನವನ್ನು ನೀಡಲಾಗುವುದು.

8] BiSEP ಕಾರ್ಯಕ್ರಮಕ್ಕಾಗಿ ರಾಜ್ಯ ಸರ್ಕಾರದ ಒಟ್ಟು ಬಡ್ಡತೆಯು 5 ವರ್ಷಗಳ ಅವಧಿಯಲ್ಲಿ ಈ ಕೆಳಗಿನಂತಿದೆ:-

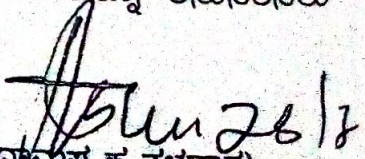
ಕೋಷ್ಟಕ : 6

ವರ್ಷ	ಮೊತ್ತ (ರೂ. ಲಕ್ಷಗಳಲ್ಲಿ)
1ನೇ ವರ್ಷ	1141.00
2ನೇ ವರ್ಷ	441.00
3ನೇ ವರ್ಷ	441.00
4ನೇ ವರ್ಷ	549.00
5ನೇ ವರ್ಷ	549.00
ಒಟ್ಟು	3121.00

ಅನುಬಂಧ

ವಿಶ್ವವಿದ್ಯಾನಿಲಯ / ಶೈಕ್ಷಣಿಕ ಸಂಸ್ಥೆಗಳಿಗೆ ನೀಡಲಾಗುವ ಮಾಡಲಾಗುವ ಪುನರಾವರ್ತನೆಗೊಳ್ಳದ, ಉಪಕರಣಗಳಿಗಾಗಿ ಅನುದಾನ, ಪುನರಾವರ್ತನೆಗೊಳ್ಳುವ ಅನುದಾನ ಹಾಗೂ ವಿದ್ಯಾರ್ಥಿ ಕೋರ್ಸ್ ಶುಲ್ಕದ ಶೇಕಡಾ 50ರಷ್ಟರ ಮೊತ್ತಗಳನ್ನು ಟಿಪ್ಪಣಿ ಮಾಡಲು ಈ ಕೆಳಕಂಡ ನಿಬಂಧನೆಗಳು ಅನ್ವಯವಾಗುತ್ತವೆ:

- ಅ) ಮಂಜೂರು ಮಾಡಲಾಗಿರುವ ಉದ್ದೇಶಕ್ಕಾಗಿ ಮಾತ್ರವೇ ವಿಶ್ವವಿದ್ಯಾನಿಲಯ/ ಶೈಕ್ಷಣಿಕ ಸಂಸ್ಥೆಗಳು ಅನುದಾನದ ಮೊತ್ತವನ್ನು ಬಳಸತಕ್ಕದ್ದು.
- ಆ) ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಮಾಹಿತಿ ತಂತ್ರಜ್ಞಾನ ಮತ್ತು ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಹಾಗೂ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಇಲಾಖೆಯ ಕೆಆರ್‌ಎಸ್ ಸಂಸ್ಥೆಯ ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರಿಂದ ಅನುಮೋದನೆಗೊಂಡ ಪಟ್ಟಿಯ ಪ್ರಕಾರ ನೀಡಲಾಗುವ ಕೋರ್ಸ್‌ಗೆ ಸಂಬಂಧಿಸಿದ ಅಗತ್ಯವಾದ ಉಪಕರಣಗಳು, ಪ್ರಯೋಗಾಲಯ ಸಲಕರಣೆಗಳು ಮತ್ತು ಸಂಬಂಧಿತ ಪರಿಕರಗಳನ್ನು ಸಂಸ್ಥೆಗಳು ಪ್ರಾರಂಭದಲ್ಲಿ, ಪುನರಾವರ್ತನೆಗೊಳ್ಳದ ಉಪಕರಣಗಳಿಗಾಗಿ ಒದಗಿಸಿರುವ ಅನುದಾನ ಬೆಂಬಲದಿಂದ ಸಂಗ್ರಹಿಸತಕ್ಕದ್ದು ಹಾಗೂ ಅಂತಹ ಸಂಗ್ರಹದ ವಿವರಗಳನ್ನು ಬಯಸಿದ ಸಂದರ್ಭಗಳಲ್ಲಿ ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕೆಆರ್‌ಎಸ್ / ಮಂಜೂರು ಪ್ರಾಧಿಕಾರಕ್ಕೆ ಒದಗಿಸತಕ್ಕದ್ದು.
- ಇ) ಹಾಗೆ ಸಂಗ್ರಹಿಸಿದ ಉಪಕರಣಗಳು, ಪ್ರಯೋಗಾಲಯ ಸಲಕರಣೆಗಳು ಮತ್ತು ಸಂಬಂಧಿತ ಪರಿಕರಗಳನ್ನು ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕೆಆರ್‌ಎಸ್ / ಮಂಜೂರು ಪ್ರಾಧಿಕಾರದಿಂದ ವಹಿಸಲಾದ ನಿರೀಕ್ಷಣಾ ತಂಡದ ನಿರೀಕ್ಷಣೆ (/ತಪಾಸಣೆ)ಗಾಗಿ ತೆರೆದಿಡತಕ್ಕದ್ದು. ನಿರೀಕ್ಷಣಾ ತಂಡವು ಅಂತಹ ನಿರೀಕ್ಷಣೆಯ ನಂತರ ಮಾರ್ಗಸೂಚಿಯನ್ವಯ ಅನುದಾನ ಟಿಪ್ಪಣಿಗಾಗಿ ಸರ್ಕಾರಕ್ಕೆ ಶಿಫಾರಸ್ಸು ಕೈಗೊಳ್ಳತಕ್ಕದ್ದು.
- ಈ) ಸಂಗ್ರಹಿಸಿದ ಉಪಕರಣ ವಸ್ತುಗಳು ಸಾಮಾನ್ಯ ಆರ್ಥಿಕ ನಿಯಮಾವಳಿಯಲ್ಲಿ ನಿಗದಿ ಪಡಿಸಿರುವ ವಿಧಾನದನ್ವಯ ಸರಿಪಡಿಸಲಾಗದಂತೆಂದು ಹಾಗೂ ನಿರುಪಯುಕ್ತವೆಂದು ಘೋಷಿಸಿದ ಹೊರತೂ, ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕೆಆರ್‌ಎಸ್ / ಮಂಜೂರು ಪ್ರಾಧಿಕಾರದ ಪೂರ್ವಾನುಮೋದನೆಯಿಲ್ಲದೆ ತ್ಯಾಜ್ಯಗೊಳಿಸುವಂತಿಲ್ಲ.
- ಉ) ಕಾಲಕಾಲಕ್ಕೆ ನಿಗದಿಗೊಳಿಸುವ ಬೆಂಬಲ ದಾಖಲೆಗಳಾದ ಭರ್ತಿ ಮಾಡಿದ ಪ್ರವೇಶ ಅರ್ಜಿಯ, ವಿದ್ಯಾರ್ಥಿ ಶುಲ್ಕ ಪಾವತಿ ರಶೀದಿ, ಅಂಕಪಟ್ಟಿಗಳ, ಇತ್ಯಾದಿಗಳ ಪ್ರತಿಗಳನ್ನು ಸಲ್ಲಿಸುವ ಷರತ್ತಿನೊಂದಿಗೆ ವಿದ್ಯಾರ್ಥಿ ಕೋರ್ಸ್ ಶುಲ್ಕದ ಶೇಕಡಾ 50ರಷ್ಟರ ಮೊತ್ತವನ್ನು ಸಂಸ್ಥೆಗಳಿಗೆ ಟಿಪ್ಪಣಿ ಮಾಡಲಾಗುವುದು.
- ಊ) ಪಡೆದ ಅನುದಾನಕ್ಕೆ ಪ್ರತ್ಯೇಕವಾಗಿ ಲೆಕ್ಕಪರಿಶೋಧಿಸಿರುವ ಲೆಕ್ಕಪತ್ರಗಳನ್ನು ಎಲ್ಲಾ ಸಂಸ್ಥೆಗಳು ನಿರ್ವಹಿಸಬೇಕು; ಅನುದಾನದ ಇಡೀ ಅಥವಾ ಭಾಗವನ್ನು ಬಡ್ಡಿ ಗಳಿಕೆಯಾಗುವ ಬ್ಯಾಂಕು ಖಾತೆಯೊಂದರಲ್ಲಿ ಇಡಬೇಕಾಗುವ ಅಗತ್ಯ ಇದ್ದಲ್ಲಿ, ಹಾಗೆ ಗಳಿಸಿದ ಬಡ್ಡಿ ಮೊತ್ತದ ಬಗ್ಗೆ ರಾಜ್ಯ ಸರ್ಕಾರಕ್ಕೆ ವರದಿ ಸಲ್ಲಿಸಬೇಕು. ಹಾಗೆ ಗಳಿಸಿದ ಬಡ್ಡಿಯನ್ನು ಸಂಸ್ಥೆಗೆ ಸೇರುವ ಆದಾಯ ಎಂದು ಪರಿಗಣಿಸಲಾಗಿ, ಅನುದಾನದ ಮುಂದಿನ ಕಂತಿನೆಡೆಗೆ ಕೊಂದಾಣಿಕೆ ಮಾಡಿಕೊಳ್ಳಲಾಗುವುದು.
- ಋ) ಎಲ್ಲಾ ಸಂಸ್ಥೆಗಳು ಬಳಕೆ ಪ್ರಮಾಣ ಪತ್ರ ಹಾಗೂ ಅನುದಾನಕ್ಕೆ ಸಂಬಂಧಿಸಿದ ಪರಿಶೋಧಿತ ಲೆಕ್ಕಪತ್ರದ ಒಕ್ಕಣೆಯನ್ನು ಪ್ರತಿ ಆರ್ಥಿಕ ವರ್ಷ ಅಂತ್ಯಗೊಂಡ ಕೂಡಲೆ ಸಲ್ಲಿಸತಕ್ಕದ್ದು.
- ಎ) ಅನುದಾನ ಪಡೆದ ಸಂಸ್ಥೆಗಳ ಲೆಕ್ಕಪತ್ರಗಳು ಮಂಜೂರು ಪ್ರಾಧಿಕಾರದ/ ಲೆಕ್ಕಪರಿಶೋಧನೆಗೆ ನಿರೀಕ್ಷಣೆ/ತಪಾಸಣೆಗಾಗಿ ಕರೆ ನೀಡಿದ ಯಾವುದೇ ಸಂದರ್ಭದಲ್ಲಿ ಸಂಸ್ಥೆಯು ಸಹಕರಿಸಬೇಕು.
- ಐ) ಸಂಸ್ಥೆಗಳು ಕಾಲಕಾಲಕ್ಕೆ ರಾಜ್ಯ ಸರ್ಕಾರದ ಐಟಿಐಐ ಇಲಾಖೆಯ ಕೆಆರ್‌ಎಸ್ ಸಂಸ್ಥೆಯಿಂದ ನಿಗದಿಸಿದ ಎಲ್ಲಾ ನಿಯಮ, ನಿಯಮಾವಳಿ ಹಾಗೂ ಮಾರ್ಗಸೂಚಿಗಳನ್ನು ಅನುಸರಿಸಲು ಬದ್ಧವಾಗಿರತಕ್ಕದ್ದು.


(ನಿರ್ದೇಶಕರು ಹೆ ತಳವಾರ)

ಸರ್ಕಾರದ ಅಧೀನ ಕಾರ್ಯದರ್ಶಿ,
ಮಾಹಿತಿ ತಂತ್ರಜ್ಞಾನ, ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ
ಹಾಗೂ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಇಲಾಖೆ.

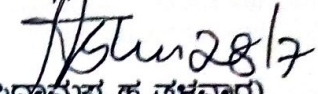
U.

3] ಪ್ರಸ್ತಾವನೆಯ ಕೋಷ್ಟಕ:5ರಲ್ಲಿ ಕಾಣಿಸಿರುವಂತೆ ಕರ್ನಾಟಕ ವಿವಾಹ ವಿಧ್ಯಾಧೀನಗಳಿಗೆ ಫೆರೋಷಿಪ್ ವೇತನದ ಮೊತ್ತದ ಪಾವತಿಗೆ ಅನುಮೋದನೆ ನೀಡಲಾಗಿದೆ.

4] ಸರ್ಕಾರಿ ಆದೇಶ ಸಂಖ್ಯೆ: ಐಒಡಿ 10 ಎಂಡಿಎ 2016, ಬೆಂಗಳೂರು, ದಿನಾಂಕ:21-06-2016ರನ್ವಯ ರಚಿಸಲಾಗಿರುವ ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಕೌಶಲ್ಯ ಉನ್ನತೀಕರಣ ಕಾರ್ಯಕ್ರಮದ ಆಯ್ಕೆ ಸಮಿತಿಯ ಎಲ್ಲಾ ಸದಸ್ಯರುಗಳನ್ನೇ ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಕೌಶಲ್ಯ ಉನ್ನತೀಕರಣ ಕಾರ್ಯಕ್ರಮದ ಸಲಹಾ ಸಮಿತಿಯಾಗಿರಲು ಅನುಮೋದನೆ ನೀಡಲಾಗಿದೆ. ಕಾರ್ಯಕ್ರಮದ ಸುನಿರೀಕ್ಷಣೆ ಮತ್ತು ಅನುಷ್ಠಾನಕ್ಕಾಗಿ ನಿರ್ದೇಶಕರು, ಮಾಹಿತಿ ತಂತ್ರಜ್ಞಾನ ಮತ್ತು ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಇವರ ಅಧ್ಯಕ್ಷತೆಯಲ್ಲಿ ಮಾನಿಟರಿಂಗ್-ಮತ್ತು-ಪ್ಲಿರಿಂಗ್ ಕಮಿಷಿಯ ರಚನೆಗಾಗಿ ಅನುಮೋದನೆ ನೀಡಲಾಗಿದೆ. ಈ ಯೋಜನೆಗೆ ತಗಲುವ ವೆಚ್ಚವನ್ನು ಮಾಹಿತಿ ತಂತ್ರಜ್ಞಾನ, ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ನಿರ್ದೇಶನಾಲಯದ ಮುಖಾಂತರ ಕೆಐಐ ಸಂಸ್ಥೆಗೆ ಹಿಡುಗಡೆಗೊಳಿಸುವುದು.

6] ಈ ಆದೇಶವನ್ನು ಟಿಪ್ಪಣಿ ಸಂಖ್ಯೆ: ಎಸಿಎಸ್ 2392 ಎಫ್/2017 ದಿನಾಂಕ:09.05.2017ರನ್ವಯ ಆರ್ಥಿಕ ಇಲಾಖೆಯ ಸಹಮತಿಯೊಂದಿಗೆ ಹಾಗೂ ವಿಷಯ ಪ್ರಕರಣ ಸಂಖ್ಯೆ:437/2017 ದಿನಾಂಕ:05.07.2017ರನ್ವಯ ರಾಜ್ಯ ಸಚಿವ ಸಂಪುಟದ ಅನುಮೋದನೆಯೊಂದಿಗೆ ಹೊರಡಿಸಲಾಗಿದೆ.

ಕರ್ನಾಟಕ ರಾಜ್ಯಪಾಲರ ಆಜ್ಞಾನುಸಾರ
ಮತ್ತು ಅನುರ ಹಸರಿನಲ್ಲಿ


(ಸಿಡ್ಲಿಮೆಪ್ಪ ಹ ತಳವಾರ)

ಸರ್ಕಾರದ ಅಧೀನ ಕಾರ್ಯದರ್ಶಿ,
ಮಾಹಿತಿ ತಂತ್ರಜ್ಞಾನ, ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ
ಹಾಗೂ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಇಲಾಖೆ

ಇವರಿಗೆ:-

1. ಮಹಾಲೇಖಪಾಲರು (ಲೆಕ್ಕಪತ್ರ 1 ಮತ್ತು 2), ಕರ್ನಾಟಕ, ಬೆಂಗಳೂರು.
2. ಸರ್ಕಾರದ ಮುಖ್ಯ ಕಾರ್ಯದರ್ಶಿ, ಕರ್ನಾಟಕ ಸರ್ಕಾರ.
3. ಸರ್ಕಾರದ ಅಪರ ಮುಖ್ಯ ಕಾರ್ಯದರ್ಶಿ, ಆರ್ಥಿಕ ಇಲಾಖೆ, ಕರ್ನಾಟಕ ಸರ್ಕಾರ.
4. ಸರ್ಕಾರದ ಮುಖ್ಯ ಕಾರ್ಯದರ್ಶಿಯವರ ಆಪ್ತ ಕಾರ್ಯದರ್ಶಿ (ಸಚಿವ ಸಂಪುಟ), ವಿಧಾನಸೌಧ, ಬೆಂಗಳೂರು (ಪ್ರಕರಣ ಸಂಖ್ಯೆ: 437/2017 ದಿನಾಂಕ:05.07.2017).
5. ನಿರ್ದೇಶಕರು, ಮಾತಂ, ಜೈವಿಕ ನಿರ್ದೇಶನಾಲಯ, ಶಾಂತಿನಗರ, ಬೆಂಗಳೂರು.
6. ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕೆಐಐ, ಶಾಂತಿನಗರ, ಬೆಂಗಳೂರು.
7. ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಡಿ.ಯೋನಿಕ್ಸ್ ಸಂಸ್ಥೆ, ಶಾಂತಿನಗರ, ಬೆಂಗಳೂರು.
8. ಸಂಬಂಧಪಟ್ಟ ವಿಶ್ವವಿದ್ಯಾಲಯ / ಶೈಕ್ಷಣಿಕ ಸಂಸ್ಥೆಗಳಿಗೆ (ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕೆಐಐ ಮುಖಾಂತರ).
9. ಸಮಿತಿಯ ಸದಸ್ಯರುಗಳಿಗೆ (ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕೆಐಐ ಮುಖಾಂತರ).
10. ಶಾಖಾ ರಕ್ಷಾ ಕಡತ / ಹೆಚ್ಚುವರಿ ಪ್ರತಿ.

**MEMORANDUM OF UNDERSTANDING (MOU) FOR
ESTABLISHMENT OF INFORMATION
CENTRE/DEMONSTRATION CENTRE**

BETWEEN



**Karnataka State Biofuel Development Board, Government of
Karnataka No 116, 8th cross, Kumara park west, Railway parallel
Road, Bangalore 5600 020**

AND



**Basaveshwar Engineering College (Autonomous),
Post Box No.53, S. Nijalingappa Vidyanagar,
BAGALKOT- 587 102, Karnataka, India.**
Phone No.08354-234060 (O) Telefax: 08354-234204 e-mail: bsw@yashem.ac.in

MEMORANDUM OF UNDERSTANDING (MOU) FOR ESTABLISHMENT OF INFORMATION CENTRE/DEMONSTRATION CENTRE

1. This Memorandum of Understanding (MOU) drawn on Friday date: 30th December 2011 between.

Karnataka State Biofuel Development Board,
Government of Karnataka
No 116, 8th cross, Kumara park west,
Railway parallel Road, Bangalore 5600 020

And

Hereinafter referred to as the partners of the project with their Abbreviated names as Basaveshwar Engineering College (Autonomous), Bagalkot

2. The purpose of this MOU is to set up information centre/ demonstration centre to provide information for all the public, farmers, bio fuel cultivators, researchers and entrepreneurs in the field of bio fuels. The field of bio fuels covers providing information on different plant species, harvesting, marketing, processing, value addition and all related information on bio fuels. This information centre eventually covering all activities of bio-diesel and bio-ethanol sector shall serve as a role model for all others.
3. The partners have mutually agreed to come together to plan, implement and establish information centre with objectives, roles and deliverables reflected in detail here under:
 - A. This information centre has been conceptualised as a showcase to study, promote & demonstrate all aspects of the bio-fuel business namely,
 1. Providing information on Bio Fuels.
 2. Various sources of oil.
 3. Agronomic practices for these sources.
 4. Post-harvest technologies like de-cortication, oil expelling etc.
 5. Treatment & uses of oils.
 6. Trans-esterification methods & efficiencies.
 7. Quality control of seeds, oils & blended bio-diesel & ethanol.
 8. Optimisation of usage of straight vegetable oils (SVO`s) & blended bio-fuels.
 9. Exploration of various business models w.r.t. bio-fuel sector
 10. R&D and extension services
 - B. The information centre shall serve to meet the needs of all stake holders of the Bio-Fuel sector which will mean and include:

8. The Institute may also collaborate with various organisations involved in similar activities to increase the knowledge-base or share domain expertise.
9. The Institute shall typically develop nurseries, seed propagation, demo plantations of all Oil-seeds bearing plants, expelling units, Bio Diesel processing plant, Biogas plant from agro-wastes/Oil cake, Bio DG Power generation, Tillers, Tractors, vehicles running on bio-diesel.
10. The Institute shall establish testing facilities for Seed testing, Oil testing and research facilities focussed on agronomic, engineering & manufacturing aspects of Bio-Diesel.
11. The KSBDB shall provide 100% funding for information material, literature & for the establishment of information/demonstration centre in the Institute.
12. The KSBDB shall provide funding for specific & time bound R & D activities in the field of bio-fuels carried out by the information/demonstration centre.
KSBDB
13. The ~~Karnataka State Biofuel Development Board~~ ~~at Bagalkot~~ shall co-ordinate in bringing the funds from Govt. Of India such as Dept. of Science & Technology, Ministry of Petroleum & Natural Gas, Ministry of New & Renewable Energy, Dept. of Bio-Technology etc for the Research & Development activities to be carried out by the information/demonstration centre.
14. In the event of not fulfilling the objectives of this information centre either by poor maintenance or by negligence or by any other reasons, the Karnataka State Biofuel Development Board or the Government of Karnataka shall take over the assets of information centre and re-establish it in any other location or place of its choice without any prior intimation to the Institute.

The partners of this MOU namely Karnataka State Bio fuel Development Board and Basaveshwar Engineering College (Autonomous), Bagalkot hereby attest their commitment to this project by affixing their signatures in agreement to the above clauses and accept to extend whole-hearted co-operation to establish this information centre.

Signed in agreement by the Partners of MOU:

Managing Director Karnataka State Bio fuel Development Board Government of Karnataka Bangalore <i>Managing Director</i> Karnataka State Biofuel Development Board Bangalore	The Principal Basaveshwar Engineering College (Autonomous), Bagalkot
Witnessed by: 1.	2. <i>[Signature]</i> PRINCIPAL, Basaveshwar Engineering, College, BAGALKOT.

[Signature]
 Technical Officer
 Karnataka State Biofuel
 Development Board, Bengaluru



सत्यमेव जयते

INDIA NON JUDICIAL

Government of Karnataka

Rs 20

e-Stamp

Certificate No. : IN-KA89295498721262T
Certificate Issued Date : 30-Aug-2021 01:18 PM
Account Reference : NONACC (FI)/ kacrsfl08/ BAGALKOT10/ KA-BG
Unique Doc. Reference : SUBIN-KAKACRSFL0838390398553631T
Purchased by : PRINCIPAL BASAVESHWAR ENGG COLLEGE A BAGALKOT
Description of Document : Article 12 Bond
Description : AGREEMENT
Consideration Price (Rs.) : 0
(Zero)
First Party : PRINCIPAL BASAVESHWAR ENGG COLLEGE A BAGALKOT
Second Party : NATURA CROP CARE BENGALURU
Stamp Duty Paid By : PRINCIPAL BASAVESHWAR ENGG COLLEGE A BAGALKOT
Stamp Duty Amount(Rs.) : 20
(Twenty only)

सत्यमेव जयते

BAGALKOT VIKAS PATTINA
SAHAKAR SANGHA NIYAMIT
VIDYAGIRI BAGALKOT



Please write or type below this line

MEMORANDUM OF UNDERSTANDING (MoU)
BETWEEN

Basaveshwar Engineering College (Autonomous), Bagalkote
AND
Natura Crop Care, Bengaluru

This Memorandum of Understanding (hereinafter called as the 'MoU') is entered into on 30th day of August 2021 by and between

Basaveshwar Engineering College (Autonomous) Bagalkote, the First Party represented herein by its Principal, Basaveshwar Engineering College (Autonomous), Bagalkote
And M/s Natura Crop Care, Bengaluru, The Second party, and represented herein by its Managing Partner, Natura Crop Care, Bengaluru

Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at www.shohestamp.com or using e-Stamp Mobile App of Stock Holding. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid
2. The onus of checking the legitimacy is on the users of the certificate
3. In case of any discrepancy please inform the Competent Authority

WHEREAS:

A) First Party is a Higher Educational Institution named: **Basaveshwar Engineering College (Autonomous), Bagalkote**

B) First Party & Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.

C) The Parties intent to cooperate and focus their efforts on cooperation within area of Skill Based Training, Education, Placement, Industrial Visit, Expert Lecture, student internship and projects.

D) M/s **Natura Crop Care, Bengaluru**- the Second Party is engaged in agri-preneurs with research back ground in sustainable agriculture, modern -sustainable farming into manufacturing of organic input for commercial horticultural crops such as Pomegranate, Black pepper, Guava etc., with emphasis on Polyhouse crops such as Dutch Roses, Carnations, Gerbera, Liliiums, Anthuriums, Cut Crysanthemums, Colored Capsicum, European cucmbers, Tomatoes, Melons etc.

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERETO AGREE AS FOLLOWS:

CLAUSE 1 : CO-OPERATION

- 1.1 Both Parties are united by common interests and objectives, and they shall establish co-operation.
- 1.2 First Party and Second Party co-operation will facilitate effective utilization of the intellectual capabilities.
- 1.3 The parties shall co-operate with each other and shall as promptly as is responsibly practical, relevant agreement.

CLAUSE 2: SCOPE OF THE MoU

2.1 Industrial Training & Visits: Industry and Institution interaction will provide an insight into the latest developments / requirements of the industries; the Second Party to permit the Faculty and Students of the First Party to visit its group companies and also involve in Industrial Training Programs for the First Party. This will provide confidence & smooth transition for students work. Also the Second party may register on the AICTE Internship Portal for the benefit of students.

2.2 Guest Lectures: Second Party to extend the necessary support to deliver guest lecturers to the students of the First Party on the technology trends and in house requirements.

2.3 Placement of trained students: second party will actively engage to help the delivery of the training and placement of the students of the first party on the technology trends and in house requirements.

2.4 There is no financial commitment on the part of the **Basaveshwar Engineering College (Autonomous) Bagalkote** the first party to take up any program mention in MoU. If there is any financial consideration, it will be dealt separately.

2.5 Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required.

CLAUSE 3:**VALIDITY**

3.1 This MoU will be valid for 5 years from the date of signing and may be extended on mutual consent in writing between the parties or until it is terminated by one of the Parties. Either Party may terminate this MoU at any time for any or no reason upon 30 days written notice to the other Party, or immediately if a Party has failed to cure a material breach of this MoU 10 days after receiving written notice of such breach.

CLAUSE 4 :**RELATIONSHIP BETWEEN THE PARTIES**

4.1 It is expressly agreed that First Party and Second Party are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership.

For & on behalf of
Basaveshwar Engineering College (A)
Bagalkote


Signature:

Name: Dr. S.S. Injagneri
Designation: Principal

For & on behalf of
Natura Crop Care
Bengaluru

Signature:



Name: Mr. Manoj Kumar R
Designation: Founder & Managing Partner

Witness-1

Name: Dr Bharati S Meti

Address: Dept of Biotechnology, BEC, Bagalkote

Signature:



Witness-2

Name: Mr. Rajashekar

Address: Natura Crop Care, Bengaluru

Signature:



This Memorandum of Understanding is made on the 21.02.2016

Between

R.G. Kasat, Industries Pvt. Ltd,
Plot No. 71 & 80, Agro Tech Park, Navanagar,
Bagalkot – 587 002, Karnataka
Tel: 08354-226607
Email - rgkasat@gmail.com, www.rgkasat.com

And

Department of Biotechnology
Basaveshwar Engineering College (Autonomous), Bagalkot
S. Nijalingappa, Vidyagiri, Bagalkot-587 103

Mission:

In accordance with the mutual desire to enhance academia-industry interaction and promote knowledge sharing, R G Kasat, Industries Pvt. Ltd, Bagalkot and Department of Biotechnology, Basaveshwar Engineering College, Bagalkot enter into this formal statement of collaboration in the form of Memorandum of Understanding (MoU) with the objective of enabling students and academic staff gets acquainted in industrial biotechnology.

Objectives:

1. **Education –**

- 1.1 **Basaveshwar Engineering College, Bagalkot and R G Kasat, Industries Pvt. Ltd, Bagalkot** shall explore the possibilities of offering Industrial training course for UG students and staff in the areas of food biotechnology.
- 1.2 **R G Kasat, Industries Pvt. Ltd, Bagalkot** shall impart teaching and training in Food processing technology.

2. **Research –**

- 2.1 **Department of Biotechnology, Basaveshwar Engineering College, Bagalkot and R G Kasat, Industries Pvt. Ltd, Bagalkot** shall promote active interaction among their staff and explore possibilities for undertaking commercial or public funded joint research and development projects.
- 2.2 **R. G. Kasat Industries Pvt. Ltd.** can offer industrial projects/problems to BEC, Bagalkot students
- 2.3 Scientists of both institutions will be encouraged to apply for sponsored or funded projects keeping in view the interests and philosophies of the respective institutions.

3. **Industrial training program in Food Processing –**

- 3.1 **R G Kasat, Industries Pvt. Ltd, Bagalkot** shall offer training courses of various durations to the students of **Basaveshwar Engineering College, Bagalkot** in the area of food processing

BW

For Basaveshwar Engineering College, Bagalkot

Signature: 


Name: Dr. R. N. Herkal

Designation: Principal

(Authorized Representative with seal)

**Principal,
Basaveshwar Engineering College
BAGALKOT.**

WITNESS:

Signature: 

Name: Dr. Bharati S. Meti

Designation: HOD,

Department of Biotechnology

Basaveshwar Engineering College
BAGALKOT 587 102

For R G Kasat, Industries Pvt. Limited, Bagalkot


Signature: **R. G. Kasal Industries Pvt. Ltd**

Name: Mr. Pavan Kasat

Designation: Managing Director

(Authorized Representative with seal)

WITNESS:

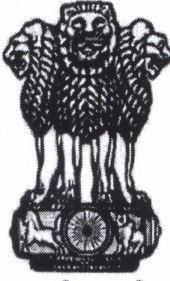
Signature: 

Name: Ashish - Kasat

Designation:

Place : Bagalkot

Date : 21-02-2016



सत्यमेव जयते

INDIA NON JUDICIAL

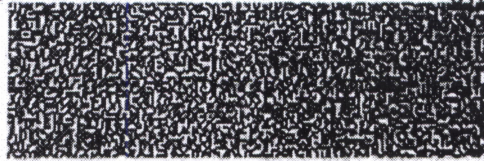
Government of Karnataka

Rs. 20

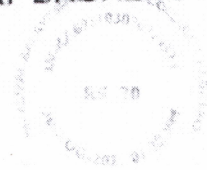
e-Stamp

Certificate No. : IN-KA89310302671452T
Certificate Issued Date : 30-Aug-2021 01:22 PM
Account Reference : NONACC (FI)/ kacrsf108/ BAGALKOT10/ KA-BG
Unique Doc. Reference : SUBIN-KAKACRSFL0838423218572040T
Purchased by : PRINCIPAL BASAVESHWAR ENGG COLLEGE A BAGALKOT
Description of Document : Article 12 Bond
Description : AGREEMENT
Consideration Price (Rs.) : 0
(Zero)
First Party : PRINCIPAL BASAVESHWAR ENGG COLLEGE A BAGALKOT
Second Party : SIDDAPUR DISTILLARIES LIMITED SDL SIDDAPUR
Stamp Duty Paid By : PRINCIPAL BASAVESHWAR ENGG COLLEGE A BAGALKOT
Stamp Duty Amount(Rs.) : 20
(Twenty only)

सत्यमेव जयते



BAGALKOT VIKAS PATTINA
SAHAKAR BANCHA NIYAMIT
VIDYAGINI BAGALKOT



Please write or type below this line

MEMORANDUM OF UNDERSTANDING (MoU)

BETWEEN

Basaveshwar Engineering College (Autonomous), Bagalkote

AND

Siddapur Distilleries Limited (SDL), Siddapur

This Memorandum of Understanding (hereinafter called as the 'MoU') is entered into on 30th day of August 2021 by and between

Basaveshwar Engineering College (Autonomous) Bagalkote, the First Party represented herein by its Principal, Basaveshwar Engineering College (Autonomous), Bagalkote

And Siddapur Distilleries Limited (SDL), Siddapur, The Second party, and represented herein by its Executive Director, Siddapur Distilleries (SDL), Siddapur.

Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at 'www.shoestamp.com' or using e-Stamp Mobile App of Stock Holding Corporation of India.
2. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
3. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.



WHEREAS:

A) First Party is a Higher Educational Institution named: **Basaveshwar Engineering College (Autonomous) Bagalkote**

B) First Party & Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.

C) The Parties intent to cooperate and focus their efforts on cooperation within area of Skill Based Training, Education, Placement, Industrial Visit, Expert Lecture, student internship and projects.

D) **Siddapur Distilleries (SDL), Siddapur**- It is a 140 KLPD 3 in 1 plant with a facility for the production of 140 KLPD Rectified Spirit, 55.2 KLPD ENA and 130 KLPD Ethanol. It is a multi-pressure vacuum based continuous process plant and the generation of spent wash in the distillery is about 7-8 litres per litre of spirit. Further it has established Bio-digester plant for the generation of methane gas out of spent wash to be used as a fuel in the boiler and thereafter to use the treated spent wash for the production of organic manure. In this regard it has developed about 21 acre of land for facilitating the production of organic manure by using Pressmud as a filling material along with culture and other additives to enrich the compost. It is supplying Compost manure to the government of Karnataka for distributing to the farmers through Raith Seva Kendra.

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERETO AGREE AS FOLLOWS:

CLAUSE 1 : CO-OPERATION

- 1.1 Both Parties are united by common interests and objectives, and they shall establish co-operation.
- 1.2 First Party and Second Party co-operation will facilitate effective utilization of the intellectual capabilities.
- 1.3 The parties shall co-operate with each other and shall as promptly as is responsibly practical, relevant agreement.

CLAUSE 2: SCOPE OF THE MoU

2.1 Industrial Training & Visits: Industry and Institution interaction will provide an insight into the latest developments / requirements of the industries; the Second Party to permit the Faculty and Students of the First Party to visit its group companies and also involve in Industrial Training Programs for the First Party. This will provide confidence & smooth transition for students work. Also the Second party may register on the AICTE Internship Portal for the benefit of students.

2.2 Guest Lectures: Second Party to extend the necessary support to deliver guest lecturers to the students of the First Party on the technology trends and in house requirements.

2.3 Placement of trained students: second party will actively engage to help the delivery of the training and placement of the students of the first party on the technology trends and in house requirements.

2.4 There is no financial commitment on the part of the **Basaveshwar Engineering College (Autonomous) Bagalkote** the first party to take up any program mention in MoU. If there is any financial consideration, it will be dealt separately.

2.5 Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required.

CLAUSE 3: VALIDITY

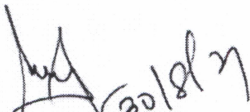
3.1 This MoU will be valid for 5 years from the date of signing and may be extended on mutual consent in writing between the parties or until it is terminated by one of the Parties. Either Party may terminate this MoU at any time for any or no reason upon 30 days written notice to the other Party, or immediately if a Party has failed to cure a material breach of this MoU 10 days after receiving written notice of such breach.

CLAUSE 4 : RELATIONSHIP BETWEEN THE PARTIES

4.1 It is expressly agreed that First Party and Second Party are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership.

For & on behalf of
Basaveshwar Engineering College (A)
Bagalkote

For & on behalf of
Siddapur Distilleries Limited (SDL)
Siddapur


Signature:

Name: Dr. S.S. Injagneri

Designation: Principal


Signature:

Name: Mr. Dharmalingayya J. Gudagunti

Designation: Executive Director

Witness-1


Name: Dr. Bharati S Meti

Address: Dept of Biotechnology, BEC, Bagalkote

Signature:



Witness-2


Name: Ms. C.D. Haragapuse
Chief Executive officer

Address: SDL, Siddapur.

Signature:

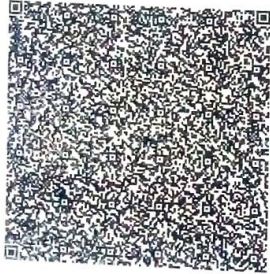


सत्यमेव जयते

INDIA NON JUDICIAL
Government of Karnataka

e-Stamp

Certificate No. : IN-KA96895719715386N
Certificate Issued Date : 21-Jul-2015 03:33 PM
Account Reference : NONACC (FI)/ kacrsf108/ BAGALKOT4/ KA-BG
Unique Doc. Reference : SUBIN-KAKACRSFL0842881638929002N
Purchased by : CHAIRMAN B V V SANGHA BAGALKOT
Description of Document : Article 12 Bond
Description : M O U
Consideration Price (Rs.) : 0
(Zero)
First Party : CHAIRMAN B V V SANGHA BAGALKOT
Second Party : VICE CHANCELLOR U H S BAGALKOT
Stamp Duty Paid By : CHAIRMAN B V V SANGHA BAGALKOT
Stamp Duty Amount(Rs.) : 200
(Two Hundred only)



Authorized Signatory
Dr. Bagalkot District Judicial
Officials' Co-op. Society Ltd
Navanagar, BAGALKOT

.....Please write or type below this line.....

MEMORANDUM OF UNDERSTANDING BETWEEN UNIVERSITY OF HORTICULTURAL SCIENCES, BAGALKOT AND BASAVESHWAR VEERASHAIVA VIDYA VARDHAKA SANGHA (BVVS), BAGALKOT FOR COLLABORATIVE TEACHING, RESEARCH AND CO-CURRICULAR ACTIVITIES.

PREAMBLE:

The University of Horticultural Sciences, Bagalkot was established on 22.11.2008 and is in the process of developing the infrastructural and field facilities for teaching, conducting research and establishment of state of art laboratories. B.Sc. (Hort.), M.Sc. (Hort.) and Doctoral degree programme are being run in the colleges of the university with regular co-curricular activities.

-1-

Statutory Alert:

1. The authenticity of this Stamp Certificate should be verified at www.shclrestamp.com. Any discrepancy in the details on this Certificate and as available on the website renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

SIGNATORIES OF THIS AGREEMENT

Signed on 7-10-2015 at Bagalkot

IN WITNESS WHEREOF, the undersigned, being duly authorized by their respective organizations, sign this MOU on the date as above written.


Signed by



Registrar
University of Horticultural Sciences
Navanagar, BAGALKOT - 587 102

Signed by


CHAIRMAN
B.V.V. Sangha, Bagalkot

in the presence of

Witness 1. 
Principal
University Engineering College
BAGALKOT

Witness 2. 
Dean, Students Welfare

Witness 3. **Univ. of Horticultural Sciences**
BAGALKOT 587 102

MEMORANDUM OF UNDERSTANDING

Between



DEPARTMENT OF BIOTECHNOLOGY
BASAVESHWAR ENGINEERING COLLEGE (AUTONOMOUS)
S. Nijalingappa Vidyanagar, BAGALKOT- 587 103



Shri Vaikunt Biotech

Mix. of Tissue Culture Plants
Near Chou Bazar, Main Road, GULEDUGUDD

Page 1 of 5

This Memorandum of Understanding is made on the 1st April, 2017

Between

Shri. Vaikunt Biotech, Guledgudd
And

Department of Biotechnology
Basaveshwar Engineering College (Autonomous), Bagalkot
(Hereafter referred as BEC, Bagalkot)
S. Nijalingappa, Vidyanagar, Bagalkot-587 103

Mission:

In accordance with the mutual desire to enhance academia-industry interaction and promote knowledge sharing, **Shri. Vaikunt Biotech, Guledgudd** and **Department of Biotechnology, Basaveshwar Engineering College, Bagalkot** enter into this formal statement of collaboration in the form of Memorandum of Understanding (MoU) with the objective of enabling students and academic staff gets acquainted in industrial biotechnology.

Objectives:

1. Education -

- 1.1 **Basaveshwar Engineering College, Bagalkot** and **Shri. Vaikunt Biotech, Guledgudd** shall explore the possibilities of offering Industrial training course for UG/PG students and staff in the areas of industrial biotechnology.
- 1.2 **Shri. Vaikunt Biotech, Guledgudd** shall impart teaching and training in related topics including plant tissue culture and industrial biotechnology.

2. Research -

- 2.1 **Department of Biotechnology, Basaveshwar Engineering College, Bagalkot** and **Shri. Vaikunt Biotech, Guledgudd** shall promote active interaction among their staff and explore possibilities for undertaking commercial or public funded joint research and development projects.
- 2.2 Scientists of both institutions will be encouraged to apply for sponsored or funded projects keeping in view the interests and philosophies of the respective institutions.

Page 2 of 5

Basav

BV

3. Industrial training program

3.1 Shri. Vaikunt Biotech, Gulegdodd shall offer training courses of various durations to the students of Basaveshwar Engineering College, Bagalkot using the company's infrastructure based in Bangalore.

3.2 Department of Biotechnology, Basaveshwar Engineering College, Bagalkot shall encourage the students to avail the subsidized industrial visit and workshop programs organized by Shri. Vaikunt Biotech, Gulegdodd.

4. Shri. Vaikunt Biotech, Gulegdodd shall provide Faculty Development Programs to the Department of Biotechnology, Basaveshwar Engineering College, Bagalkot academic staffs on current trends in biotechnology and plant tissue cultures. The training cost for all programs will be borne by the candidate(s) or delegates in a pre-determined manner.

5. Research Publications and Patents

5.1 Research findings as a result of this collaborative work between Department of Biotechnology, Basaveshwar Engineering College, Bagalkot and Shri. Vaikunt Biotech, Gulegdodd shall be made available to the public after approval from both the parties.

5.2 Research findings published by either party will give credit to other party's contribution, but the party publishing them will be entirely responsible for conclusions and interpretations reported.

5.3 The right or proprietorship for any patents, products, technology development or other innovations, jointly developed by Department of Biotechnology, Basaveshwar Engineering College, Bagalkot and Shri. Vaikunt Biotech, Gulegdodd shall be jointly owned as per agreement to be signed by both parties as case to case basis. Otherwise, both Department of Biotechnology, Basaveshwar Engineering College, Bagalkot and Shri. Vaikunt Biotech, Gulegdodd agrees that any patents, products, technology development or other innovations produced by Department of Biotechnology, Basaveshwar Engineering College, Bagalkot and Shri. Vaikunt Biotech, Gulegdodd during the period of MoU, where there are no contributions from Department of Biotechnology, Basaveshwar Engineering College, Bagalkot and Shri. Vaikunt Biotech, Gulegdodd human resources shall be the sole property of the respective institution.



6. Duration of MoU

6.1 The Agreement shall be valid for a period of 5 Years from the date of execution. The agreement may be renewed based on the performance and on mutually agreed terms and conditions.

6.2 The agreement may be terminated in the event of either party having breached the terms and conditions mentioned above. In such a case however the students already enrolled for the course or undergoing internship at Shri. Vaikunt Biotech, Gulegdodd shall continue and complete the course/internship as per the provision of this agreement for this purpose the agreement shall be operative. Either party can terminate the agreement giving 60 days notice.

7. Amendment to the MoU

During the operation of the MoU, circumstances may arise which may call for alteration in the MoU, which shall be mutually discussed and agreed upon by both parties.

8. Breach of Agreement

if either party is found violating the above mentioned terms or condition of the MoU, the other party may terminate the MoU with three months notice.

9. Arbitration

Any dispute arising with regard to any aspect of the Agreement shall be steered through mutual consultation and by written consent by the two parties to the MoU. In case settlement is not arrived at, the dispute will come under the purview and provisions of the Indian Arbitration and Conciliation Act, 1996 of Government of India.

10. Jurisdiction

In the event of any disputes between the two parties only the Courts of India shall have exclusive jurisdiction. However no court case shall be preferred by either party until Arbitration has been resorted to and has proved unfruitful.

Having gone through each and every condition of this agreement and having understood it clearly and perfectly both the parties affix their signatures below as attesting to this deed on the 1st April, 2017.



For Basaveshwar Engineering College, Bagalkot

Signature: [Signature]

Name: Dr. R. N. Herkal

Designation: Principal

(Authorized Representative with seal)

**Basaveshwar Engineering College,
BAGALKOT.**

WITNESS:

Signature: [Signature]

No. Head of the Department
Department of Biotechnology
Basaveshwar Engineering College
BAGALKOT - 587 103
Department of Biotechnology

For , Shri. Vaikunt Biotech, Guledgudd

Signature: [Signature]

Name: Mr. Sampath Randad

Designation: Managing Director

(Authorized Representative with seal)

WITNESS:

Signature: [Signature]

Name Govind Randad

Designation: Asst Manager.

Place : Bagalkot

Date : 01-04-2017



सत्यमेव जयते

INDIA NON JUDICIAL

Government of Karnataka

Rs. 20

e-Stamp

Certificate No.	: IN-KA98862058676335T
Certificate Issued Date	: 08-Sep-2021 01:59 PM
Account Reference	: NONAGC (FI) kac/sf08/ BAGALKOT7/ KA-BG
Unique Doc. Reference	: SUBIN-KAKACFSPL0856351823493562T
Purchased by	: BASAVESHWAR ENGINEERING COLLEGE BAGALKOTE
Description of Document	: Article 12 Band
Description	: MOU
Consideration Price (Rs.)	: 0 (Zero)
First Party	: BASAVESHWAR ENGINEERING COLLEGE BAGALKOTE
Second Party	: GBUIITS INNOVATIONS PVT LTD VIJAYAPUR
Stamp Duty Paid By	: BASAVESHWAR ENGINEERING COLLEGE BAGALKOTE
Stamp Duty Amount (Rs.)	: 20 (Twenty only)

सत्यमेव जयते

For, Minority Jeevan Jyoti Credit Co-Op Society Ltd., Bagalkote

Authorized Signature



MEMORANDUM OF UNDERSTANDING (MOU)

BETWEEN
BASAVESHWAR ENGINEERING COLLEGE (AUTONOMOUS), BAGALKOTE

AND

GBUIITS INNOVATIONS PVT LTD, VIJAYAPUR

This Memorandum of Understanding (hereinafter called as the 'MOU') is entered into on this the 8th day of September 2021 by and between, Basaveshwar Engineering College (Autonomous), Bagalkote, the First Party represented herein by its Principal, Dr. S.S.Injaganeri and Gbuiits Innovations Pvt Ltd, Vijayapur. The Second Party, and represented herein by its MD, Mr. Muttanna B. Sarashetti.

Statutory Alert:

1. The authenticity of this e-Stamp Certificate should be verified at www.stamps.gov.in or using a Stamp Mobile App of Stock Holding Corporation of India.
2. Any discrepancy in the details of this Certificate and as available on the website www.stamps.gov.in or the App renders it invalid.
3. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

WHEREAS:

- A) First Party is a Higher Educational Institution named: **BASAVESHWAR ENGINEERING COLLEGE (AUTONOMOUS), BAGALKOTE.**
- B) First Party & Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.
- C) The Parties intent to cooperate and focus their efforts on cooperation within area of Skill Based Training, Education, Placement, Industrial Visit, Expert Lecture, Internship etc. for engineering and MBA students.
- D) **GBUITS INNOVATIONS PVT LTD, VIJAYAPURA** - the Second Party is engaged in SAP Product Development, SAP Consulting and Application support services.

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERETO AGREE AS FOLLOWS:

CLAUSE 1: CO-OPERATION

- i. Both Parties are united by common interests and objectives, and they shall establish co-operation.
- ii. First Party and Second Party co-operation will facilitate effective utilization of the intellectual capabilities.
- iii. The parties shall co-operate with each other and shall as promptly as is responsibly practical, relevant agreement.

CLAUSE 2: SCOPE OF THE MOU

- i. Industrial Training & Visits: Industry and Institution interaction will provide an insight into the latest developments / requirements of the industries; the Second Party to permit the Faculty and Students of the First Party to visit its group companies and also involve in Industrial Training Programs for the First Party. This will provide confidence & smooth transition for students work. Also the Second party may register on the AICTE Internship Portal for the benefit of students.

-3-

- ii. Guest Lectures: Second Party to extend the necessary support to deliver guest lectures to the students of the First Party on the technology trends and in house requirements.
- iii. Placement of trained students: Second Party will actively engage to help the delivery of the training and placement of the students of the First Party on the technology trends and in house requirements.
- iv. There is no financial commitment on the part of the **BASAVESHWAR ENGINEERING COLLEGE (AUTONOMOUS), BAGALKOTE**, the First Party to take up any program mention in MOU. If there is any financial consideration, it will be dealt separately.
- v. Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required.

CLAUSE 3: VALIDITY

This MOU will be valid for 3 years from the date of signing and may be extended on mutual consent in writing between the parties or until it is terminated by one of the Parties. Either Party may terminate this MOU at any time, for any, or no reason upon 30 days written notice to the other Party, or immediately if a Party has failed to cure a material breach of this MOU 10 days after receiving written notice of such breach.

CLAUSE 4: RELATIONSHIP BETWEEN THE PARTIES

It is expressly agreed that First Party and Second Party are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership.

For & on behalf of
Basaveshwar Engineering College (A)
Bagalkot

Signature:

Name: Dr. S. S. Injagneri

Designation: Principal

Witness-1

Name: Dr S. R. Patil

Address: Dept of ISE, BEC, BGK

Signature:

For & on behalf of
Gbuits Innovations Pvt Ltd.
Vijayapura

Signature:

Mr. Muttanna B. Sarashetti.

Designation: Managing Director

Witness-2

Name: Prof. P. K. Deshpande

Address: Dept of ISE, BEC, BGK

Signature:



सत्यमेव जयते

INDIA NON JUDICIAL

Government of Karnataka

Rs. 20

e-Stamp

Certificate No.	: IN-KA98845473058768T
Certificate Issued Date	: 08-Sep-2021 12:44 PM
Account Reference	: NONAOC (FI) kaorsf08/ BAGALKOT7/ KA-BG
Unique Doc. Reference	: SUBIN-KARACRSL0855499150277161
Purchased by	: BASAVESHWAR ENGINEERING COLLEGE BAGALKOTE
Description of Document	: Article 12 Band
Description	: MOU
Consideration Price (Rs.)	: 0 (Zero)
First Party	: BASAVESHWAR ENGINEERING COLLEGE BAGALKOTE
Second Party	: INSYTEL TECHNOLOGY SOLUTIONS PUNE
Stamp Duty Paid By	: BASAVESHWAR ENGINEERING COLLEGE BAGALKOTE
Stamp Duty Amount (Rs.)	: 20 (Twenty only)

सत्यमेव जयते

For, Minority Jeevan Jyoti Credit Co-Op Society Ltd., Bagalkot

Authorised Signature



MEMORANDUM OF UNDERSTANDING (MOU)

BETWEEN

BASAVESHWAR ENGINEERING COLLEGE (AUTONOMOUS), BAGALKOTE

AND

INSYTEL TECHNOLOGY SOLUTIONS, PUNE

This Memorandum of Understanding (hereinafter called as the 'MOU') is entered into on this the 8th day of September 2021 by and between.

Basaveshwar Engineering College (Autonomous), Bagalkote, the First Party represented herein by its Principal, Dr. S.S. Injaganeri, and Insystel Technology Solutions, Pune. The Second Party, and represented herein by its Founder Director, Mr. Mohammad Kutubuddin Jalihal.

Statutory Alert:

1. The authenticity of the Stamp Certificate should be verified at www.echodigitals.com/karnataka or using the Mobile App of Stock Holding Corporation of India.
2. Any discrepancy in the Stamp Certificate and as available on the website or Mobile App renders it invalid.
3. The onus of checking the stamp duty is on the users of the certificate.
4. In case of any discrepancy please inform the Competent Authority.

WHEREAS:

A) First Party is a Higher Educational Institution named: **BASAVESHWAR ENGINEERING COLLEGE (AUTONOMOUS), BAGALKOTE.**

B) First Party & Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.

C) The Parties intent to cooperate and focus their efforts on cooperation within area of Skill Based Training, Education, Placement, Industrial Visit, Expert Lecture, Internship etc. for engineering and MBA students.

D) **INSYSEL TECHNOLOGY SOLUTIONS, PUNE** - the Second Party is engaged in services like application services, infrastructure, testing, digital, business process services and built their in-house home grown products.

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU,
THE PARTIES HERETO AGREE AS FOLLOWS:

CLAUSE 1: CO-OPERATION

- 1.1 Both Parties are united by common interests and objectives, and they shall establish co-operation.
- 1.2 First Party and Second Party co-operation will facilitate effective utilization of the intellectual capabilities.
- 1.3 The parties shall co-operate with each other and shall as promptly as is responsibly practical, relevant agreement.

CLAUSE 2: SCOPE OF THE MOU

- 2.1 Industrial Training & Visits: Industry and Institution interaction will provide an insight into the latest developments / requirements of the industries; the Second Party to permit the Faculty and Students of the First Party to visit its group companies and also involve in Industrial Training Programs for the First Party. This will provide confidence & smooth transition for students work. Also the Second party may register on the AICTE Internship Portal for the benefit of students.
- 2.2 Guest Lectures: Second Party to extend the necessary support to deliver guest lectures to the students of the First Party on the technology trends and in house requirements.
- 2.3 Placement of trained students: Second Party will actively engage to help the delivery of the training and placement of the students of the First Party on the technology trends and in house requirements.
- 2.4 There is no financial commitment on the part of the **BASAVESHWAR ENGINEERING COLLEGE (AUTONOMOUS), BAGALKOTE**, the First Party to take up any program mention in MOU. If there is any financial consideration, it will be dealt separately.
- 2.5 Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required.


CLAUSE 3: VALIDITY

3.1 This MOU will be valid for 3 years from the date of signing and may be extended on mutual consent in writing between the parties or until it is terminated by one of the Parties. Either Party may terminate this MOU at any time, for any, or no reason upon 30 days written notice to the other Party, or immediately if a Party has failed to cure a material breach of this MOU 10 days after receiving written notice of such breach.

CLAUSE 4: RELATIONSHIP BETWEEN THE PARTIES

5.1 It is expressly agreed that First Party and Second Party are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership.

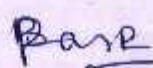
For & on behalf of
Basaveshwar Engineering College (A)
Bagalkot

Signature: 
Name: Dr. S. S. Injaganeri
Designation: Principal

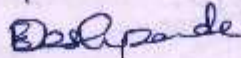
For & on behalf of
Insystel Technology Solutions
Pune

Signature: 
Name: Mr. Mohammad Kutubuddin Jalihal
Designation: Founder Director

Witness-1

Name: Dr S. R. Patil
Address: Dept of ESE, BEC, BGK
Signature: 

Witness-2

Name: Prof. P. K. Deshpande
Address: Dept. of ISE, BEC, BGK
Signature: 

MEMORANDUM OF UNDERSTANDING (MOU)

BETWEEN

BASAVESHWAR ENGINEERING COLLEGE (A) TQ. NIMHUR, BAGALKOTE

INSYSTEAL TECHNOLOGY SOLUTIONS PUNE

This Memorandum of Understanding (MOU) is entered into under the 2nd day of September, 2021 between

Basaveshwar Engineering College (A) Tq. Nimhur, Bagalkote the First Party, represented here by Principal, Dr. S. S. Injaganeri, and Insystel Technology Solutions, Pune, the Second Party, represented here by its Founder Director, Mr. Mohammad Kutubuddin Jalihal.



सत्यमेव जयते

INDIA NON JUDICIAL

Government of Karnataka

Rs. 20

e-Stamp

Certificate No.	: IN-KA98649425839778T
Certificate Issued Date	: 08-Sep-2021 12:45 PM
Account Reference	: NONAGG (FI)/kacrsf108/ BAGALKOT7/ KA-BG
Unique Doc. Reference	: SUBIN-KAKACRSF10855512551838391T
Purchased by	: BASAVESHWAR ENGINEERING COLLEGE BAGALKOTE
Description of Document	: Article 12 Bond
Description	: MOU
Consideration Price (Rs.)	: 0 (Zero)
First Party	: BASAVESHWAR ENGINEERING COLLEGE BAGALKOTE
Second Party	: SMARTEC IT SOLUTIONS HUBLI DHARWAD
Stamp Duty Paid By	: BASAVESHWAR ENGINEERING COLLEGE BAGALKOTE
Stamp Duty Amount (Rs.)	: 20 (Twenty only)

सत्यमेव जयते

For, Minority Jeevan Jyoti Grad Co-Op Society Ltd., Bagalkote

Authorised Signature



MEMORANDUM OF UNDERSTANDING (MOU)

BETWEEN

BASAVESHWAR ENGINEERING COLLEGE (AUTONOMOUS), BAGALKOTE

AND

SmarTec IT Solutions, Hubli-Dharwad

This Memorandum of Understanding (hereinafter called as the 'MOU') is entered into on this the 8th day of September 2021 by and between.

Basaveshwar Engineering College (Autonomous), Bagalkote, the First Party represented herein by its Principal, Dr. S.S.Injaganeri, and SmarTec IT Solutions, Hubli-Dharwad, The Second Party, and represented herein by its Proprietor, Mrs. Rekha A. Kittur.

Statutory Alert:

1. The authenticity of this e-Stamp Certificate should be verified at www.echestrans.com or using e-Stamp Mobile App of Stock Holding Corporation of India.
2. Any discrepancy to the details on this Certificate and as available on the website www.echestrans.com renders it invalid.
3. The onus of checking the legitimacy is on the users of this certificate.
3. In case of any discrepancy please inform the Competent Authority.

WHEREAS:

- A) First Party is a Higher Educational Institution named: **Basaveshwar Engineering College (Autonomous), Bagalkote.**
- B) First Party & Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.
- C) The Parties intent to cooperate and focus their efforts on cooperation within area of Skill Based Training, Education, Placement, Industrial Visit, Expert Lecture, Internship etc. for engineering and MBA students.
- D) **SmarTec IT Solutions, Hubli-Dharwad** - the Second Party is engaged in services like Software Development, IT Training, Networking Services, CCTV Camera Surveillance System, Biometric Device, Bulk SMS Services.

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU,
THE PARTIES HERETO AGREE AS FOLLOWS:

CLAUSE 1: CO-OPERATION

- 1.1 Both Parties are united by common interests and objectives, and they shall establish co-operation.
- 1.2 First Party and Second Party co-operation will facilitate effective utilization of the intellectual capabilities.
- 1.3 The parties shall co-operate with each other and shall as promptly as is responsibly practical, relevant agreement.

CLAUSE 2: SCOPE OF THE MOU

- 2.1 Industrial Training & Visits: Industry and Institution interaction will provide an insight into the latest developments / requirements of the industries; the Second Party to permit the Faculty and Students of the First Party to visit its group companies and also involve in Industrial Training Programs for the First Party. This will provide confidence & smooth transition for students work. Also the Second party may register on the AICTE Internship Portal for the benefit of students.
- 2.2 Guest Lectures: Second Party to extend the necessary support to deliver guest lectures to the students of the First Party on the technology trends and in house requirements.
- 2.3 Placement of trained students: Second Party will actively engage to help the delivery of the training and placement of the students of the First Party on the technology trends and in house requirements.
- 2.4 There is no financial commitment on the part of the **Basaveshwar Engineering College (Autonomous), Bagalkote.** the First Party to take up any program mention in MOU. If there is any financial consideration, it will be dealt separately.
- 2.5 Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required.

CLAUSE 3: VALIDITY

3.1 This MOU will be valid for 3 years from the date of signing and may be extended on mutual consent in writing between the parties or until it is terminated by one of the Parties. Either Party may terminate this MOU at any time, for any, or no reason upon 30 days written notice to the other Party, or immediately if a Party has failed to cure a material breach of this MOU 10 days after receiving written notice of such breach.

CLAUSE 4: RELATIONSHIP BETWEEN THE PARTIES

5.1 It is expressly agreed that First Party and Second Party are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership.

For & on behalf of
Basaveshwar Engineering College (A)
Bagalkot

Signature:

Name: Dr. S. S. Injaganeri

Designation: Principal

For & on behalf of
SmarTec IT Solutions
Hubli-Dharwad

Signature:

Name: Mr. Anilkumar K. K.

Designation: Director



Witness-1

Name: Dr S. R. - Patil

Address: Dept of ISE, BEC, Bagalkot

Signature: Romil

Head of Department
Information Science & Engineering
Basaveshwar Engineering College
BAGALKOT 587 102 INDIA

Witness-2

Name: DEENA ARULSWAMY

Address: Hubli

Signature:

MEMORANDUM OF UNDERSTANDING (MOU)

BASAVESHWAR ENGINEERING COLLEGE (AUTONOMOUS), BAGALKOTE

SmarTec IT Solutions, Hubli-Dharwad

This Memorandum of Understanding (MOU) is entered into on this 1st day of September 2021 by and between

Basaveshwar Engineering College (Autonomous), Bagalkote, the First Party, represented herein by the Principal, Dr. S. S. Injaganeri, and SmarTec IT Solutions, Hubli-Dharwad, the Second Party, represented herein by the Director, Mr. Anilkumar K. K.

MEMORANDUM OF UNDERSTANDING

Extension of Memorandum of Understanding – MOU is made on 01/09/2019

BETWEEN

Bosch Rexroth India Private Limited (BR)

Municipal No. 31, Survey No. 37/1

Nadakerappa Industrial Estate

Andrahalli

Bengaluru – 560091

Karnataka

and

Basaveshwar Engineering College (BEC)

Nijalingappa Vidyanagar

Bagalkot 587102

Karnataka

The Bosch Rexroth India Pvt. Ltd. and Basaveshwar Engineering College, Bagalkot have entered a Memorandum of Understanding (MOU) for establishing a "Regional Centre of Competency in Automation Technologies" in May 2010. The center is established as per Bosch Rexroth (BR) Didactic concept, in technical and financial participation by Bosch Rexroth, covering the region of Bagalkot, Haveri and Gadag.

The center is offering short term training program for undergraduate, post graduate and polytechnic students to meet the industry requirements, bridge the gap between industry and academia and enhance the competency level of students for better employability. The center so far has successfully organized 40 number of programs and has trained over 600 students of Basaveshwar Engineering College as well as other institutes like S.G.Balekundri Institute of Technology, Belgaum, Gokte Institute of Technology, Belgaum, KLE University Hubli, Nitte Institute of Technology, Bangalore, PES Institute of Technology and Management, Shimoga, Aurora's Scientific Technological and Research Academy, Hyderabad, etc.

Whereas Basaveshwar Engineering College is interested in Academic-Industry interaction with the purpose of Disseminating Technical knowledge to students, in the form of

- Offering training programs of short term duration or refresher courses of importance to the industry.
- To issue certificate of merit and to all the personnel successfully completing the training programs.

- To invite speakers of eminence from Industry to participate as Guest Lecturers/Seminars/Workshops/Training programmes/refresher courses, etc.

Whereas Bosch Rexroth India Private Limited has the industry personnel, the potential and the type of activity matching with the interests of BEC. Whereas BEC has approached Bosch Rexroth India Private Limited to utilize its services in terms of dissemination of knowledge in the field of Automation in its various forms as stated before.

NOW THIS AGREEMENT WITNESSETH

A. DEFINITIONS:

“Disseminating Knowledge” means to disperse the knowledge/technical knowhow amongst the students/industry personnel/ academicians.

“Places of vocation” means places of occupation or work on a day to day basis.

“Personnel” means faculty of BEC and resource persons of Bosch Rexroth India Private Limited.

B. TERMS AND CONDITIONS:

1. The training center will continue to offer short term training program for undergraduate, post graduate and polytechnic students to meet the industry requirements, bridge the gap between industry and academia and enhance the competency levels of students for better employability. The center will also train faculty of nearby Engineering Colleges and industry personnel. Successful participants will be awarded a joint certificate of Bosch Rexroth and regional center.
2. Bosch Rexroth India Private Limited shall train BEC's staff personnel against a request placed by BEC on Bosch Rexroth India Private Limited, on a mutually agreed rate.
3. Bosch Rexroth India Private Limited shall render assistance to BEC Students in terms of Project fixing and its completion for the graduating senior students of the under graduate program in Engineering and also for Post Graduate students if possible, against a request made by BEC on a case by case basis.
4. Bosch Rexroth India Private Limited shall try to render assistance to BEC Students in terms of providing internship opportunity to the UG / PG levels for students, Job training for students at the UG / PG levels and placement of students both at the UG and PG Levels.
5. Costs (if any) incurred by students of BEC in terms of successful completion of their projects at Bosch Rexroth India Private Limited, shall be borne by them individually as far as possible or by BEC and this shall not be the responsibility of Bosch Rexroth India Private Limited under any circumstances. BEC can work out a separate arrangement with the students to this effect.
6. Bosch Rexroth India Private Limited shall not be liable for any damages, consequential or otherwise while getting its personnel trained at BEC and the same shall be true of BEC personnel getting trained at Bosch Rexroth India Private Limited.

C) Covenants of Bosch Rexroth India Private Limited

1. The actual use of all facilities at Bosch Rexroth India Private Limited will be at the discretion and control of Bosch Rexroth India Private Limited.

2. Bosch Rexroth India Private Limited will render assistance (of non-monetary benefits) for successful completion of projects of Undergraduate and Post Graduate students in Engineering.
3. Bosch Rexroth India Private Limited will render all possible assistance in the developmental activities of BEC
4. Bosch Rexroth India Private Limited will render all possible assistance to BEC in terms of sponsoring Seminars/Workshops/Guest Lectures on mutually agreed and mutually beneficial topics of importance in the fields of Automation on a mutually agreed rate.

D) Covenants of BEC

1. BEC shall disseminate knowledge in the field of Automation by offering courses, training and / or offer Refresher courses of Industrial importance to students of BEC, students of other Engineering college, faculty of nearby Engineering college and industrial personnel
2. BEC shall take active interest in the overall development of personnel in Bosch Rexroth India Private Ltd. in terms of Training, Development, Consultation (Technical) so on and so forth.

This MOU is valid for next one year from the date of signing. The MOU may be reviewed and revised from time to time, if necessary, by mutual consent.

Agreed and Signed on:

F M. 7/2017

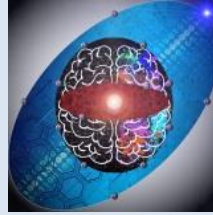


Dhirendra Gandhi
General Manager, Service & Training,
Bosch Rexroth India Private Limited
India

Dr. C. B. Shivayogimath

Dr. C. B. Shivayogimath
PRINCIPAL
Basaveshwar Engineering College,
Bagalkot, Karnataka India





Certificate of Internship

This is to certify that **ABDULRAZAK PATEL** was engaged in an internship from home in
“**Electronic Paper Display**” project during the tenure between
01-Jan-2021 to 30-Sep-2021.

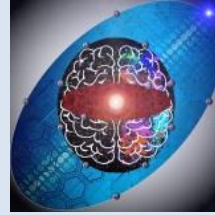
His performance during the training period was **GOOD**.

Awarded on Monday, the 25th of October 2021

Authorized Signatory (*),

For, **SiANOM Technologies Private Limited.**

**This is a computer generated letter, not requiring signature.*



Certificate of Internship

This is to certify that **Amogh Gudi** was engaged in a 8 week full time (8hrs/day) internship in online mode in “Automotive Machine Vision” project which deploys Object Detection ANN Models, **YOLOv5** and **RetinaNet**, during the tenure between

01-Jan-2021 to 30-Sep-2021.

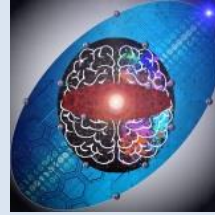
His performance during the training period was **EXCELLENT**.

Awarded on Monday, 18th of October 2021

Authorized Signatory (*),

For, **SiANOM Technologies Private Limited**.

**This is a computer generated letter, not requiring signature.*



Certificate of Internship

This is to certify that **ANVESH HIREMATH** was engaged in an internship from home in
“**Electronic Paper Display**” project during the tenure between
01-Jan-2021 to 30-Sep-2021.

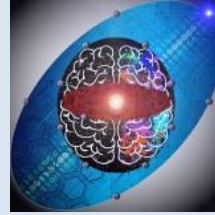
His performance during the training period was **GOOD**.

Awarded on Monday, the 25th of October 2021

Authorized Signatory (*),

For, **SiANOM Technologies Private Limited.**

**This is a computer generated letter, not requiring signature.*



Certificate of Internship

This is to certify that **HARSHITA PATIL** was engaged in an internship from home in
“**Electronic Paper Display**” project during the tenure between
01-Jan-2021 to 30-Sep-2021.

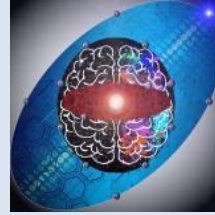
Her performance during the training period was **GOOD**.

Awarded on Monday, the 25th of October 2021

Authorized Signatory (*),

For, **SiANOM Technologies Private Limited.**

**This is a computer generated letter, not requiring signature.*



Certificate of Internship

This is to certify that **MAHESHWARI S. AMATYA** was engaged in an internship from home in “**Active Noise Cancellation**”, CNN Model development Project, during the tenure between 06-Jul-2021 to 30-Sep-2021.

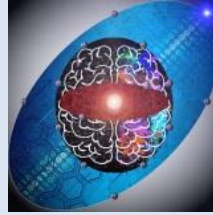
Her performance during the training period was GOOD.

Awarded on Monday, the 25th October 2021

Authorized Signatory (*),

For, **SiANOM Technologies Private Limited.**

**This is a computer generated letter, not requiring signature.*



Certificate of Internship

This is to certify that **MANJUNATH N KOTIN** was engaged in a 8 week full time internship from home in “**Smart Charging Access Network**” project during the tenure between 01-Jan-2021 to 30-Sep-2021.

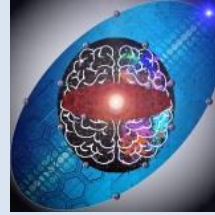
His performance during the training period was **GOOD**.

Awarded on Monday, 25th of October 2021

Authorized Signatory (*),

For, **SiANOM Technologies Private Limited.**

**This is a computer generated letter, not requiring signature.*



Certificate of Internship

This is to certify that **PRALHAD A DESHPANDE** was engaged in a 8 week full time internship from home in “**Smart Charging Access Network**” project during the tenure between 01-Jan-2021 to 30-Sep-2021.

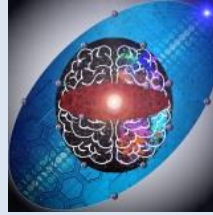
His performance during the training period was **GOOD**.

Awarded on Monday, 25th of October 2021

Authorized Signatory (*),

For, **SiANOM Technologies Private Limited.**

**This is a computer generated letter, not requiring signature.*



Certificate of Internship

This is to certify that **V K RAGHAVENDRA** was engaged in a 8 week full time internship from home in
“**Smart Charging Access Network**” project during the tenure between
01-Jan-2021 to 30-Sep-2021.

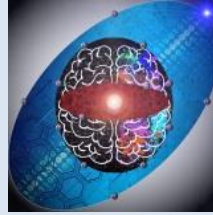
His performance during the training period was **GOOD**.

Awarded on Monday, 25th of October 2021

Authorized Signatory (*),

For, **SiANOM Technologies Private Limited.**

**This is a computer generated letter, not requiring signature.*



Certificate of Internship

This is to certify that **RAKSHITA VEERESH TENGINAKAI** was engaged in an internship from home in
“**Electronic Paper Display**” project during the tenure between
01-Jan-2021 to 30-Sep-2021.

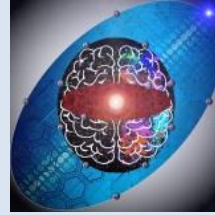
Her performance during the training period was **GOOD**.

Awarded on Monday, the 25th of October 2021

Authorized Signatory (*),

For, **SiANOM Technologies Private Limited.**

**This is a computer generated letter, not requiring signature.*



Certificate of Internship

This is to certify that **SANKET S WALI** was engaged in an internship from home in “**Active Noise Cancellation**”, CNN Model development Project, during the tenure between 06-Jul-2021 to 30-Sep-2021.

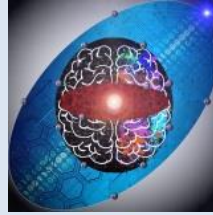
His performance during the training period was GOOD.

Awarded on Monday, the 25th October 2021

Authorized Signatory (*),

For, **SiANOM Technologies Private Limited.**

**This is a computer generated letter, not requiring signature.*



Certificate of Internship

This is to certify that **SHEETAL SANJEEVKUMAR MANVI** was engaged in an internship from home in
“**Electronic Paper Display**” project during the tenure between
01-Jan-2021 to 30-Sep-2021.

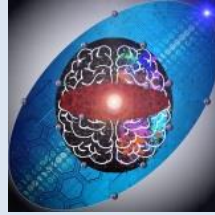
Her performance during the training period was **GOOD**.

Awarded on Monday, the 25th of October 2021

Authorized Signatory (*),

For, **SiANOM Technologies Private Limited.**

**This is a computer generated letter, not requiring signature.*



Certificate of Internship

This is to certify that **SHRIDHAR KUMBAR** was engaged in a 8 week full time internship from home in
“**Smart Charging Access Network**” project during the tenure between
01-Jan-2021 to 30-Sep-2021.

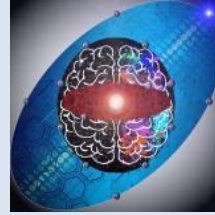
His performance during the training period was **GOOD**.

Awarded on Monday, 25th of October 2021

Authorized Signatory (*),

For, **SiANOM Technologies Private Limited.**

**This is a computer generated letter, not requiring signature.*



Certificate of Internship

This is to certify that **Upendr Joshi** was engaged in a 8 week full time (8hrs/day) internship in online mode in “Automotive Machine Vision” project which deploys Object Detection ANN Models, **YOLOv5** and **RetinaNet**, during the tenure between

01-Jan-2021 to 30-Sep-2021.

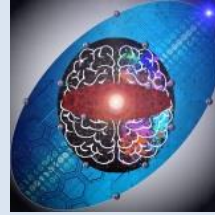
His performance during the training period was **EXCELLENT**.

Awarded on Monday, 18th of October 2021

Authorized Signatory (*),

For, **SiANOM Technologies Private Limited**.

**This is a computer generated letter, not requiring signature.*



Certificate of Internship

This is to certify that **Vasudev Hanamant Dambal** was engaged in a 8 week full time (8hrs/day) internship in online mode in "Automotive Machine Vision" project which deploys Object Detection ANN Models, **YOLOv5** and **RetinaNet**, during the tenure between 01-Jan-2021 to 30-Sep-2021.

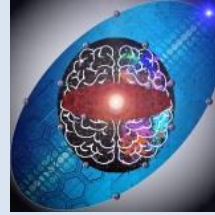
His performance during the training period was **EXCELLENT**.

Awarded on Monday, 18th of October 2021

Authorized Signatory (*),

For, **SiANOM Technologies Private Limited**.

**This is a computer generated letter, not requiring signature.*



Certificate of Internship

This is to certify that **Venugopal** was engaged in a 8 week full time (8hrs/day) internship in online mode in “Automotive Machine Vision” project which deploys Object Detection ANN Models, **YOLOv5** and **RetinaNet**, during the tenure between 01-Jan-2021 to 30-Sep-2021.

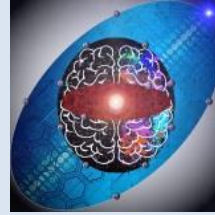
His performance during the training period was **EXCELLENT**.

Awarded on Monday, 18th of October 2021

Authorized Signatory (*),

For, **SiANOM Technologies Private Limited**.

**This is a computer generated letter, not requiring signature.*



Certificate of Internship

This is to certify that **Yogesh Jagadish Mahale** was engaged in a 8 week full time (8hrs/day) internship in online mode in "Automotive Machine Vision" project which deploys Object Detection ANN Models, **YOLOv5** and **RetinaNet**, during the tenure between 01-Jan-2021 to 30-Sep-2021.

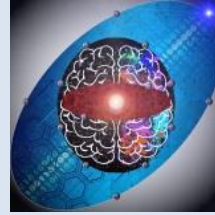
His performance during the training period was **EXCELLENT**.

Awarded on Monday, 18th of October 2021

Authorized Signatory (*),

For, **SiANOM Technologies Private Limited.**

**This is a computer generated letter, not requiring signature.*



Certificate of Internship

This is to certify that **SWATI PATROTI** was engaged in an internship from home in “**Electronic Paper Display**” project during the tenure between 01-Jan-2021 to 30-May-2021. Her performance during the training period was **GOOD**.

Awarded on Monday, the 25th of October 2021

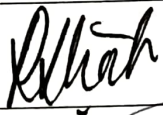
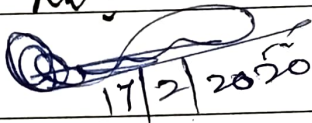
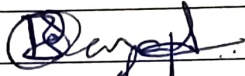




Authorized Signatory (*),

For, **SiANOM Technologies Private Limited.**

**This is a computer generated letter, not requiring signature.*

Industry Institute Interaction FLEXITRON Bengaluru and EEED BEC Bagalkot

As a part of MoU between BEC-EE Bagalkot and FLEXITRON Bengaluru, interaction session and meeting was conducted with representatives from FLEXITRON Bengaluru and HOD, Dept. of EE & Faculty members on 17.02.2020 at SCADA for Automation and Research laboratory. Following members participated in the discussion.

Sl.	Name	Signature
1	Mr. R. S. Hiremath CEO, FLEXITRON Bengaluru	
2	Dr. Suresh H. Jangamshetti Professor and HoD, EE, BEC Bagalkot	 17/2/2020
3	Dr. (Smt) D. S. Jangamshetti	
4	Dr. Basanagouda F. Ronad	
5	Prof. S. Y. Goudappanavar	
6	Prof. Vikas C Jainkeri	
7	Mahantesh L. Chikkadesai	
8.	Shivakumar G. Naegak	

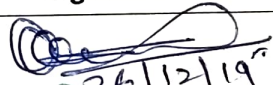
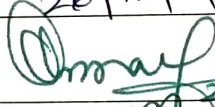


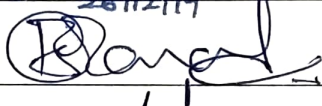



Following point were discussed in the meeting:

- Syllabus content of Battery Management System for PG, EEED
- Placement opportunities from industry for EE students
- Research opportunities associated with Industry and EE faculty members
- Internship opportunities in FLEXITRON Bengaluru for students were discussed. Conducting internship activities for BEC students by FLEXITRON Bengaluru
- Technical supports from Proposal for the consultancy activities of BEC for HESCOM are discussed.
- Meeting ended with a group photo session.



Industry Institute Interaction HESCOM Bagalkot and BEC-EE Bagalkot

As a part of MoU between BEC-EE Bagalkot and HESCOM Hubballi, interaction session and meeting is conducted with representatives from HESCOM Bagalkot and HOD, Dept. of EE & Faculty members on 26.12.2019 at EE Meeting Hall. Following members were participated in the discussion.

Sl.	Name	Signature
1	Dr. Suresh H. Jangamshetti Professor and HoD, EE, BEC Bagalkot	 26/12/19
2	Mr. K. G. Hiremath Superintending Engineer, HESCOM Bagalkot	 26/12/19
3	Mr. Arvind L. Naik AEE, HESCOM, Bagalkot	 26/12/19
4	Mr. Mohan D. Goudar SO, HESCOM, Vidyagiri, Bagalkot	 26/12/19
5	Dr. Basanagouda F. Ronad Professor, PG-PES, EE, BEC Bagalkot	 26/12/19
6	Prof. S. Y. Goudappnavar Asst. Professor, EE, BEC Bagalkot	
7	Prof. Vikas C Jainkeri Asst. Professor, EE, BEC Bagalkot	 26/12/19
8	Mr. Mahantesh L. Chikkadesai Research Scholar, EE, BEC Bagalkot	

Following point were discussed in the meeting:

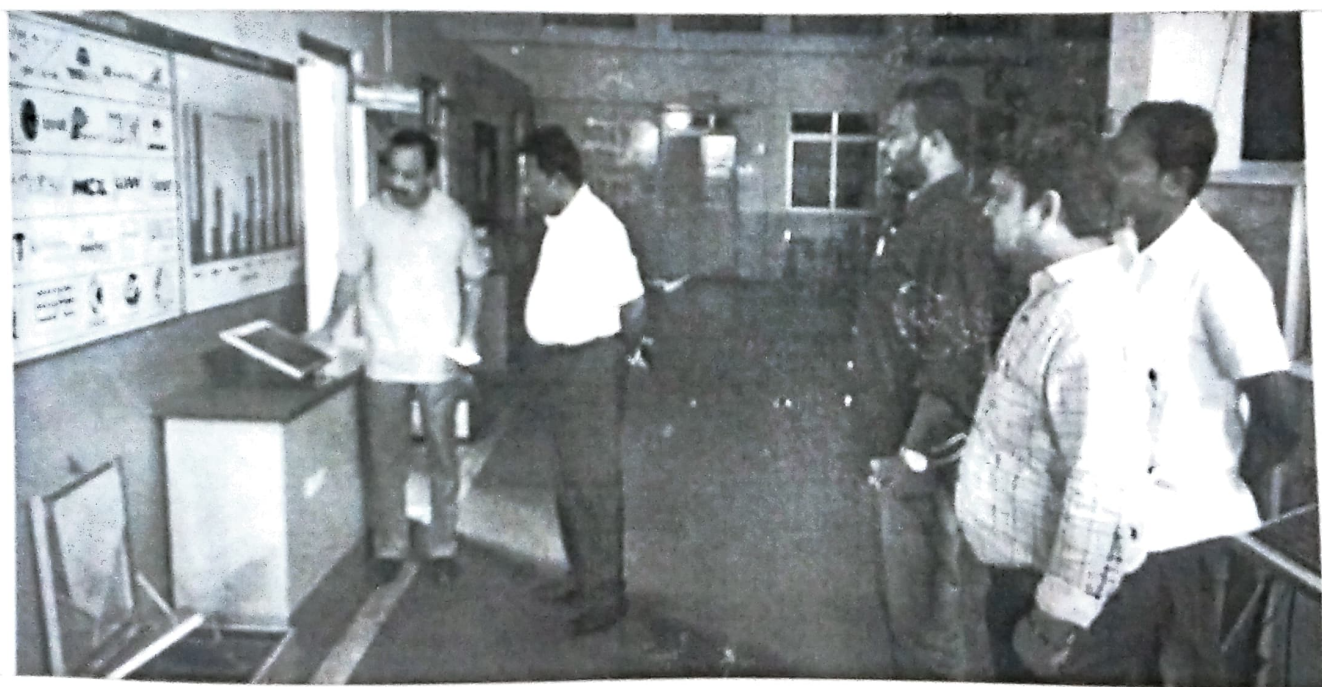
- As a part of MOU, continuation of Industry academia collaborative research work
- Rewiring of overhead distribution line to underground cabling in BEC, Bagalkot
- Certified transformer test centre (test bench) in EE department
- To provide the surveying & learning facility of electrical towers, transmission line & distribution transformers to EE students in North Karnataka flood affected regions
- Consultation facility to EE department on SPV based DC irrigation pumpset across river bed's and continuation of providing geographical sketch to draw single line diagram of feeders
- Continuation of Workshop and seminar in future in coordination with BEC-EE, Bagalkot is discussed
- Industry visit from BEC-EE faculty-students is assured.
- Internships to EE students in the industry



**Basaveshwar Engineering College (Autonomous),
Department of Electrical & Electronics Engineering
Bagalkot-587103, Karnataka state, India**


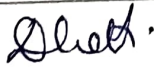

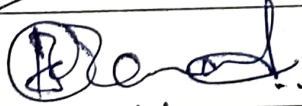





photos during the event



Academia Interaction

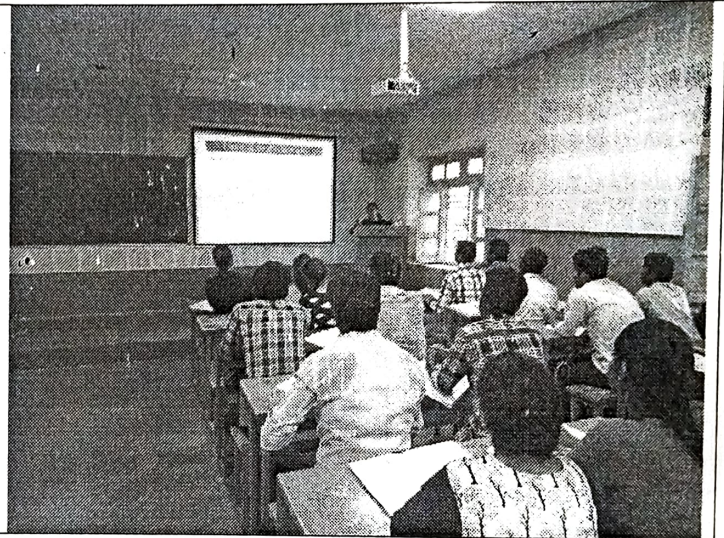
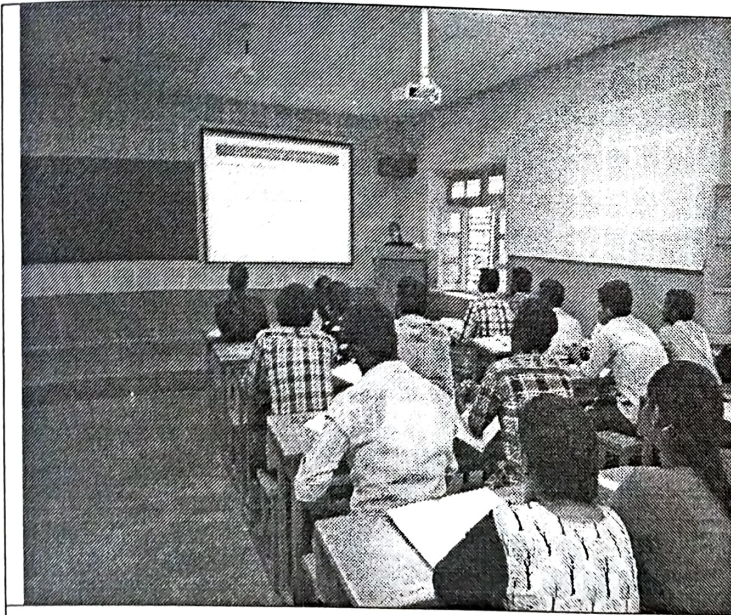
As a part of MoU between BEC-EE Bagalkot and PRDC Pvt Ltd, interaction session and meeting was conducted with representative from PRDC Bengaluru and HOD, Dept. of EE, Faculty members & UG VII students. Following members participated in the discussion.

Sl.	Name	Signature
1	Dr. Suresh H. Jangamshetti Professor and HoD, EE, BEC Bagalkot	
2	Dr. (Smt) D. S. Jangamshetti Professor, EE, BEC Bagalkot	
3	M/s. Preethi Kagale, Engineer, PRDC, Bengaluru	
4	Dr. Basanagouda F. Ronad Professor, EE-PES, BEC Bagalkot	
5	Prof. S. Y. Goudappnavar Asst. Professor, EE, BEC Bagalkot	
6	Prof. Vikas C Jainkeri Asst. Professor, EE, BEC Bagalkot	
7	Mr. Mahantesh L. Chikkadesai Research Scholar, EE, BEC Bagalkot	

Electrical & Electronics Engineering Dept., has organised Industry guest lecture titled **Power System Protection and Single Line Diagram** by M/s. Preethi Kagale, Engineer, PRDC, Bengaluru. Following points were discussed in the event.










- Introduction on power system mainly generation, transmission and different rating of power supply to the consumers
- Requirements of substation, receiving station and corresponding classifications are highlighted
- Design of converter with selection of MOSFET, Snubber design, EMI & EMC filter design are highlighted
- Design considerations in substation with different parameters and importance by interest
- Components of substation and their protection
- Different criteria considerations like thermal withstanding capacity and reliability are presented
- Design area in power system and clients with Central Govt. projects
- Career opportunities in core industry needs following skills:
 - MiPower
 - AUTOCAD
 - PHP
 - MYSEQL
- Continuation of Workshop and seminar in future in coordination with BEC-EE, Bagalkot is discussed
- Industry visit from BEC-EE faculty-students is assured

Photos during the interaction and visit to BEC-EE Research laboratories



MoU Activity

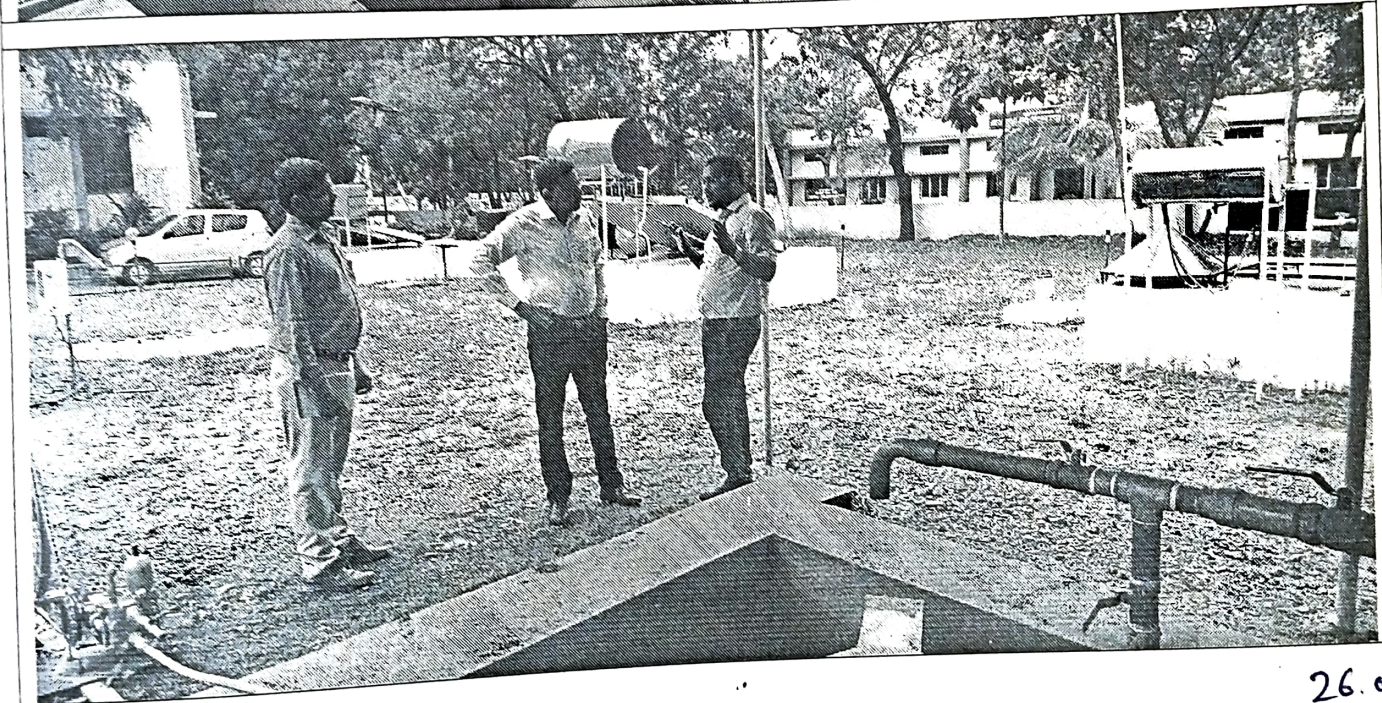
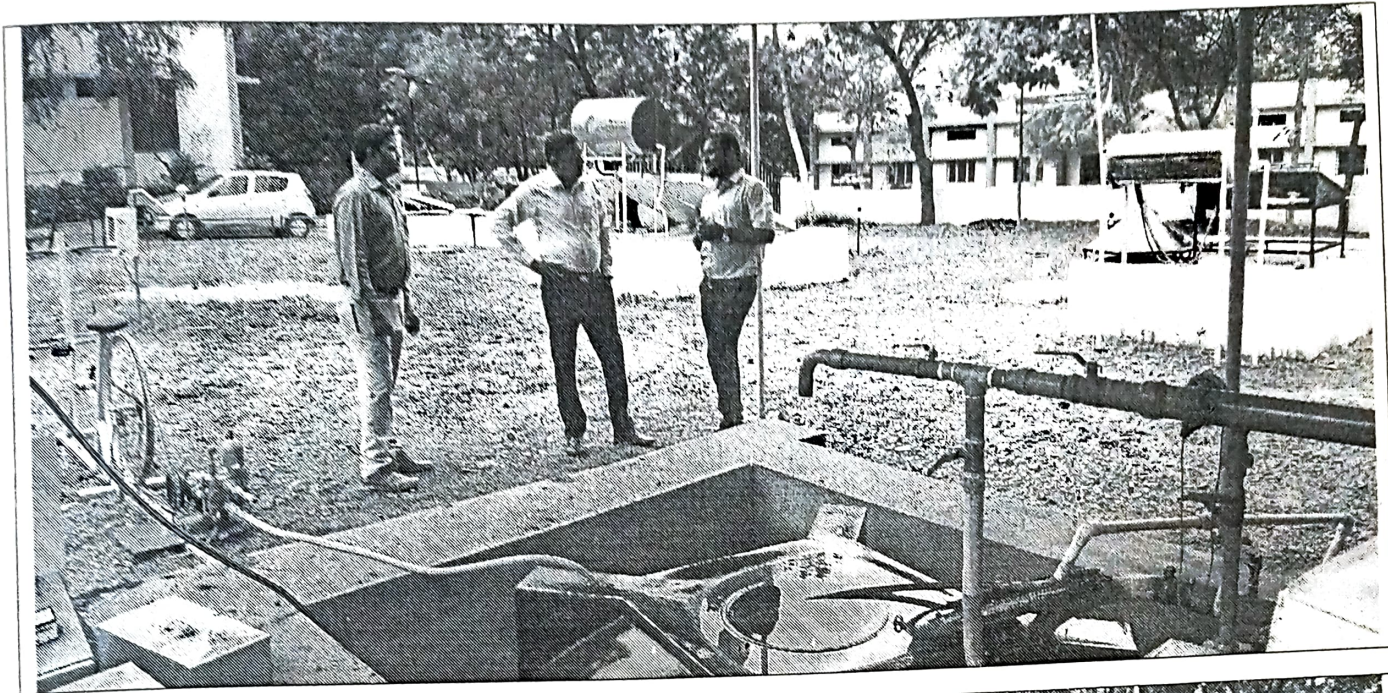
As a part of MoU between BEC-EE Bagalkot and PRDC Pvt. Ltd. Bengaluru, interaction session and meeting was conducted with representative from PRDC Bengaluru and HOD, Dept. of EE & Faculty members. Following members participated in the discussion.

Sl.	Name	Signature
1	Dr. Chandrashekhara Reddy Atla Principal Engineer, PRDC Bengaluru	
2	Miss. Preethi Kagale, Engineer, PRDC Bengaluru	
3	Dr. Suresh H. Jangamshetti Professor and HoD, EE, BEC Bagalkot	
4	Dr. (Smt) D. S. Jangamshetti	
5	Dr. R. L. Naik	
6	Smt. Sunita S Tambakad	
7	Dr. Basanagouda F. Ronad	
8	Prof. S. Y. Goudappanavar	
9	Prof. Vikas C Jainkeri	

Following points were discussed in the meeting:

- Renewal of MOU by and between PRDC Bengaluru and BEC Bagalkot
- Preparation of syllabus for the courses Electric Vehicles and Battery Management Systems
- Research opportunities associated with batteries available in BEC campus were suggested for the faculty members. Further methodology to be followed for the research and M.Tech project works was briefed.
- Internship opportunities in PRDC Bengaluru for M.Tech and B.E students were discussed. Conducting internship activities for BEC students by PRDC Bengaluru through video conferencing in SCADA lab is discussed.
- Technical support from PRDC for the consultancy activities of BEC for HESCOM are discussed.
- Conducting long term (4 weeks and 8 weeks) internship for engineering college faculty and students at BEC Bagalkot is proposed. Support from the industries and IEEE PES Execom is highlighted.
- Interaction with IEEE PES Student Chapter members is arranged with Dr. Chandrashekhara Reddy Atla.
- Meeting ended with a group photo session.


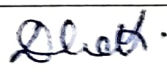

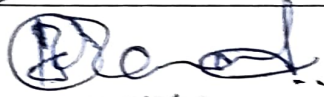



Photos during the interaction and visit to BEC-EE Research laboratories



26. of - 2019

Academia Interaction

As a part of MoU between BEC-EE Bagalkot and PRDC Pvt Ltd, interaction session and meeting was conducted with representative from PRDC Bengaluru and HOD, Dept. of EE, Faculty members & UG VII students. Following members participated in the discussion.

Sl.	Name	Signature
1	Dr. Suresh H. Jangamshetti Professor and HoD, EE, BEC Bagalkot	
2	Dr. (Smt) D. S. Jangamshetti Professor, EE, BEC Bagalkot	
3	M/s. Preethi Kagale, Engineer, PRDC, Bengaluru	
4	Dr. Basanagouda F. Ronad Professor, EE-PES, BEC Bagalkot	
5	Prof. S. Y. Goudappnavar Asst. Professor, EE, BEC Bagalkot	
6	Prof. Vikas C Jainkeri Asst. Professor, EE, BEC Bagalkot	
7	Mr. Mahantesh L. Chikkadesai Research Scholar, EE, BEC Bagalkot	

Electrical & Electronics Engineering Dept., has organised Industry guest lecture titled **Power System Protection and Single Line Diagram** by M/s. Preethi kagale, Engineer, PRDC, Bengaluru. Following points were discussed in the event.

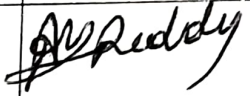

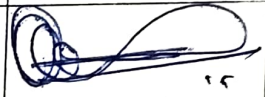
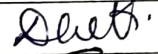


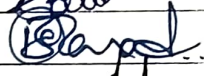


- Introduction on power system mainly generation, transmission and different rating of power supply to the consumers
- Requirements of substation, receiving station and corresponding classifications are highlighted
- Design of converter with selection of MOSFET, Snubber design, EMI & EMC filter design are highlighted
- Design considerations in substation with different parameters and importance by interest
- Components of substation and their protection
- Different criteria considerations like thermal withstanding capacity and reliability are presented
- Design area in power system and clients with Central Govt. projects
- Career opportunities in core industry needs following skills:
 - MiPower
 - AUTOCAD
 - PHP
 - MYSQL
- Continuation of Workshop and seminar in future in coordination with BEC-EE, Bagalkot is discussed
- Industry visit from BEC-EE faculty-students is assured

Photos during the interaction and visit to BEC-EE Research laboratories



MoU Activity

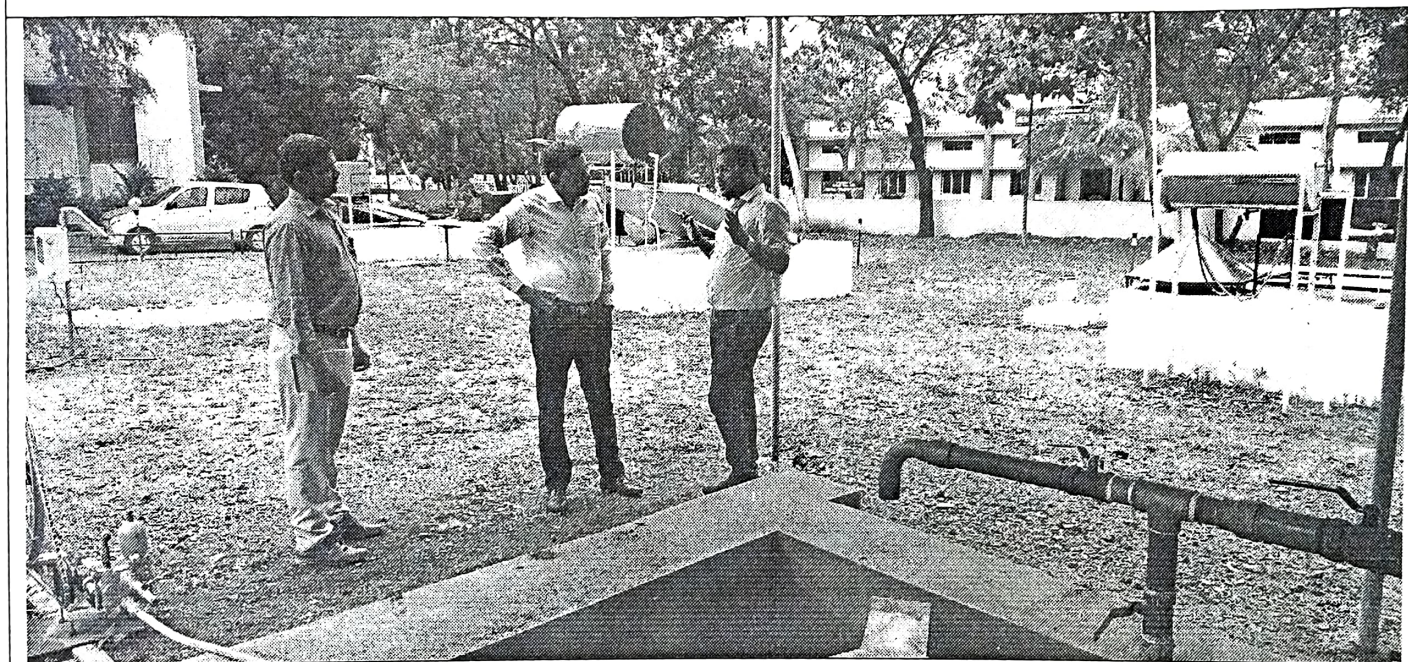
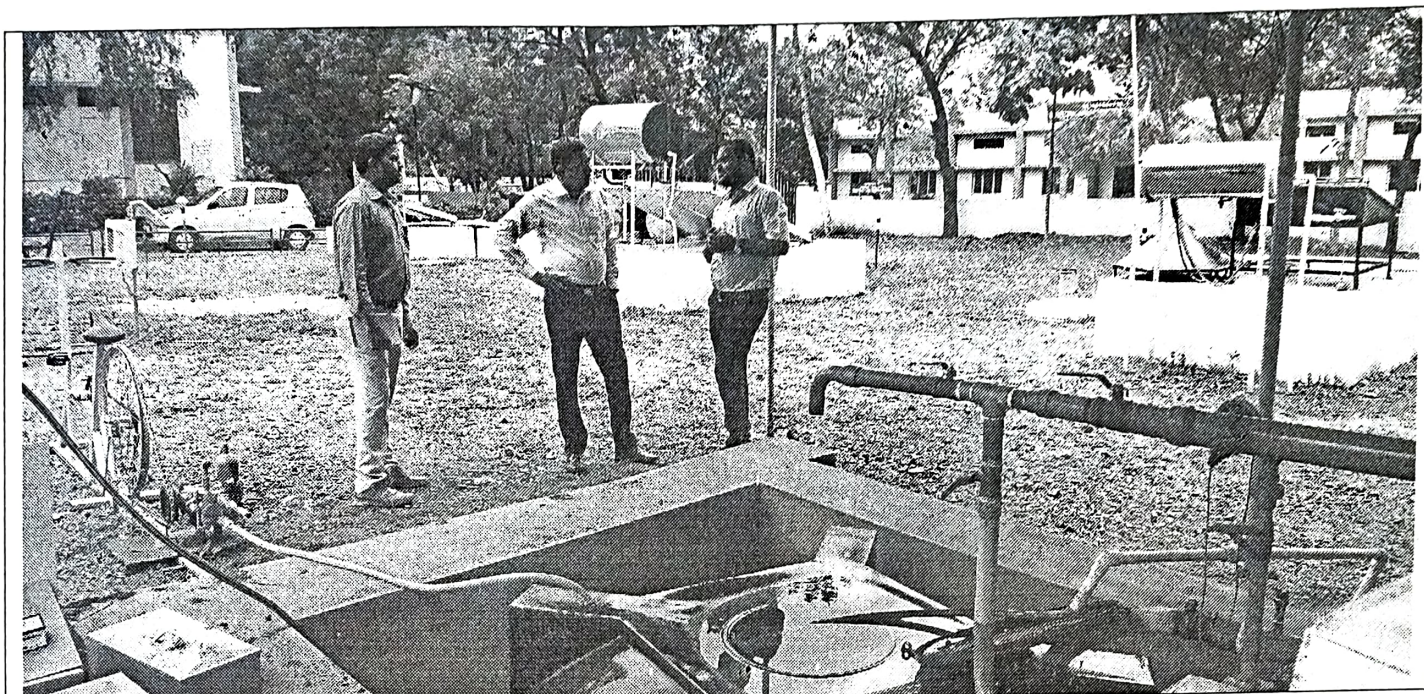
As a part of MoU between BEC-EE Bagalkot and PRDC Pvt. Ltd. Bengaluru, interaction session and meeting was conducted with representative from PRDC Bengaluru and HOD, Dept. of EE & Faculty members. Following members participated in the discussion.

Sl.	Name	Signature
1	Dr.Chandrashekhar Reddy Atla Principal Engineer, PRDC Bengaluru	
2	Miss. Preethi Kagale, Engineer, PRDC Bengaluru	
3	Dr. Suresh H. Jangamshetti Professor and HoD, EE, BEC Bagalkot	
4	Dr. (Smt) D. S. Jangamshetti	
5	Dr. R. L. Naik	
6	Smt. Sunita S Tambakad	
7	Dr. Basanagouda F. Ronad	
8	Prof. S. Y. Goudappnavar	
9	Prof. Vikas C Jainkeri	

Following point were discussed in the meeting:

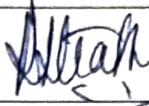


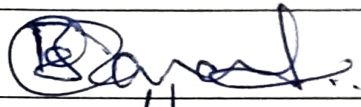

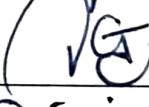

- Renewal of MOU by and between PRDC Bengaluru and BEC Bagalkot
- Preparation of syllabus for the courses Electric Vehicles and Battery Management Systems
- Research opportunities associated with batteries available in BEC campus were suggested for the faculty members. Further methodology to be followed for the research and M.Tech project works was briefed.
- Internship opportunities in PRDC Bengaluru for M.Tech and B.E students were discussed. Conducting internship activities for BEC students by PRDC Bengaluru through video conferencing in SCADA lab is discussed.
- Technical support from PRDC for the consultancy activities of BEC for HESCOM are discussed.
- Conducting long term (4 weeks and 8 weeks) internship for engineering college faculty and students at BEC Bgalkot is proposed. Support from the industries and IEEE PES Execom is highlighted.
- Interaction with IEEE PES Student Chapter members is arranged with Dr.Chandrashekhar Reddy Atla.
- Meeting ended with a group photo session.

Photos during the interaction and visit to BEC-EE Research laboratories



Industry Institute Interaction FLEXITRON Bengaluru and EEED BEC Bagalkot

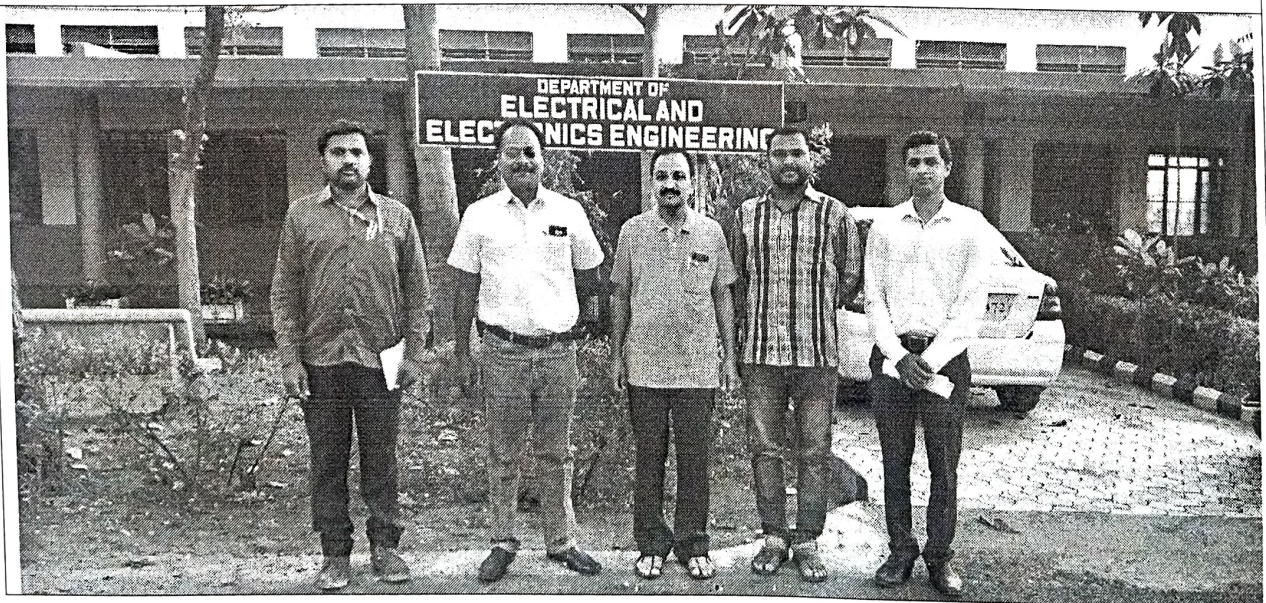
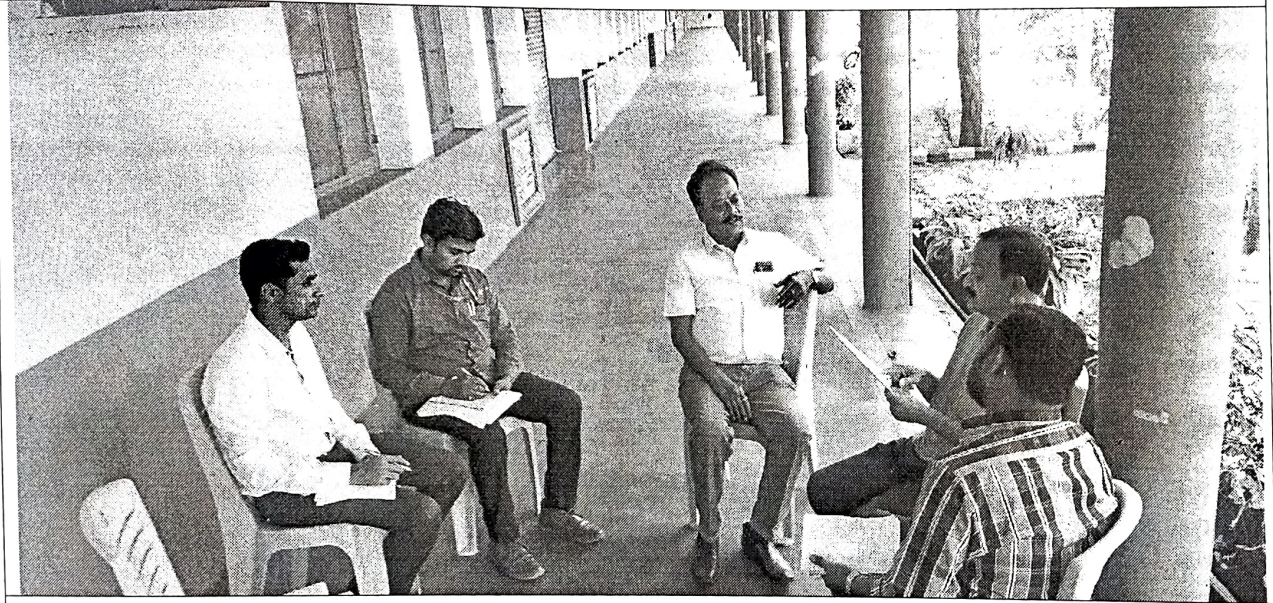
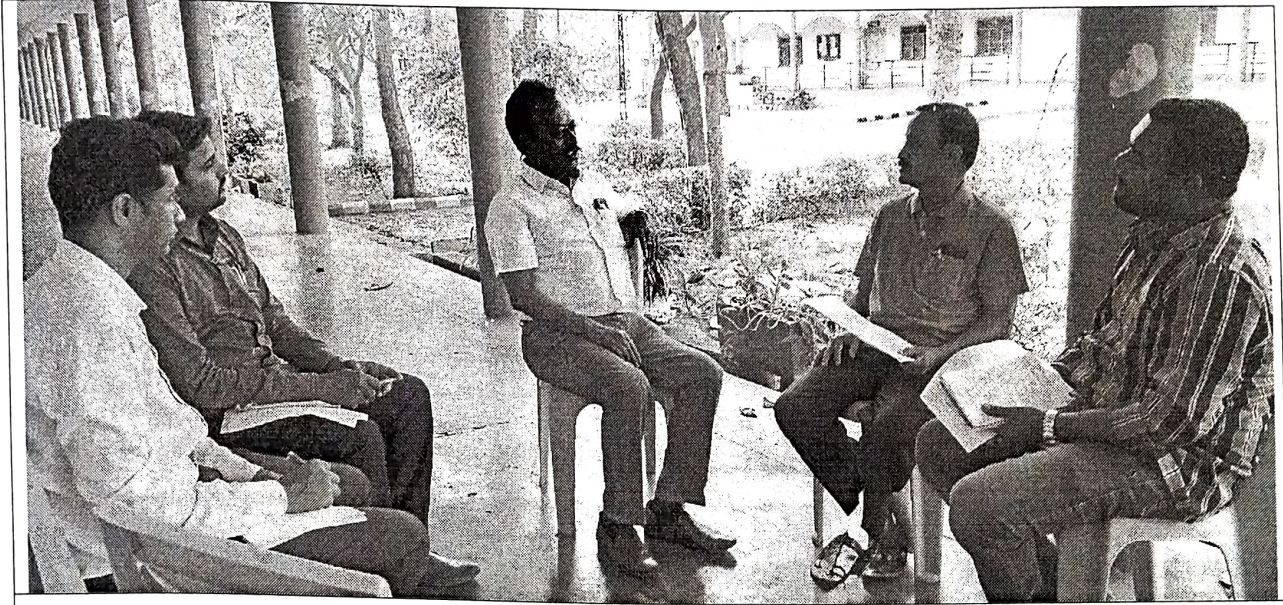
As a part of MoU between BEC-EE Bagalkot and FLEXITRON Bengaluru, interaction session and meeting was conducted with representatives from FLEXITRON Bengaluru and HOD, Dept. of EE & Faculty members on 02.10.2019 at EE Meeting Hall. Following members participated in the discussion.

Sl.	Name	Signature
1	Mr. R. S. Hiremath CEO, FLEXITRON Bengaluru	
2	Dr. Suresh H. Jangamshetti Professor and HoD, EE, BEC Bagalkot	
3	Dr. (Smt) D. S. Jangamshetti	
4	Dr. Basanagouda F. Ronad	
5	Prof. S. Y. Goudappnavar	
6	Prof. Vikas C Jainkeri	
7	Mahantesh L. Chikkadesai	

Following point were discussed in the meeting:

- Renewal of MOU by and between FLEXITRON Bengaluru and BEC Bagalkot
- Discussion on Research Proposal for Department of Science and Technology (DST) under Solar Energy Research and Development (SERD)
- Discussion about improvement of technology readiness levels of designed equipments
- Placement opportunities from industry for EE students
- Research opportunities associated with Industry and EE faculty members
- Internship opportunities in FLEXITRON Bengaluru for students were discussed. Conducting internship activities for BEC students by FLEXITRON Bengaluru
- Technical supports from Proposal for the consultancy activities of BEC for HESCOM are discussed
- Conducting long term (4 weeks and 8 weeks) internship for engineering college faculty and students at BEC Bagalkot is proposed
- Meeting ended with a group photo session.

Photos during the interaction



Basaveshwar Engineering College (Autonomous), Bagalkote
Department of BIOTECHNOLOGY

Industrial Internship (UBT710I) (2021-22)

Staff In charge: Dr. G.B. Megeri

Sl. No.	Name of the Student	USN	Industry/ Institute Name	E-mail
1	AMRUTH DEEPAK BHAT	2BA18BT001	T3 - MGen Pvt Ltd Bangalore	t3mgen@gmail.com
2	ANUSHA B KAWATAL	2BA18BT002	Cytoxn Biosolutions PVT Ltd Hubli	arunshettar9@gmail.com
3	CHAITANYA SANJAY KAGWADE	2BA18BT004	Sudha Alge Bagalkot	ajaypk.mail@gmail.com
4	KALPANA SOMAPPA LAMANI	2BA18BT005	Stroma Biotechnologis,bangalore	veeshnandikolmath@gmail.com
5	KRUTI N NIMBARAGI	2BA18BT006	Cytoxn Biosolutions PVT Ltd Hubli	arunshettar9@gmail.com
6	NEHA ALLABHAKSHA BAGAWAN	2BA18BT007	Natura Crop Bangalore	Natura.manoj@gmail.com
7	PAVANAKUMAR	2BA18BT008	Natura Crop Bangalore	Natura.manoj@gmail.com
8	PAVITRA IRANNA KATAGERI	2BA18BT009	Stroma Biotechnologis,bangalore	veeshnandikolmath@gmail.com
9	PRATI KSHA RUDRAKSHI		Mylan Laboratories Limited	Sunilkumar.P@viatris.com
10	SANA SAYED IDDALAGI	2BA18BT012	Stroma Biotechnologis,bangalore	veeshnandikolmath@gmail.com
11	SHAKTI ISHWARGOUDA PATIL	2BA18BT013	Natura Crop Bangalore	Natura.manoj@gmail.com
12	SHANKARAGOUDA PATIL	2BA18BT014	Natura Crop Bangalore	Natura.manoj@gmail.com
13	SHREENIDHI S JAHAGIRADARA	2BA18BT015	Natura Crop Bangalore	Natura.manoj@gmail.com
14	SHREERANG MUTALIK	2BA18BT016	Natura Crop Bangalore	Natura.manoj@gmail.com
15	SHREYA SATYANARAYAN BHAT	2BA18BT017	Cytoxn Biosolutions PVT Ltd Hubli	arunshettar9@gmail.com
16	SPOORTHIR KULKARNI	2BA18BT018	Cytoxn Biosolutions PVT Ltd Hubli	arunshettar9@gmail.com
17	VARSHA CHANDRASHEKHAR KACHATTI	2BA18BT019	Natura Crop Bangalore	Natura.manoj@gmail.com
18	YUKTA S HANDRAL	2BA18BT020	Mylan Laboratories Limited	Sunilkumar.P@viatris.com


Staff In charge


HOD
Head of the Department
Department of Biotechnology
Basaveshwar Engineering College
BAGALKOT - 587 103



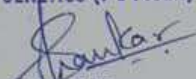
Date: 30.10.2021

CERTIFICATE

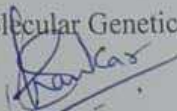
This is to certify that **Mr. Amruth Bhat** (USN: 2BA18BT001) B.E Biotechnology student from Basaveshwar Engineering College, Bagalkot, Karnataka, has successfully completed his internship program on “**Identification of differential markers for early diagnosis of IBD: proteomics approach**” for 30 days from 16.08.2021 to 16.09.2021 at T3 Molecular Genetics Private Limited, Bengaluru. During the period of his internship program with us he was punctual and inquisitive.

We wish him all the best for his future endeavors.

T-3 MOLECULAR GENETICS (T-3 MGEN) PVT. LTD.


DIRECTOR

T3 Molecular Genetics



Authorized Signatory

CYTXON

Biosolutions Pvt. Ltd.

Tel: +91-0836-2270305

Mob: +91-8431670004

+91-9035623200

E-mail: info@cytxon.com

Website: www.cytxon.com


INTERNSHIP COMPLETION LETTER

This is to certify that **Ms. Anusha Kawatal**, underwent the Industry Internship from August 2021 to September 2021 at our Cytixon Biosolutions Pvt. Ltd, Hubballi.

She is a bonafide student of Department of Biotechnology, **Basaveshwar Engineering College**, Bagalkot and this internship in partial fulfillment for the award of **Bachelor of Engineering in (Biotechnology)** of the **Basaveshwar Engineering College, Bagalkot** during the year **2020-21**.

It is certified that, she has completed the all the tasks satisfactorily during her internship.

For CYTXON BIOSOLUTIONS PVT. LTD.


Authorized Signatory

Authorized Signatory

Date: 30/09/2021



Stroma Biotechnologies Pvt. Ltd.



#33, Guru Krupa, 6th Cross, 100 Ft Road, Pampa Nagar Opp. Venkateshwara Kalyan Mantapa, Yeshwanthpur, Bengaluru - 22
Mob : 9916132275 E-mail : stromabiotechnologies@gmail.com | Web : www.stromabiotec.com

Certificate

WE PRESENT THIS CERTIFICATE TO

Dr/Mr./Mrs./Miss... KALPANA . S . LAMANIstudent / Faculty of
BASAVESHWAR ENGG. COLLEGE has successfully completed... 36days of Training
internship Project at Stroma Biotechnologies Pvt Ltd. He She has closely worked
ON BASICS OF ANIMAL CELL CULTUREsatisfactorily.
He/She demonstrated good skills with self motivated attitude to learn new things. We wish
him/her all the best for his / her future endeavours.

For Stroma Biotechnologies Pvt. Ltd.

JS
25.09.2021
DIRECTOR

Director

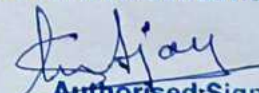
INTERNSHIP COMPLETION LETTER

This is to certify that **Ms. Kruti Nimbaragi**, underwent the Industry Internship from August 2021 to September 2021 at our Cytxon Biosolutions Pvt. Ltd, Hubballi.

She is a bonafide student of Department of Biotechnology, **Basaveshwar Engineering College**, Bagalkot and this internship in partial fulfillment for the award of **Bachelor of Engineering in (Biotechnology)** of the **Basaveshwar Engineering College, Bagalkot** during the year **2020-21**.

It is certified that, she has completed the all the tasks satisfactorily during her internship.

For CYTXON BIOSOLUTIONS PVT. LTD.


Authorized Signatory

Authorized Signatory

Date: 30/09/2021

File No .NCC/R&D/2021-22/INTERNSHIP-009

Date: 16.09.2021

CERTIFICATE

This is to certify that **Ms.Neha Bagawan** (USN : 2BA18BT007) B.E Biotechnology student from Basaveshwar Engineering College, Bagalkot, Karnataka, has successfully completed her internship program on “**Commercial production of Bio-fertilizers**” for 30 days from 16.08.2021 to 16.09.2021 at Natura Crop Care (ISO 9001:2015 certified), Bengaluru. During the period of her internship program with us she was punctual and inquisitive.

We wish her all the best for her future endeavors.



For Natura Crop Care



Authorised Signatory



File No .NCC/R&D/2021-22/INTERNSHIP-009

Date: 16.09.2021

CERTIFICATE

This is to certify that **Mr.Pavanakumar** (USN : 2BA18BT008) B.E Biotechnology student from Basaveshwar Engineering College, Bagalkot, Karnataka, has successfully completed his internship program on “**Commercial production of Bio-fertilizers**” for 30 days from 16.08.2021 to 16.09.2021 at Natura Crop Care (ISO 9001:2015 certified), Bengaluru. During the period of his internship program with us he was punctual and inquisitive.

We wish him all the best for his future endeavors.

For Natura Crop Care





Stroma Biotechnologies Pvt. Ltd.

#33, Guru Krupa, 6th Cross, 100 Ft Road, Pampa Nagar Opp. Venkateshwara Kalyan Mantapa, Yeshwanthpur, Bengaluru - 22

Mob : 9916132275 E-mail : stromabiotechnologies@gmail.com | Web : www.stromabiotec.com



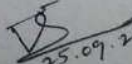
Certificate

WE PRESENT THIS CERTIFICATE TO

Dr/Mr./Mrs./Miss ✓ PAVITRA . IRANNA . KATAGERIstudent / Faculty of
BASAVESHWAR ENGG. COLLEGEhas successfully completed.....36.....days of Training
internship Project at Stroma Biotechnologies Pvt Ltd. He She has closely worked
ON BASICS OF ANIMAL CELL CULTUREsatisfactorily.
He/She demonstrated good skills with self motivated attitude to learn new things. We wish
him/her all the best for his / her future endeavours.

For Stroma Biotechnologies Pvt. Ltd.

Director


25.09.2021
DIRECTOR



Mylan

Mylan Laboratories Limited-Beta Lactam Division
No. 152/6, 154/16, Doresanipalya, Bilekahalli
Bannerghatta Road, Bangalore - 560 076, India.
Tel: +91-80-67397000 Fax: +91-80-67397099.
E-mail : mylan.india@mylan.in Web : www.mylanlabs.in
CIN:U24231TG1984PLC005146

Ref: Mylan/BLD-HR/2021/TR-09
Date: 15th September 2021

CERTIFICATE

This is to certify that Ms. Pratiksha Rudrakshi, B.E student of Basaveshwar Engineering College, Department of Biotechnology (Reg No. 2BA18BT010), Bagalkot has completed her Internship from 16th August 2021 to 15th September 2021 in our organization under the guidance of Mr. Arvind Kumar. S.

During her training she had exposure in Quality Control – Microbiology department.

Her conduct during the tenure at our organization was good.

We wish her all the very best for her future endeavors

**For Mylan Laboratories Limited.,
(Beta Lactam Division)**

**Chidanand Vasanth
Deputy General Manager – HR**



Stroma Biotechnologies Pvt. Ltd.



#33, Guru Krupa, 6th Cross, 100 Ft Road, Pampa Nagar Opp. Venkateshwara Kalyan Mantapa, Yeshwanthpur, Bengaluru - 22
Mob : 9916132275 E-mail : stromabiotechnologies@gmail.com | Web : www.stromabiotech.com

Certificate

WE PRESENT THIS CERTIFICATE TO

Dr/Mr./Mrs./Miss SANA S. IODALAGI.....student / Faculty of
BASAVESHWAR ENGG. COLLEGE.....has successfully completed.....36.....days of Training
internship Project at Stroma Biotechnologies Pvt Ltd. He She has closely worked
ON BASICS OF ANIMAL CELL CULTURE.....satisfactorily.

He/She demonstrated good skills with self motivated attitude to learn new things. We wish
him/her all the best for his / her future endeavours.

For Stroma Biotechnologies Pvt. Ltd.

Director


25.07.2021
DIRECTOR

File No .NCC/R&D/2021-22/INTERNSHIP-009

Date: 16.09.2021

CERTIFICATE

This is to certify that **Ms.Shakti Ishwargouda Patil** (USN : 2BA18BT013) B.E Biotechnology student from Basaveshwar Engineering College, Bagalkot, Karnataka, has successfully completed her internship program on “**Commercial production of Bio-fertilizers**” for 30 days from 16.08.2021 to 16.09.2021 at Natura Crop Care (ISO 9001:2015 certified), Bengaluru. During the period of her internship program with us she was punctual and inquisitive.

We wish her all the best for her future endeavors.



For Natura Crop Care



Authorised Signatory



File No .NCC/R&D/2021-22/INTERNSHIP-009

Date: 16.09.2021

CERTIFICATE

This is to certify that **Mr.Shankaragouda Patil** (USN : 2BA18BT014) B.E Biotechnology student from Basaveshwar Engineering College, Bagalkot, Karnataka, has successfully completed his internship program on “**Commercial production of Bio-fertilizers**” for 30 days from 16.08.2021 to 16.09.2021 at Natura Crop Care (ISO 9001:2015 certified), Bengaluru. During the period of his internship program with us he was punctual and inquisitive.

We wish him all the best for his future endeavors.



For Natura Crop Care



Authorised Signatory



File No .NCC/R&D/2021-22/INTERNSHIP-009

Date: 16.09.2021

CERTIFICATE

This is to certify that **Mr.Shreenidhi S Jahagiradara** (USN : 2BA18BT015) B.E Biotechnology student from Basaveshwar Engineering College, Bagalkot, Karnataka, has successfully completed his internship program on “**Commercial production of Bio-fertilizers**” for 30 days from 16.08.2021 to 16.09.2021 at Natura Crop Care (ISO 9001:2015 certified), Bengaluru. During the period of his internship program with us he was punctual and inquisitive.

We wish him all the best for his future endeavors.



For Natura Crop Care



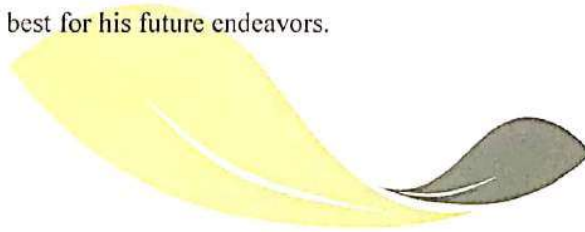
File No .NCC/R&D/2021-22/INTERNSHIP-009

Date: 16.09.2021

CERTIFICATE

This is to certify that **Mr.Shreerang Mutalik** (USN : 2BA18BT016) B.E Biotechnology student from Basaveshwar Engineering College, Bagalkot, Karnataka, has successfully completed his internship program on “**Commercial production of Bio-fertilizers**” for 30 days from 16.08.2021 to 16.09.2021 at Natura Crop Care (ISO 9001:2015 certified), Bengaluru. During the period of his internship program with us he was punctual and inquisitive.

We wish him all the best for his future endeavors.



For Natura Crop Care



DEPARTMENT OF BIOTECHNOLOGY
BASAVESHWARA ENGINEERING COLLEGE (AUTONOMOUS)
BAGALKOT-587102



2020-2021

CERTIFICATE

This is to certify that the Internship work entitled "Commercial production of Biofertilizers" at NATURA CROP CARE Doddaballapura Bangalore is carried out by Mr. Shreeranga Mutalik (2BA18BT016) in partial fulfillment for the award of Bachelor of Engineering in Biotechnology, Basaveshwar Engineering College (Autonomous), Bagalkot, affiliated to Visvesvaraya Technological University (VTU) Belagavi during the year 2020-2021. It is certified that all corrections, suggestions indicated for internal assessment have been incorporated in the report. The Internship report has been approved as it satisfies the academic requirements in respect of Internship work prescribed for the Bachelor of Engineering in Biotechnology.

Internship Incharge

Mr.P Prabu

HOD

Dr Bharati S Meti

Internship Coordinator

Dr.G B Megeri

CYT X ON

Biosolutions Pvt. Ltd.

Tel: +91-0836-2270305

Mob: +91-8431670004

+91-9035623200

E-mail: info@cytxon.com

Website: www.cytxon.com

INTERNSHIP COMPLETION LETTER

This is to certify that **Ms. Shreya Bhat**, underwent the Industry Internship from August 2021 to September 2021 at our Cytxon Biosolutions Pvt. Ltd, Hubballi.

She is a bonafide student of Department of Biotechnology, **Basaveshwar Engineering College**, Bagalkot and this internship in partial fulfillment for the award of **Bachelor of Engineering in (Biotechnology)** of the **Basaveshwar Engineering College, Bagalkot** during the year 2020-21.

It is certified that, she has completed the all the tasks satisfactorily during her internship.

For CYTXON BIOSOLUTIONS PVT. LTD.



Authorized Signatory

Authorized Signatory

Date: 30/09/2021

CYTXON

Biosolutions Pvt. Ltd.

Tel: +91-0836-2270305

Mob: +91-8431670004

+91-9035623200

E-mail: info@cytxon.com

Website: www.cytxon.com

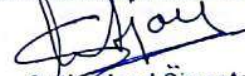
INTERNSHIP COMPLETION LETTER

This is to certify that Ms. **Spoorthi Kulkarni**, underwent the Industry Internship from August 2021 to September 2021 at our Cytxon Biosolutions Pvt. Ltd, Hubballi.

She is a bonafide student of Department of Biotechnology, **Basaveshwar Engineering College**, Bagalkot and this internship in partial fulfillment for the award of **Bachelor of Engineering in (Biotechnology)** of the **Basaveshwar Engineering College, Bagalkot** during the year 2020-21.

It is certified that, she has completed the all the tasks satisfactorily during her internship.

For **CYTXON BIOSOLUTIONS PVT. LTD.**


Authorized Signatory

Authorized Signatory

Date: 30/09/2021

File No .NCC/R&D/2021-22/INTERNSHIP-009

Date: 16.09.2021

CERTIFICATE

This is to certify that **Ms.Varsha Chandrashekar Kachatti** (USN : 2BA18BT019) B.E Biotechnology student from Basaveshwar Engineering College, Bagalkot, Karnataka, has successfully completed her internship program on “**Commercial production of Bio-fertilizers**” for 30 days from 16.08.2021 to 16.09.2021 at Natura Crop Care (ISO 9001:2015 certified), Bengaluru. During the period of her internship program with us she was punctual and inquisitive.

We wish her all the best for her future endeavors.

For Natura Crop Care



Authorised Signatory





Myan Laboratories Limited-Beta Lactam Division
No. 152/6, 154/16, Doresanipalya, Bilekahalli
Bannerghatta Road, Bangalore - 560 076, India
Tel: +91-80-67397000 Fax: +91-80-67397099
E-mail : mylan.india@mylan.in Web : www.mylanlabs.in
CIN:U24231TG1984PLC005146

Ref: Mylan/BLD-HR/2021/TR-10

Date: 15th September 2021

CERTIFICATE

This is to certify that Ms. Yukta S Handral, B.E student of Basaveshwar Engineering College, Department of Biotechnology (Reg No. 2BA18BT020), Bagalkot has completed her Internship from 16th August 2021 to 15th September 2021 in our organization under the guidance of Mr. Arvind Kumar. S.

During her training she had exposure in Quality Control – Microbiology department.

Her conduct during the tenure at our organization was good.

We wish her all the very best for her future endeavors

**For Mylan Laboratories Limited.,
(Beta Lactam Division)**

A handwritten signature in blue ink, appearing to read 'Chidanand Vasanth', with the date '15/09/2021' written below it.

**Chidanand Vasanth
Deputy General Manager – HR**

File No .NCC/R&D/2021-22/INTERNSHIP-009

Date: 16.09.2021

CERTIFICATE

This is to certify that **Mr.Prathamesh Dilip Chopade** (USN : 2BA17BT013) B.E Biotechnology student from Basaveshwar Engineering College, Bagalkot, Karnataka, has successfully completed his internship program on “**Commercial production of Bio-fertilizers**” for 30 days from 16.08.2021 to 16.09.2021 at Natura Crop Care (ISO 9001:2015 certified), Bengaluru. During the period of his internship program with us he was punctual and inquisitive.

We wish him all the best for his future endeavors.



For Natura Crop Care




Authorised Signatory



Basaveshwar Engineering College (A), Bagalkote
Department of Biotechnology
VI Semester Mini Project (UBT609P) 2021-22

SL No	USN	Name	Project Title	Project Guide
1	2BA19BT001	Ashwini N	Herbal Formulations for removing the pesticides on fruits and vegetables	Dr. Sharada P
	2BA19BT005	Megha Beelagi		
2	2BA19BT003	Daneshwari D	Synthesis and optimization of silver nano particles from Aspergillus Spp	Dr. Madhumala Y
	2BA19BT013	Sinchan Y B		
3	2BA19BT002	Chandrakant K	Biodegradable plastic with antimicrobial activity	Dr. Jayachandra Y.
	2BA19BT004	Kiran V M		
	2BA19BT011	Sankalp P		
4	2BA19BT006	Neha N H	Protection of Maize crop from pesticides	Dr. Bharati S Meti
	2BA19BT014	Soumya N		
5	2BA19BT008	Preeti P	Pongamia Pinnata as a promising bio-fertilizer	Dr. Shilpa K J
	2BA19BT012	Shreya B		
6	2BA19BT007	Nisha B	Hydroponics	Prof. Preeti S. K.
	2BA19BT009	Priyanka B. G.		



Head of the Department
 Department of Biotechnology
 Basaveshwar Engineering College
 BAGALKOT - 587 103

Basaveshwar Engineering College (Autonomous), Bagalkot
DEPARTMENT OF BIOTECHNOLOGY

VIII STUDENT PROJECT GROUP 2021-22

S. No	USN	Name of the student	Title	Guide
1	2BA16BT001	Aditi Kulkarni	Tissue culture studies on rose	Dr. Bharati S Meti
	2BA17BT018	Shruti Kshatri		
2	2BA16BT007	Kallayya	Production of beverage of butterfly pea flower	Dr. Madhumala Y
	2BA17CS002	Abhishek Desai		
	2BA17BT013	Prathamesh D Chopade		
3	2BA18BT001	Amruth D Bhat	Serum metabolomic investigation of glioma biology & pathogenic	Dr. Sharada P
4	2BA18BT004	Chaitanya S Kagwade	A Review on pharmaceutical validation and its implications	Dr. Madhumala Y
	2BA18BT008	Pavanakumar		
	2BA18BT019	Varsha C Kachatti		
5	2BA18BT002	Anusha B Kawatal	GCMS based phytochemical profiling invitro anti oxidants wound healing and flow cytometry based anticancer pathway studies of <i>Allophylus cobbe</i>	Prof. Preeti S Kumarmath
	2BA18BT006	Kruti N Nimbragi		
6	2BA18BT005	Kalapana S Lamani	Effluent treatment study in pharmaceutical industry (ZLD plant)	Dr. Jayachandra S Y
	2BA18BT007	Neha A Bagawan		
	2BA18BT012	Sana S Iddalagi		
	2BA18BT014	Shankargouda S Patil		
7	2BA18BT010	Pratiksha P Rudrakshi	Colour optimization of jaggari	Dr. Bharati S Meti
	2BA18BT015	Shreenidhi S J		
	2BA18BT016	Shreerang S Mutalik		
	2BA18BT020	Yukta S Handral		
8	2BA18BT009	Pavitra I Katageri	Spirulina enriched protein bar	Dr. Premjyoti C Patil
	2BA18BT013	Shakti I Patil		
9	2BA18BT017	Shreya S Bhat	Cloning and expression of lipase as biocatalyst for biodiesel production	Dr. Shilpa K Jigajinni
	2BA18BT018	Spoorthi R Kulkarni		

Date: 10-05-2022


HOD
Head of the Department
Department of Biotechnology
Basaveshwar Engineering College
BAGALKOT - 587 103

Basaveshwar Engineering College (Autonomous), Bagalkote
Department of BIOTECHNOLOGY

Industrial Internship (UBT710I) (2021-22)

Staff In charge: Dr. G.B. Megeri

Sl. No.	Name of the Student	USN	Industry/ Institute Name	E-mail
1	AMRUTH DEEPAK BHAT	2BA18BT001	T3 - MGen Pvt Ltd Bangalore	t3mgen@gmail.com
2	ANUSHA B KAWATAL	2BA18BT002	Cytoxn Biosolutions PVT Ltd Hubli	arunshettar9@gmail.com
3	CHAITANYA SANJAY KAGWADE	2BA18BT004	Sudha Alge Bagalkot	ajaypk.mail@gmail.com
4	KALPANA SOMAPPA LAMANI	2BA18BT005	Stroma Biotechnologis,bangalore	veeshnandikolmath@gmail.com
5	KRUTI N NIMBARAGI	2BA18BT006	Cytoxn Biosolutions PVT Ltd Hubli	arunshettar9@gmail.com
6	NEHA ALLABHAKSHA BAGAWAN	2BA18BT007	Natura Crop Bangalore	Natura.manoj@gmail.com
7	PAVANAKUMAR	2BA18BT008	Natura Crop Bangalore	Natura.manoj@gmail.com
8	PAVITRA IRANNA KATAGERI	2BA18BT009	Stroma Biotechnologis,bangalore	veeshnandikolmath@gmail.com
9	PRATI KSHA RUDRAKSHI		Mylan Laboratories Limited	Sunilkumar.P@viatris.com
10	SANA SAYED IDDALAGI	2BA18BT012	Stroma Biotechnologis,bangalore	veeshnandikolmath@gmail.com
11	SHAKTI ISHWARGOUDA PATIL	2BA18BT013	Natura Crop Bangalore	Natura.manoj@gmail.com
12	SHANKARAGOUDA PATIL	2BA18BT014	Natura Crop Bangalore	Natura.manoj@gmail.com
13	SHREENIDHI S JAHAGIRADARA	2BA18BT015	Natura Crop Bangalore	Natura.manoj@gmail.com
14	SHREERANG MUTALIK	2BA18BT016	Natura Crop Bangalore	Natura.manoj@gmail.com
15	SHREYA SATYANARAYAN BHAT	2BA18BT017	Cytoxn Biosolutions PVT Ltd Hubli	arunshettar9@gmail.com
16	SPOORTHIR KULKARNI	2BA18BT018	Cytoxn Biosolutions PVT Ltd Hubli	arunshettar9@gmail.com
17	VARSHA CHANDRASHEKHAR KACHATTI	2BA18BT019	Natura Crop Bangalore	Natura.manoj@gmail.com
18	YUKTA S HANDRAL	2BA18BT020	Mylan Laboratories Limited	Sunilkumar.P@viatris.com


Staff In charge


HOD
Head of the Department
Department of Biotechnology
Basaveshwar Engineering College
BAGALKOT - 587 103



Registration No.:U74900KA2016PTC086685

ವ್ರಿಕ್ಷಾ ವಿಜ್ಞಾನ ಪ್ರೈವೇಟ್ ಲಿಮಿಟೆಡ್

No. 520, Vrindavana, 10th Main, 3rd Cross, BHCS Layout,
Chikkallasandra, Bengaluru-560061. Ph : 080-26394509

Email: drvijay.danapur@gmail.com

mobile: +91 9916893111

CERTIFICATE OF INTERNSHIP

This is to certify that Miss. **Bharati S Malli (2BA17BT004)**, student of Basaveshwar Engineering College (A), Bagalkot, studying in the course of B.E in Biotechnology has successfully completed online internship from **1 st July 2020 to 31 st August 2020**. During the internship she experienced the various activities as a part of our research unit. We found her extremely inquisitive and hard working. Her association with us was very truthful and we wish all the best in future endeavours.

Best Regards

For Vriksha Vijnan Private Limited

Director

Dr. Vijay Danapur

Director & CEO

Vriksha Vijnan Private Limited

Bengaluru

+91 9916893111



DEPARTMENT OF BIOTECHNOLOGY
BASAVESHWAR ENGINEERING COLLEGE (A)
BAGALKOTE-587102 (KARNATAKA)

CERTIFICATE

This is to certify that the project entitled, "ENHANCEMENT OF MEMORY THROUGH VALUE ADDED PRODUCT" is carried out by Ms. Nikhita H Ingalagi bearing USN: 2BA17BT012 and Ms. Sushma S B bearing USN: 2BA17BT019, in partial fulfillment for the award of Bachelor of Engineering in Biotechnology, Basaveshwar Engineering College(A), Bagalkote, affiliated to Visvesvaraya Technological University, Belagavi during the academic year 2020-2021. It is certified that all corrections, suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Engineering in Biotechnology.

Guide & HOD
Dr. Bharati S Meti

Industrial Guide
Dr. Vijay D

Project Coordinator
Dr. Premjyoti C Patil

Principal
Dr. S S Injaganeri

Examiners

1. Dr. B.R. Hiremath
2. Dr P C Patil
3. Dr. Bharati S. Meti

Sign with Date



Skill India
कौशल भारत - कुशल भारत



सत्यमेव जयते
GOVERNMENT OF INDIA
MINISTRY OF SKILL DEVELOPMENT
& ENTREPRENEURSHIP



Transforming the skill landscape
www.nsdcindia.org

Certificate

This is to certify that

Mr. Sachin S/O Saidappa
has successfully cleared the assessment for the role of
Research Associate- Product Development/ Synthesis/ Medicinal Chemistry (QP No. - LFS/Q0505)
conforming to National Skill Qualifications Framework Level-5



Issued by... Dr. S. S. Injaganeri, Principal
Institution Name... Basaveshwar Engg College, Bagalkot
Signature.....

Satish Reddy
Chairman
Life Sciences Sector Skill Development Council

Date of Issuance null
System Identification Number
187675432186442607



(253)89070467052220000010341
www.nsdcindia.org/pbsecure

K-tech



Basaveshwar Engineering College (Autonomous), Bagalkote
Department of Biotechnology

CERTIFICATE

This is to certify that Miss. **Rashmi Karani** has successfully completed the Job-Oriented Short Term online certificate course in Biotechnology in the specialization of Nutraceuticals and Food processing held during 5th January to 25th March, 2021 organized by Department of Biotechnology, Basaveshwar Engineering College (A), Bagalkote, Karnataka, India

A handwritten signature in blue ink, appearing to read "G. B. Megeri".

Dr. G. B. Megeri

Assoc. Prof. & Coordinator, (BiSEP)

A handwritten signature in blue ink, appearing to read "Bharati S. Meti".

Dr. Bharati S. Meti

Professor & Head

A handwritten signature in green ink, appearing to read "S. S. Injaganeri".

Dr. S. S. Injaganeri

Principal

CERTIFICATE OF TRAINING


awarded to

MR. KIRAN RAMESH SHEELAVANT

for having successfully completed a workshop on

**FERMENTOR PRINCIPLES & DESIGN AND
CYTOTOXICITY - MTT ASSAY**

conducted at our facility from 24th Nov 2017 to 25th Nov 2017


Julie Mathew
Course Instructor


M. Karthikeyan
Manager Quality





KSBDB Sponsored



**BIOENERGY RESEARCH, INFORMATION AND DEMONSTRATION CENTRE
BASAVESHWAR ENGINEERING COLLEGE, BAGALKOT**







ಜ್ಞಾನ ಕ್ಷೇತ್ರ ಅಭಿವೃದ್ಧಿ ಸಂಶೋಧನೆ ಮತ್ತು ಪ್ರದರ್ಶನ ಕೇಂದ್ರ
 ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ವಿಭಾಗ
 ಬಸವೇಶ್ವರ ರಾಂಪ್ರಕ-ಮಹಾವಿದ್ಯಾಲಯ, ಬಾಗಲಕೋಟೆ-587102
 ಸ್ಥಾಪಿಸಿದವರು: ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಮತ್ತು ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ



District Bioenergy Research Information & Demonstration Centre
 Department of Biotechnology
 Basaveshwar Engineering College Bagalkot-587102
 Sponsored by: Karnataka State Bioenergy Development Board, Bangalore





Visvesvaraya Technological University

"Jnana Sangama", Belagavi - 590 018, Karnataka state.

Dr. K. E. Prakash, B.E., M.E., Ph.D.
Registrar

Phone: (0831) 2405468
Fax : (0831) 2405467

Ref.: VTU/Aca/2015-2016/A7/BT

10719

Date:

17 MAR 2016

(REVISED)

OFFICE ORDER

Sub : Registration of Ph.D./M.Sc.(Engg.) by Research from June 2015
Ref : Your application for the Ph.D. /M.Sc.(Engg.) by Research.

By the recommendations of the Admission Committee, you are hereby provisionally permitted to register for pursuing research work with the following details:

1. Name : Pavan Kumar
2. Programme : Ph.D.
3. Full time /Part time : Full Time
4. Research Centre : Bio-Technology
5. College/Institute : BEC, Bagalkot
6. Supervisor : Dr. Bharati S Meti
7. Co-Supervisor : Dr. Manjunath G
8. Research Topic : "Bio-Formulations for Enhanced Resistance Against Bacterial Blight of Pomegranate"
9. Approved Course work

Sl.No.	Group	Course work
1.	14PHDRM	Research Methodology
2.	14PHDBT001	Plant, Animal and Microbial Biotechnology
3.	14PHDBT002	Food and Pharmaceutical Biotechnology
4.	14PHDBT003	Environmental Biotechnology & Renewable Energy Systems
5.	14PHDBT004	Research Methodology, Biosafety and IPR
6.	14PHDBT005	Molecular Biology and Bioinformatics

Note: This Provisional Registration is subject to fulfilling the conditions specified in the Clause PHD14.9 of the Regulations (Amended) Governing the Degree of Doctor of Philosophy (Ph.D. 2014)



Registrar

To,

The candidate

- Copy to, 1. The Research Centre /VTURRC
2. The Supervisor/Co-Supervisor



6

Differential gene responses in different varieties of pomegranate during the pathogenesis of *Xanthomonas axonopodis* pv. *punicae*

Pavan Kumar¹ · Mahesh S. Dashyal² · Pushpa Doddaraju² · Bharati S. Meti¹ · Manjunath Girigowda²✉

Received: 16 October 2020 / Accepted: 5 March 2021 / Published online: 20 March 2021
© King Abdulaziz City for Science and Technology 2021

Abstract

Bacterial blight (BB) caused by *Xanthomonas axonopodis* pv. *punicae* (*Xap*) is the major scourge in pomegranate cultivation leading to an extensive yield loss up to 60–80%. Hence, identifying a novel resistance source for BB is very necessary for developing a suitable management strategy. Host range analysis and cross-inoculation studies revealed that *Xap* is specific to pomegranate and there are no alternative hosts to the pathogen. Screening of 149 accessions recorded the varied disease resistance levels with mean disease severity of 30.67%. Accession lines IC318735, IC318724, and IC318762 exhibited maximum disease tolerance by exhibiting the lowest disease severity of 4.91, 5.66, and 6.82%, respectively. Comparative expression analysis of defence genes in IC318724 and IC318735 recorded significant upregulation of phenylalanine ammonia-lyase (PAL), callose synthase-3 (CS3), chitinase, pathogenesis-related protein-1 (PR1), and pathogenesis-related protein-10 (PR10), indicating these genes might be actively involved in conferring disease tolerance. Abiotic elicitors were tested to induce systemic resistance in agronomically superior and widely adapted variety Bhagwa for managing BB of pomegranate. Among the various elicitors tested; proline (600 ppm), gamma-aminobutyric acid (600 ppm), chitosan (600 ppm), β-aminobutyric acid (200 ppm), laminarin (600 ppm), and eugenol (200 ppm) recorded maximum disease protection in prophylactic treatment with disease protection of 89.59, 88.59, 87.15, 86.08, 81.05, and 78.72%, respectively. Similar observations were recorded when these were applied as curative treatment. The present study will broaden our understanding of host–pathogen interactions during BB infection in pomegranate, also aid in developing ideal approach for developing effective disease management.

Keywords *Punica granatum* · Germplasm · Biotic stress · Gene expression · Disease tolerance · Induced systemic resistance · Inducer

Introduction

Pomegranate (*Punica granatum* L.) is an ancient fruit crop, has gained worldwide popularity due to its high nutraceutical and medicinal value. Pomegranates are rich in antioxidants, antibacterial, antifungal properties, and hence touted as a “superfood” (Johanningsmeier and Harris 2011). Cultivation of pomegranate is attracting more farmers due to its hardy nature, wide acclimatization to varied soil and climatic condition, and tolerance to salt and drought stress. Consistent demand in the national and international markets

also widened the scope for earning higher remunerative value by pomegranate cultivation. In recent years, total crop production is severely compromised due to bacterial blight (BB) infection caused by *Xanthomonas axonopodis* pv. *punicae* (*Xap*) (Sharma et al. 2015). Benagi and Kumar (2009) recorded the high yield loss from 1.8 lakh tonnes to less than 10,000 tonnes per annum in 2007–2008 accounting for revenue loss of about Rs. 200 crores in India. BB disease was a minor threat in the beginning when it was first reported, but now it has become an epidemic infecting all the major areas of pomegranate cultivation and hampering production in India (Sharma et al. 2015). The disease is also reported in Turkey, Pakistan, and South Africa (Icoz et al. 2014; Akhtar and Bhatti 1992; Petersen et al. 2010) and slowly spreading across the world, making an international issue of pomegranate (Fig. S1).

The infection of BB can be seen on leaves, twigs, and fruits. Typical symptoms include oily water-soaked lesions

✉ Manjunath Girigowda
gmanjunath2007@gmail.com

¹ Basaveshwar Engineering College (Autonomous), Bagalkot, Karnataka 587103, India

² Biocontrol Laboratory, University of Horticultural Sciences, Bagalkot 587104, India



Plot No. 71&80, Agro Tech Park, Navanagar
BAGALKOT - 587 102, Karnataka
E-mail : rgkasat@gmail.com www.rgkasat.com

01st Sept 2020

Private and Confidential

Nivedita Savalagi
D/o. Chandrashekhar
C/o. Adarsh High School
Navanagar
Bagalkot 587103 (Kar)
Cell :9448646431
Aadhar No.: 9756 9383 2259

LETTER OF APPOINTMENT- Reserch trainee (Probation Period)

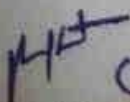
We are glad to offer you the position of Reserch trainee (Probation Period), effective on a date of 01st Sept. 2020. This contract is subject to your acceptance, in writing of the following Terms and Conditions of Employment, two (2) copies of which are attached for your attention.

Please indicate your acceptance of these Terms & Conditions of Employment by signing in the space provided and returning one (1) copy to us immediately. The other copy you should retain for personal record.

We would like to take this opportunity to welcome you to the Company and I hope that you find the work both challenging and rewarding.

Regards

For. R. G. KASAT INDUSTRIES PVT. LTD.


(Pavan. Kasat)

Authorized Signatory



Guest talk by Mr. Girish Kasat, R G Kasat Industries Bagakote

You're running low on storage space. Try [freeing up space](#) or [purchase additional storage](#).

Gmail Search: director@biinnovationcentre.com

3 of 20

Bharati Meti <bharatimeti@gmail.com> to sso, ...
Jul 4, 2022, 4:20 PM

Dr. Jitendra Kumar to me, Senior
Jul 5, 2022, 11:06 AM

Dear Prof Bharati Maib

We accept your proposal of collaborative work and it is hereby approved. Dr. Veeranna will be the external guide. Please note that while we can provide instruments usage free of charge, we are not in the position to provide consumables as there is funding cut from the Department. Please provide the list of consumables and estimates, anyways.

Also please separately write a letter to me for accommodation with exact dates and single/double occupancy requirements, so that I can forward your request to CHG guest house.

I hope this is fine. Look forward to working together.

Regards

Dr. Jitendra Kumar, Managing Director
Bangalore Bioinnovation Centre (BBC)
(A Govt. of Karnataka Undertaking)
Bangalore Helix Biotech Park
(Supported by DET, Govt of India)
Electronic City, Phase I
Bangalore 560100
Mobile: +91 9606695956

Bharati Meti <bharatimeti@gmail.com> to Shreya, spoo@thinkkarni333
Jul 5, 2022, 12:40 PM

----- Forwarded message -----
From: Dr. Jitendra Kumar <director@biinnovationcentre.com>
Date: Tue, Jul 5, 2022 at 11:06 AM



File No .NCC/R&D/2021-22/INTERNSHIP-009

Date: 16.09.2021

CERTIFICATE

This is to certify that **Ms.Neha Bagawan** (USN : 2BA18BT007) B.E Biotechnology student from Basaveshwar Engineering College, Bagalkot, Karnataka, has successfully completed her internship program on “**Commercial production of Bio-fertilizers**” for 30 days from 16.08.2021 to 16.09.2021 at Natura Crop Care (ISO 9001:2015 certified), Bengaluru. During the period of her internship program with us she was punctual and inquisitive.

We wish her all the best for her future endeavors.



For Natura Crop Care



Authorised Signatory





ASPARTIKA BIOTECH PRIVATE LIMITED

Date: 26th July, 2018

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Kiran R Sheelavant student of BE in Biotechnology from Basaveshwar Engineering College have successfully completed 46 days(11th June, 2018 -26th July, 2018) long internship programme in this company. His performance was appreciable during the period of his internship programme.

We wish him success in all his future endeavors.



Authorized Signatory

Recieved
KRS

CIN: U24232KA2015PTC079484

R & D UNIT:
TECHNOLOGY INCUBATION CENTRE, SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY CAMPUS,
HUNASAMARANAHALLI, INTERNATIONAL AIRPORT ROAD, BANGALORE-562 157
PH: 080-28467735

www.aspartika.com
Email: aspartika.india@gmail.com
info@aspartika.com



Dr. Shrinivasan V B Aspartica Biotech Pvt. Ltd. Bengaluru
visit to dept of Biotechnology BEC, Bagalkote





Certificate of Participation

Grade | ≥ 80 : A+ | ≥ 60 : A | < 60 : B

This is to certify that

Prof. Smita. K. Gour of

Basaveshwar Engineering College(Autonomous), Bagalkot

has participated in the **Faculty Enablement Program on “Python Programming through INFYTQ Platform”** conducted in **virtual mode through webinar** from **6th to 13th July 2020** by **Infosys Limited** and has been awarded with **"A+"** Grade.

Handwritten signature of Thirumala Arohi.

Thirumala Arohi

Vice President & Head - Education, Training & Assessment,
Infosys Limited

Handwritten signature of Sundar KS.

Sundar KS

Associate Vice President, & Head – Campus Connect,
Education, Training & Assessment, Infosys Limited



COURSE COMPLETION CERTIFICATE

The certificate is awarded to

Jayashree Mulimani

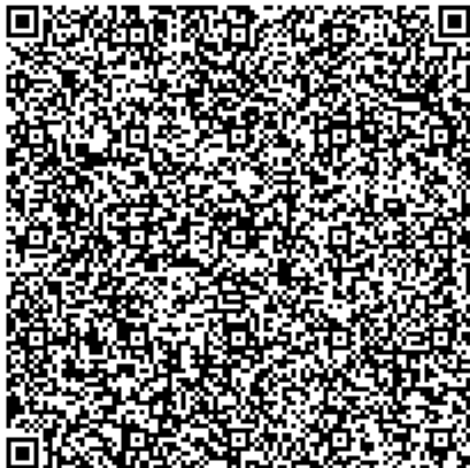
for successfully completing the course

Introduction to Python

on Thursday, June 16th 2022



Congratulations! You make us proud!



Issued on: Thursday, June 16th 2022
This certificate can be verified by scanning the QR code at <https://verify.onwingspan.com>

Thirumala Arohi
Senior Vice President and Head
Education, Training and Assessment (ETA)
Infosys Limited



COURSE COMPLETION CERTIFICATE

The certificate is awarded to

Jayashree Mulimani

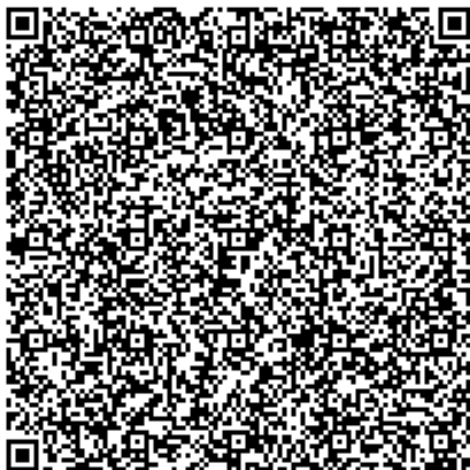
for successfully completing the course

Programming Fundamentals using Python - Part 1

on Sunday, June 12th 2022



Congratulations! You make us proud!



Thirumala Arohi
Senior Vice President and Head
Education, Training and Assessment (ETA)
Infosys Limited

Issued on: Sunday, June 12th 2022
This certificate can be verified by scanning the QR code at <https://verify.onwingspan.com>



COURSE COMPLETION CERTIFICATE

The certificate is awarded to

Jayashree Mulimani

for successfully completing the course

Programming Fundamentals using Python - Part 2

on Thursday, June 16th 2022



Congratulations! You make us proud!



Thirumala Arohi
Senior Vice President and Head
Education, Training and Assessment (ETA)
Infosys Limited

Issued on: Thursday, June 16th 2022
This certificate can be verified by scanning the QR code at <https://verify.onwingspan.com>



COURSE COMPLETION CERTIFICATE

The certificate is awarded to

PRASHANT MADHAVANAVAR

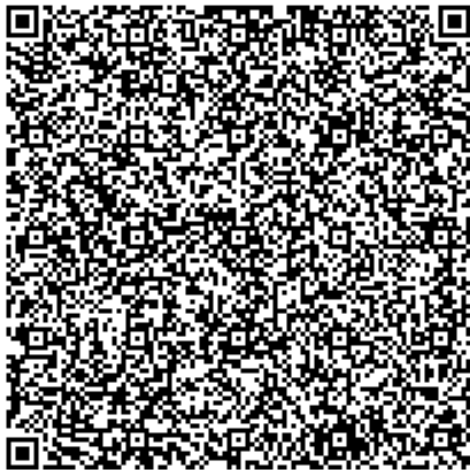
for successfully completing the course

HTML5 - The Language

on Saturday, July 2nd 2022



Congratulations! You make us proud!



Thirumala Arohi
Senior Vice President and Head
Education, Training and Assessment (ETA)
Infosys Limited

Issued on: Saturday, July 16th 2022
This certificate can be verified by scanning the QR code at <https://verify.onwingspan.com>



COURSE COMPLETION CERTIFICATE

The certificate is awarded to

PRASHANT MADHAVANAVAR

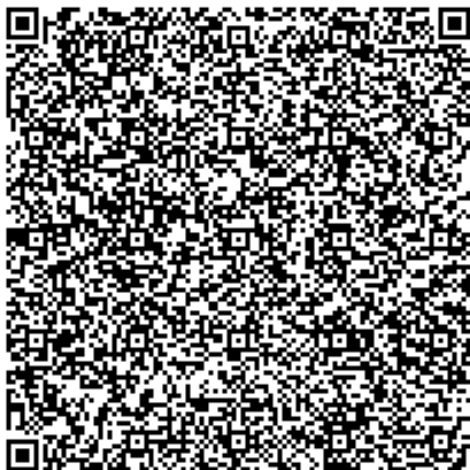
for successfully completing the course

Cascading Style Sheets - CSS3

on Friday, July 15th 2022



Congratulations! You make us proud!



Thirumala Arohi
Senior Vice President and Head
Education, Training and Assessment (ETA)
Infosys Limited


CERTIFICATE OF PARTICIPATION

presented to

Prof. Basavaraj Malapur
Basaveshwar Engineering College(Autonomous),
Bagalkot

for publishing their institution's microsite during the Train the Trainer program on
Creating Microsites on Infosys Springboard conducted by Infosys Limited on
August 17 and 18, 2021.

Congratulations! You make us proud!



Thirumala Arohi
Senior Vice President and Head
Education, Training & Assessment (ETA)
Infosys Limited


CERTIFICATE OF PARTICIPATION

presented to

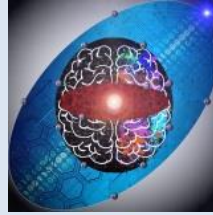
Prof. Savita S Hanji
Basaveshwar Engineering College(Autonomous),
Bagalkot

for publishing their institution's microsite during the Train the Trainer program on
Creating Microsites on Infosys Springboard conducted by Infosys Limited on
August 17 and 18, 2021.

Congratulations! You make us proud!



Thirumala Arohi
Senior Vice President and Head
Education, Training & Assessment (ETA)
Infosys Limited



Certificate of Internship

This is to certify that **ABDULRAZAK PATEL** was engaged in an internship from home in
“**Electronic Paper Display**” project during the tenure between
01-Jan-2021 to 30-Sep-2021.

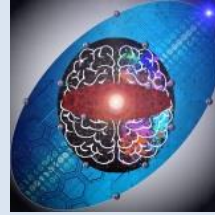
His performance during the training period was **GOOD**.

Awarded on Monday, the 25th of October 2021

Authorized Signatory (*),

For, **SiANOM Technologies Private Limited.**

**This is a computer generated letter, not requiring signature.*



Certificate of Internship

This is to certify that **Amogh Gudi** was engaged in a 8 week full time (8hrs/day) internship in online mode in “Automotive Machine Vision” project which deploys Object Detection ANN Models, **YOLOv5** and **RetinaNet**, during the tenure between

01-Jan-2021 to 30-Sep-2021.

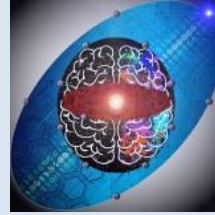
His performance during the training period was **EXCELLENT**.

Awarded on Monday, 18th of October 2021

Authorized Signatory (*),

For, **SiANOM Technologies Private Limited**.

**This is a computer generated letter, not requiring signature.*



Certificate of Internship

This is to certify that **ANVESH HIREMATH** was engaged in an internship from home in
“**Electronic Paper Display**” project during the tenure between
01-Jan-2021 to 30-Sep-2021.

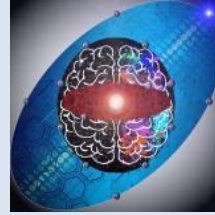
His performance during the training period was **GOOD**.

Awarded on Monday, the 25th of October 2021

Authorized Signatory (*),

For, **SiANOM Technologies Private Limited.**

**This is a computer generated letter, not requiring signature.*



Certificate of Internship

This is to certify that **HARSHITA PATIL** was engaged in an internship from home in
“**Electronic Paper Display**” project during the tenure between
01-Jan-2021 to 30-Sep-2021.

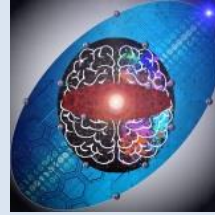
Her performance during the training period was **GOOD**.

Awarded on Monday, the 25th of October 2021

Authorized Signatory (*),

For, **SiANOM Technologies Private Limited.**

**This is a computer generated letter, not requiring signature.*



Certificate of Internship

This is to certify that **MAHESHWARI S. AMATYA** was engaged in an internship from home in “**Active Noise Cancellation**”, CNN Model development Project, during the tenure between 06-Jul-2021 to 30-Sep-2021.

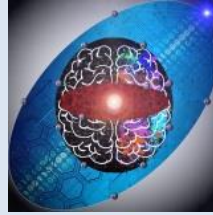
Her performance during the training period was GOOD.

Awarded on Monday, the 25th October 2021

Authorized Signatory (*),

For, **SiANOM Technologies Private Limited.**

**This is a computer generated letter, not requiring signature.*



Certificate of Internship

This is to certify that **MANJUNATH N KOTIN** was engaged in a 8 week full time internship from home in “**Smart Charging Access Network**” project during the tenure between 01-Jan-2021 to 30-Sep-2021.

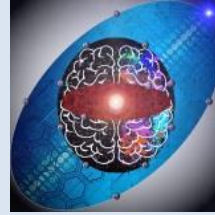
His performance during the training period was **GOOD**.

Awarded on Monday, 25th of October 2021

Authorized Signatory (*),

For, **SiANOM Technologies Private Limited.**

**This is a computer generated letter, not requiring signature.*



Certificate of Internship

This is to certify that **PRALHAD A DESHPANDE** was engaged in a 8 week full time internship from home in “**Smart Charging Access Network**” project during the tenure between 01-Jan-2021 to 30-Sep-2021.

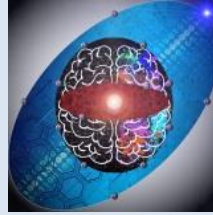
His performance during the training period was **GOOD**.

Awarded on Monday, 25th of October 2021

Authorized Signatory (*),

For, **SiANOM Technologies Private Limited.**

**This is a computer generated letter, not requiring signature.*



Certificate of Internship

This is to certify that **V K RAGHAVENDRA** was engaged in a 8 week full time internship from home in
“**Smart Charging Access Network**” project during the tenure between
01-Jan-2021 to 30-Sep-2021.

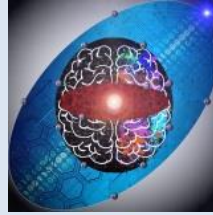
His performance during the training period was **GOOD**.

Awarded on Monday, 25th of October 2021

Authorized Signatory (*),

For, **SiANOM Technologies Private Limited.**

**This is a computer generated letter, not requiring signature.*



Certificate of Internship

This is to certify that **RAKSHITA VEERESH TENGINAKAI** was engaged in an internship from home in
“**Electronic Paper Display**” project during the tenure between
01-Jan-2021 to 30-Sep-2021.

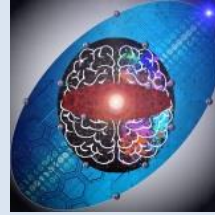
Her performance during the training period was **GOOD**.

Awarded on Monday, the 25th of October 2021

Authorized Signatory (*),

For, **SiANOM Technologies Private Limited.**

**This is a computer generated letter, not requiring signature.*



Certificate of Internship

This is to certify that **SANKET S WALI** was engaged in an internship from home in “**Active Noise Cancellation**”, CNN Model development Project, during the tenure between 06-Jul-2021 to 30-Sep-2021.

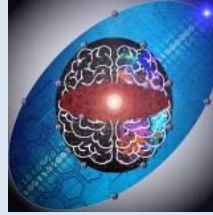
His performance during the training period was GOOD.

Awarded on Monday, the 25th October 2021

Authorized Signatory (*),

For, **SiANOM Technologies Private Limited.**

**This is a computer generated letter, not requiring signature.*



Certificate of Internship

This is to certify that **SHEETAL SANJEEVKUMAR MANVI** was engaged in an internship from home in
“**Electronic Paper Display**” project during the tenure between
01-Jan-2021 to 30-Sep-2021.

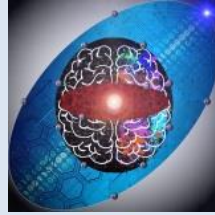
Her performance during the training period was **GOOD**.

Awarded on Monday, the 25th of October 2021

Authorized Signatory (*),

For, **SiANOM Technologies Private Limited.**

**This is a computer generated letter, not requiring signature.*



Certificate of Internship

This is to certify that **SHRIDHAR KUMBAR** was engaged in a 8 week full time internship from home in “**Smart Charging Access Network**” project during the tenure between 01-Jan-2021 to 30-Sep-2021.

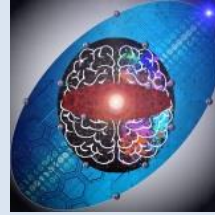
His performance during the training period was **GOOD**.

Awarded on Monday, 25th of October 2021

Authorized Signatory (*),

For, **SiANOM Technologies Private Limited.**

**This is a computer generated letter, not requiring signature.*



Certificate of Internship

This is to certify that **Upendr Joshi** was engaged in a 8 week full time (8hrs/day) internship in online mode in “Automotive Machine Vision” project which deploys Object Detection ANN Models, **YOLOv5** and **RetinaNet**, during the tenure between

01-Jan-2021 to 30-Sep-2021.

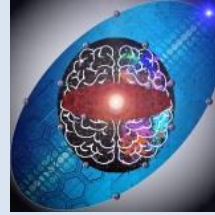
His performance during the training period was **EXCELLENT**.

Awarded on Monday, 18th of October 2021

Authorized Signatory (*),

For, **SiANOM Technologies Private Limited**.

**This is a computer generated letter, not requiring signature.*



Certificate of Internship

This is to certify that **Vasudev Hanamant Dambal** was engaged in a 8 week full time (8hrs/day) internship in online mode in "Automotive Machine Vision" project which deploys Object Detection ANN Models, **YOLOv5** and **RetinaNet**, during the tenure between 01-Jan-2021 to 30-Sep-2021.

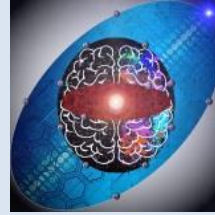
His performance during the training period was **EXCELLENT**.

Awarded on Monday, 18th of October 2021

Authorized Signatory (*),

For, **SiANOM Technologies Private Limited**.

**This is a computer generated letter, not requiring signature.*



Certificate of Internship

This is to certify that **Venugopal** was engaged in a 8 week full time (8hrs/day) internship in online mode in “Automotive Machine Vision” project which deploys Object Detection ANN Models, **YOLOv5** and **RetinaNet**, during the tenure between 01-Jan-2021 to 30-Sep-2021.

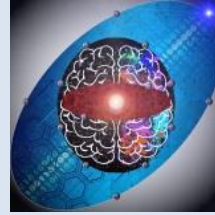
His performance during the training period was **EXCELLENT**.

Awarded on Monday, 18th of October 2021

Authorized Signatory (*),

For, **SiANOM Technologies Private Limited**.

**This is a computer generated letter, not requiring signature.*



Certificate of Internship

This is to certify that **Yogesh Jagadish Mahale** was engaged in a 8 week full time (8hrs/day) internship in online mode in "Automotive Machine Vision" project which deploys Object Detection ANN Models, **YOLOv5** and **RetinaNet**, during the tenure between 01-Jan-2021 to 30-Sep-2021.

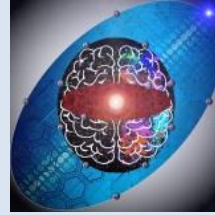
His performance during the training period was **EXCELLENT**.

Awarded on Monday, 18th of October 2021

Authorized Signatory (*),

For, **SiANOM Technologies Private Limited.**

**This is a computer generated letter, not requiring signature.*



Certificate of Internship

This is to certify that **SWATI PATROTI** was engaged in an internship from home in “**Electronic Paper Display**” project during the tenure between 01-Jan-2021 to 30-May-2021.

Her performance during the training period was **GOOD**.

Awarded on Monday, the 25th of October 2021

Authorized Signatory (*),

For, **SiANOM Technologies Private Limited.**

**This is a computer generated letter, not requiring signature.*



Date:02/12/2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Deepa M Balulad, served as Digital Marketing Intern at Mindvision Technologies LLP from September 1st 2021 to December 1st 2021.

She has worked on a various projects assigned by the company. She has carried out the various activities including SEO, SEM, Social Media Management very efficiently.

During her employment period, she has demonstrated her skills with self-motivation to learn new skills. Her performance exceeded our expectations, and she was able to complete the project on time.

Wish you all the best for your upcoming career.



Bhargav
Gumaste
Founder & CEO
Mindvision Technologies LLP





Internship Completion Letter

Date :

We Here By Certify that **M/s. Deepika Y Bandivaddar** From Basaveshwar Engineering College has successfully Completed 1 Month Internship With **Prepare Edutech** from **02-09-2021 to 21-10-2021** as a Business Development Intern.

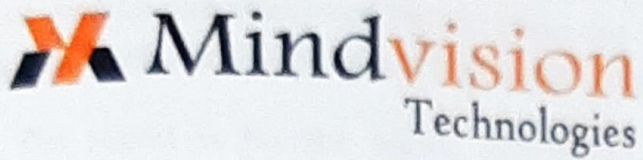
We found his/her contribution worthwhile and the candidate is trainable and can be a performer on right inputs.

We wish him/her all the best for future endeavours.

Prepare Edutech Pvt Ltd

Authorized Signatory

CEO, Prepare Edutech Pvt Ltd



+91- 6362961210



info@mvitech.in



Navanagar, Bagalkot,
Karnataka - 587103



Date:23/10/2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms.GirijaLutimath completed her Digital Marketing Internship at Mindvision Technologies from 22nd September 2021 to 22nd October 2021.

She has worked on a various projects assigned by the company. Every project was aimed to get the quality and qualified leads for the various business through website and other channels. Internship was completely based on SEO, SEM, SMM, Client Management and other skills.

During her internship, she has demonstrated her skills with self-motivation to learn new skills. Her performance exceeded our expectations and she was able to complete the project on time.

We wish her all the best for her upcoming career.

A handwritten signature in blue ink, appearing to read 'Bhargav Gumaste'.

Bhargav Gumaste
Founder & CEO
Mindvision Technologies LLP





Date:02/12/2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. **KAVITA V HASABI**, served as Digital Marketing Intern at Mindvision Technologies LLP from September 1st 2021 to December 1st 2021.

She has worked on a various projects assigned by the company. She has carried out the various tasks like SEO, SEM, Social Media Management very efficiently.

During her employment period, she has demonstrated her skills with self-motivation to learn new skills. Her performance exceeded our expectations, and she was able to complete the project on time.

We wish him all the best for her upcoming career.



Bhargav Gumaste
Founder & CEO
Mindvision Technologies LLP





Internship Completion Letter

Date :

We Here By Certify that **Mr. LADLEMASHAK K KUNTOJI** From Basaveshwar Engineering College has successfully Completed 1 Month Internship With **Prepare Edutech** from **01-09-2021** to **21-10-2021** as a Business Development Intern.

We found his/her contribution worthwhile and the candidate is trainable and can be a performer on right inputs.

We wish him/her all the best for future endeavours.

Prepare Edutech Pvt Ltd

Authorized Signatory



CEO, Prepare Edutech Pvt Ltd



Internship Completion Letter

Date :

We Here By Certify that **M/s. Shilpa Badiger** From Basaveshwar Engineering College has successfully Completed 1 Month Internship With **Prepare Edutech** from **02-09-2021 to 21-10-2021** as a Business Development Intern.

We found his/her contribution worthwhile and the candidate is trainable and can be a performer on right inputs.

We wish him/her all the best for future endeavours.

Prepare Edutech Pvt Ltd

Authorized Signatory

A handwritten signature in blue ink, appearing to be 'L. J. J. P.', written over a horizontal line.

CEO, Prepare Edutech Pvt Ltd