**汕尾职业技术学院采购**

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采购项目名称：汕尾职业技术学院采购2021-2022学年第一学期实训耗材

【采购项目编号: SWZYCG2021-18】

汕尾职业技术学院

2021年7月

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**第一部分 报价邀请函**

各供应商:

汕尾职业技术学院后勤管理处，就“汕尾职业技术学院采购2021-2022学年第一学期实训耗材”项目进行竞争性磋商采购，欢迎符合资格条件的供应商参加。

一、采购项目编号： SWZYCG2021-18。

二、采购项目名称：汕尾职业技术学院采购2021-2022学年第一学期实训耗材。

三、采购预算：￥187443.00元，总报价超过预算金额的为无效谈判。

四、供应商资格：

1、具有独立承担民事责任能力的在中华人民共和国境内注册的法人或其他组织或自然人（具备相关的经营范围）；

2、具有良好的商业信誉和健全的[财务会计制度](http://www.so.com/s?q=%E8%B4%A2%E5%8A%A1%E4%BC%9A%E8%AE%A1%E5%88%B6%E5%BA%A6&ie=utf-8&src=internal_wenda_recommend_textn" \t "_blank)（须提供财务状况报告）；

3、具有履行合同所必需的设备和专业技术能力（须提供书面声明）；

4、有依法缴纳税收和[社会保障资金](http://www.so.com/s?q=%E7%A4%BE%E4%BC%9A%E4%BF%9D%E9%9A%9C%E8%B5%84%E9%87%91&ie=utf-8&src=internal_wenda_recommend_textn" \t "_blank)的良好记录（须提供已发缴纳税收和社会保障资金的相关材料）；

5参加政府采购活动前三年内，在经营活动中没有重大违法记录（须提供书面声明）；

6、法律、行政法规规定的其他条件（须提供书面声明）；

7、本项目不接受联合体投标。

五、符合资格的供应商应当在2021年7月20日上午9 时00 分起至2021年7月26日下午5时30分止将以下资料+联系方式扫描PDF格式发送至邮箱:swzycgb@163.com报名，邮箱有收到我校采购人员回复“报名成功”的为有效报名，否则，报名不成功，为无效报名。

1、《企业营业执照》、《税务登记证》、《组织机构代码证》正本复印件（加盖公章），如三证合一，请提供《企业营业执照》正本复印件（加盖公章）；

2、法人代表身份证复印件（加盖公章），如有委托，法人代表身份证复印件（加盖公章），法定代表人授权委托书（加盖公章），被委托人身份证复印件（加盖公章）。

六、响应文件递交受理时间：2021年7月30日下午2 时00分。

七、响应文件递交地点：汕尾职业技术学院实训楼102评标室。

八、响应文件递交截止时间：2021年7月30日下午 2 时30分至止，逾期将不予受理。

九、谈判（磋商）时间：2021年7月30日下午 2 时30分

十、联系方式：

联系人：邱老师 13729572456 黄老师 13066348386 电话：0660-3376648

地址：广东省汕尾市城区文德路

汕尾职业技术学院后勤管理处

2021年7月19日

**第二部分 采购项目内容**

1. **谈判供应商资格要求**
2. 具有独立承担民事责任能力的在中华人民共和国境内注册的法人或其他组织或自然人（具备相关的经营范围）；
3. 具有良好的商业信誉和健全的[财务会计制度](http://www.so.com/s?q=%E8%B4%A2%E5%8A%A1%E4%BC%9A%E8%AE%A1%E5%88%B6%E5%BA%A6&ie=utf-8&src=internal_wenda_recommend_textn" \t "_blank)（须提供财务状况报告）；

3、具有履行合同所必需的设备和专业技术能力（须提供书面声明）；

4、有依法缴纳税收和[社会保障资金](http://www.so.com/s?q=%E7%A4%BE%E4%BC%9A%E4%BF%9D%E9%9A%9C%E8%B5%84%E9%87%91&ie=utf-8&src=internal_wenda_recommend_textn" \t "_blank)的良好记录（须提供已发缴纳税收和社会保障资金的相关材料）；

5、参加政府采购活动前三年内，在经营活动中没有重大违法记录（须提供书面声明）；

6、法律、行政法规规定的其他条件（须提供书面声明）；

7、本项目不接受联合体投标。

**二、采购需求**

货物详细参数及报价清单详见附件1、2。

**三、设备要求**

1、货物为原制造商制造的全新产品，无污染，无侵权行为、表面无划损、无任何缺陷隐患，在中国境内可依常规安全合法使用。

2、交付验收标准依次序对照适用标准为：①符合中华人民共和国国家安全质量标准、环保标准或行业标准；②符合采购文件和响应承诺中甲方认可的合理最佳配置、参数及各项要求；③货物来源国官方标准。

3、货物为原厂商未启封全新包装，具出厂合格证，序列号、包装箱号与出厂批号一致，并可追索查阅。

4、供应商应将关键主机设备的用户手册、保修手册、有关单证资料及配备件、随机工具等交付给采购人，使用操作及安全须知等重要资料应附有中文说明。

**四、采购项目商务要求**

1、预算金额：￥ 187443.00 元，总报价超过预算价格为无效投标。

2、投标报价一律以人民币报价，磋商后第二次投标报价被视为供应商的最后报价或中标价，其中包括货品价格、税费、安装、施工、运杂费及不可预见费用等；成交供应商磋商后第二次投标总价为签订合同价格。在合同有效期内，合同价不受市场价格变化的影响。

3、承包范围：包人工、材料、质量、安全、验收，包保修及本项目维修实施中可能出现其它未知因素而产生的费用和相关服务的方式进行总包干。

4、为完成本项目的一切保险费等以及按政策法规、规范要求实施的工序所引起的费用必须包含在投标报价内，项目结算时不另行追加。

5、安装地点:采购人指定地点

6、交付期限：签订合同后30个工作日内完成。

7、付款方式：

项目完成，经甲方组织有关人员对项目进行验收，验收合格支付97%的合同款；质保期满一年，耗材没有质量问题，甲方一次性支付3%的合同款.

8、培训:供应商负责对采购人有关人员进行设备使用方法的培训。

9、保修期：本项目的质量保证期（简称“质保期”）：自项目验收交付之日起总体项目提供一年质量保证期，质保期内成交供应商对所供货物必须负责免费维护及更换零配件，成交供应商必须提供免费上门服务，接到维修通知后的3小时内到达故障现场，24小时内修复，如果24小时内不能修复，成交供应商须免费提供更换全新货物使用。

**第三部分 供应商须知**

**一、概念释义**

1.“采购人”是指：汕尾职业技术学院。

2.“监管部门”是指：汕尾职业技术学院审计处。

3．“招标采购单位”是指：采购人。

4．合格的供应商:

4.1符合《政府采购法》第二十二条规定的供应商。

4.2符合谈判文件规定的项目特殊条件要求的供应商。

5.“成交供应商”是指经法定程序确认并授以合同的供应商。

**二、采购文件**

1.采购文件的构成

1.1采购文件由下列文件以及在采购过程中发出的澄清更正文件组成：

1) 报价邀请函

2) 用户需求书

3) 供应商须知

4) 磋商、评审、成交

5) 合同书格式

6) 响应文件格式

7) 在采购过程中由采购人发出的澄清更正文件等

2.采购文件的澄清更正

2.1采购人对采购文件进行必要的澄清更正的，在指定媒体上发布公告，并通知所有报名及购买采购文件的供应商，报名及购买采购文件的供应商在收到澄清更正通知后应按要求以书面形式（加盖单位公章，传真有效）予以确认，该澄清更正的内容为采购文件的组成部分。

2.2根据采购的具体情况，采购人可延长响应文件递交截止时间和磋商时间，并将变更时间在指定媒体上发布公告及通知所有报名及购买采购文件的供应商。

**三、响应文件的编制和数量**

1.报价的语言

1.1供应商提交的响应文件以及供应商与采购人就有关报价的所有来往函电均应使用中文。供应商提交的支持文件或印刷的资料可以用另一种语言，但相应内容应附有中文翻译本，两种语言不一致时以中文翻译本为准。

2.响应文件编制

2.1供应商应当对响应文件进行装订，对未经装订的响应文件可能发生的文件散落或缺损，由此产生的后果由供应商承担。

2.2供应商应认真阅读、并充分理解采购文件的全部内容（包括所有的补充、修改内容、重要事项、格式、条款和技术规范、参数及要求等），并应完整、真实、准确的填写采购文件中规定的所有内容。供应商没有按照采购文件要求提交全部资料，或者报价没有对采购文件在各方面都作出实质性响应是供应商的风险，有可能导致其报价被拒绝，或被认定为无效响应或被确定为报价无效。

2.3供应商必须对响应文件所提供的全部资料的真实性承担法律责任，并无条件接受采购人对其中任何资料进行核实的要求。

2.4如果因为供应商响应文件填报的内容不详，或没有提供采购文件中所要求的全部资料及数据，由此造成的后果，其责任由供应商承担。

3.报价及计量

3.1供应商所提供的货物和服务均应以人民币报价。

3.2除非采购文件的技术规格中另有规定，供应商在响应文件中及其与采购人的所有往来文件中的计量单位均应采用中华人民共和国法定计量单位。

4.磋商保证金

4.1供应商应按采购文件规定的金额和期限交纳磋商保证金，磋商保证金作为响应文件的组成部分。

4.2磋商保证金可以采用银行转账、银行保函（或《政府采购报价担保函》）等形式提交。交纳办法如下：

4.3保证金金额为：3000.00 **元**。

采用银行转账方式的，应在响应文件递交截止时间之前到达采购人财务账户；

**户名: 汕尾职业技术学院。**

**开户银行: 中国建设银行股份有限公司汕尾市分行营业部。**

**帐号: 44001736305053005783。**

**备注：请注明(2021-2022学年第一学期实训耗材采购项目保证金）。**

**请将汇款回执扫描发送至swzycgb@163.com**

4.4凡未按规定交纳投标保证金的投标，为无效投标。

4.5未中标的报价人的投标保证金,招标人将在公布中标结果后5个工作日内予以退还(不计利息)。

4.6中标人的投标保证金在签订合同后,凭本次项目合同书到汕尾职业技术学院办理保证金退还手续(不计利息)。

4.7下列任何情况发生时,投标保证金将被汕尾职业技术学院没收、上缴国库。

（1）报价人在报价中规定的投标有效期内撤回其投标。

（2）中标人在规定的期限内未能:

a按磋商文件要求签订合同。

b接受对报价文件错误的修正。

（3）提供存在虚假内容的报价文件。

5.响应文件的数量和签署

5.1供应商应编制响应文件正本一份和副本二 份，响应文件的副本可采用正本的复印件。每套响应文件须清楚地标明“正本”、“副本”。若副本与正本不符，以正本为准。

5.2响应文件的正本需打印或用不褪色墨水书写，并由法定代表人或经其正式授权的代表签字或盖章。授权代表须出具书面授权证明，其《法定代表人授权书》应附在响应文件中。

5.3响应文件中的任何重要的插字、涂改和增删，必须由法定代表人或经其正式授权的代表在旁边签字或盖章才有效。

6.响应文件的密封和标记

6.1供应商应将响应文件正本和所有的副本分别单独密封包装，并在外包装上清晰标明“正本”、“副本”字样。

6.2供应商应按照《响应文件格式》的要求制作《报价信封》并独立封装。

6.3封或外包装上应当注明采购项目名称、采购项目编号和“在（采购文件中规定的磋商日期和时间）之前不得启封”的字样，封口处应加盖供应商印章。

6.4如果未按要求密封和标记，采购人对误投或提前启封概不负责。

**四、响应文件的递交**

1.响应文件的递交

1.1所有响应文件应在响应文件递交截止时间前送达指定地点。

1.2采购人将拒绝以下情况的响应文件：

1）迟于响应文件递交截止时间递交的。

1.3采购人不接受邮寄、电报、电话、传真方式报价。

2.响应文件的修改和撤回

2.1供应商在响应文件递交截止时间前，可以对所递交的响应文件进行补充、修改或者撤回，并书面通知采购人。补充、修改的内容应当按采购文件要求签署、盖章，并作为响应文件的组成部分。

2.2供应商所提交的响应文件在评审结束后，无论成交与否都不退还。

**五、磋商、评审、成交**

见采购文件第四部分。

**六、询问、质疑、投诉**

1.询问

1.1报价供应商对采购活动事项（采购文件、采购过程和成交结果）有疑问的，可以向采购人提出询问，采购人将及时作出答复，但答复的内容不涉及商业秘密。询问可以口头方式提出，也可以书面方式提出，书面方式包括但不限于传真、信函、电子邮件。联系方式见《报价邀请函》中“采购人的名称、地址和联系方式”。

2.质疑

2.1报价供应商认为采购文件、采购过程和成交结果使自己的权益受到损害的，以书面形式向采购人书面提出质疑：

1）采购文件在指定的学院采购信息发布媒体上公示最少5个工作日；购买本采购文件的投标供应商认为采购文件的内容损害其权益的，可以自购买采购文件之日起7个工作日内提出质疑，供应商质疑、投诉应当有明确的请求和必要的证明材料；

2）报价供应商认为采购过程和成交结果使自己的权益受到损害的，对采购过程提出质疑的，为各采购程序环节结束之日起7个工作日内提出质疑；对成交结果提出质疑的，为成交结果公告期限届满之日起7个工作日内提出质疑；供应商质疑、投诉应当有明确的请求和必要的证明材料(依据《中华人民共和国政府采购法实施条例》第五十七条，捏造事实、提供虚假材料或者以非法手段取得证明材料不能作为质疑、投诉的证明材料）；

采购人在收到报价供应商的书面质疑后7个工作日内作出答复，并以书面形式通知质疑报价供应商和其他有关报价供应商，但答复内容不涉及商业秘密。质疑报价供应商须提供相关证明材料，包括但不限于权益受损害的情况说明及受损害的原因、证据内容等，并对质疑内容的真实性承担责任。

3.投诉

3.1供应商对采购人的质疑答复不满意或在规定时间内未得到答复的，可以在答复期满后15个工作日内，可向汕尾职业技术学院审计处投诉。

**七、合同的订立和履行**

1.合同的订立

1.1采购人与成交供应商自成交通知书发出之日起三十日内，按招标文件要求和成交供应商响应文件承诺签订采购合同，但不得超出招标文件和成交供应商响应文件的范围、也不得再行订立背离合同实质性内容的其他协议。

2.合同的履行

2.1采购合同订立后，合同各方不得擅自变更、中止或者终止合同。

2.2采购合同履行中，采购人需追加与合同标的相同的货物、工程或者服务的，在不改变合同其他条款的前提下，可以与成交供应商签订补充合同，但所补充合同的采购金额不得超过原采购金额的10%。

3.有关合同的订立和履行的更多细节请见《广东省政府采购工作规范（试行）》第二部分的第十二章和第十三章。

**八、适用法律**

1.采购人及供应商进行的本次采购活动适用《政府采购法》及其配套的法规、规章、政策。

**第四部分　磋商、评审、成交**

**一、评审方法**

1.评审方法采用综合评分法。

2.通过资格性和符合性审查的有效供应商方有资格提交最终报价及进入综合评审。

**二、磋商小组**

1.本次采购依法组建磋商小组。

2.磋商小组将按照采购文件确定的评审方法进行评审。对采购文件中描述有歧义或前后不一致的地方，磋商小组有权按法律法规的规定进行评判，但对同一条款的评判应适用于每个供应商。

**三、技术商务磋商**

1.磋商小组邀请所有供应商参加磋商，以随机抽签的形式对供应商进行磋商排序。

2.磋商小组与供应商应围绕资格条件、技术、商务、合同条款等内容分别进行一轮或多轮的磋商。在磋商过程中，磋商小组应当严格遵循保密原则，未经供应商同意不得向任何人透露当事人技术、价格和其他重要信息。

3.磋商文件的修正：磋商小组调整或修改采购需求内容时，应取得磋商小组的一致同意，并以书面形式通知所有参加磋商的供应商。但任何形式的决定须以符合公平、公正原则和有利于项目的顺利实施为前提。

**四、资格性和符合性评审**

1.磋商小组根据《资格性和符合性审查表》的内容逐条对响应文件进行评审，审查每份响应文件的相关资格证明文件是否齐全有效，资格证明文件不齐全的，能否在规定时间内补齐。审查每份响应文件是否实质上响应了磋商文件的要求，只要不满足《资格性和符合性审查表》所列各项要求之一的，将被认定为无效响应。对响应有效性认定意见不一致的，磋商小组按简单多数原则表决决定。

2.磋商小组对各供应商进行资格性和符合性审查过程中，对初步被认定为初审不合格或无效响应者应实行及时告知，由磋商小组组长或采购人代表将集体意见现场及时告知该供应商，以让其核证、澄清事实。

3.在磋商过程中，供应商提交的澄清文件和最终响应文件，由供应商法定代表人或授权代表签署后生效，供应商应受其约束。因此，该签字人参加磋商时需出示有效的身份证明文件，否则，其签字的澄清文件和最终响应文件无效。

**五、磋商后第二次报价**

磋商小组邀请所有有资格的供应商参加磋商后，所有有资格的供应商进入磋商后第二次报价，该报价被视为供应商的最后报价或中标价。

**六、技术、商务及价格评审**

1.评分总值最高为100分，评分分值（权重）分配如下：

|  |  |  |
| --- | --- | --- |
| 评分项目 | 商务、技术部分权重 | 价格部分权重 |
| 分值 | 70 | 30 |

2.商务、技术、价格部分评审

**附表一：资格性和符合性审查表**

**资格性和符合性审查表**

|  |  |
| --- | --- |
| **审查项目** | **要求** |
| 资格性审查 | 与磋商邀请函的供应商资格要求一致。 |
| 不能通过资格性审查的供应商，不需进行以下内容的审查。 | |
| 符合性审查 | 1、对报价内容的关键、主要项目，供应商没有报价漏项。 |
| 2、按要求缴纳了磋商保证金。 |
| 3、法定代表人/负责人资格证明书及授权委托书，按对应格式文件签署、盖章(原件)。 |
| 4、响应文件完全满足磋商文件的实质性条款（“★”号条款）； |
| 5、提交磋商函。响应文件完整且编排有序，响应内容基本完整，无重大错漏，并按要求密封、签署、盖章。 |
| 6、响应文件没有磋商文件中规定的被视为无效磋商的其它条款的； |
| 7、磋商有效期满足磋商文件要求； |
| 8、如报价出现修正，报价人按磋商文件规定书面确认。 |
| 9、按有关法律、法规、规章不属于磋商无效的； |
| 10、报价总金额是固定价且是唯一的，未超过本项目采购预算。 |

备注：1.本表与磋商文件中相关评审条款内容不一致的，以本表内容为准。

2.每一项符合的打“√”，不符合的打“×”。

3.“结论”一栏填写“通过”或“不通过”；任何一项出现“×”的，结论为不通过；不通过的为无效响应。

4.汇总时出现不同意见的，磋商小组按简单多数原则表决决定。

**附表二：技术、商务评审表**

|  |  |  |  |
| --- | --- | --- | --- |
| 评审项目 | | 权重 | 评分标准/档次 |
| 技术、商务  评审  表 | 针对本项目内容的完整供货方案（15分） | 70 | 比较投标人所提交方案的内容、方案科学、有针对性及合理情况进行综合评价：优：15分；良：10分；一般：5分；差：1分。 |
| 项目完成总工期及质量保证措施（12分） | 比较投标人针对本项目完成实施及质量保证措施是否有合理、有针对性进行综合评价：优：12分；良：8分；一般：5分；差：2分。 |
| 关键要求参数响应程度（10分） | 非“▲”项，不能响应或负偏离：每项扣1分，扣完为止。 |
| 用户需求书商务条款的响应情况（13分） | 供应商对招标文件用户需求书商务条款响应程度,完全响应且有优化得13分；完全响应得10分；部分响应得3分。 |
| 同类业绩（10分） | 投保人自2018年1月1日至投标截止日，具有同类采购项目供货业绩，每提供1项得2分，满分10分。  以合同签订日为准，提供合同复印件加盖公章，无提供不得分。 |
| 售后服务方案（10分） | 比较供应商针对项目所提交的售后服务、维护保养及应急维修安排等方案的内容、方案科学、有针对性及合理等情况进行综合评价：优：10分；良：8分；一般：5分；差：1分。 |

注：各评委按规定的范围内进行量化打分，并统计总分；

3.价格评审

（1）最终报价：所有作出实质性响应的有效供应商应在规定的时间内集中密封提交最终报价（最终报价时间视磋商进程由磋商小组决定）。

（2）核实价的确定：磋商小组对各供应商的最终报价按下述原则进行校核、评审或作出必要的修正后的价格为核实价，如果出现多种处理原则所产生的结果不一致的情况，以最高的修正价作为核实价。

（3）报价的错误修正原则

大写金额与小写金额不一致的，以大写金额为准；

总价金额与按单价汇总金额不一致的，以单价金额计算结果为准；

单价金额小数点有明显错位的，应以总价为准，并修改单价；

修正价后的价格作为核实价。

（4）评审价的确定：按上述条款的原则校核修正后的价格为评审价。

（5）计算价格评分：各有效磋商供应商的评审价中，取最低者作为基准价，各有效响应供应商的价格评分统一按照下列公式计算：

价格评分＝（基准价÷评审价）×30

4.评审总得分及统计：各评委的评分的算术平均值即为该供应商的技术商务评分。然后，根据比价原则评出价格评分。将技术商务评分和价格评分相加得出评审总得分（评审总得分分值按四舍五入原则精确到小数点后两位）。

**七、中标供应商的确定**

1.推荐中标候选投标供应商名单：本项目依法推荐不多于三名成交候选人。将各有效磋商供应商按其评审总得分由高到低顺序排列。评标总得分相同的，按下列顺序比较确定：（1）最终报价（由低到高）；（2）技术评分（由高到低）。如以上都相同的，名次由评标委员会抽签确定。排名第一的投标供应商为第一中标候选人，排名第二的投标供应商为第二中标候选人，以此类推。

2.根据磋商小组的评标结果，采购人依法确定中标供应商，也可以事先授权磋商小组直接确定中标供应商。

**八、发布成交结果**

1.采购人将在媒体公告成交结果：汕尾职业技术学院官网。

2.在《成交结果公告》发布的同时，采购人以书面形式向成交供应商发出经采购人确认的《成交通知书》，成交供应商应以书面形式回复，确认收到。

3.《成交通知书》是合同的一个组成部分，对采购人和成交供应商具有同等法律效力；《成交通知书》发出后，采购人改变成交结果，或者成交供应商放弃中标的，均应承担相应的法律责任。

**第五部分 合同（草样）**

**汕尾职业技术学院采购**

**合 同 书**

|  |
| --- |
| **采购编号：** |
|  |
| **项目名称：** |

**注：本合同仅为合同的参考文本，合同签订双方可根据项目的具体要求进行修订。**

甲 方：

电 话： 　 传 真： 地 址：

乙 方：   
电 话： 传 真： 地 址：

项目名称： 采购编号：

根据 项目的采购结果，按照《中华人民共和国政府采购法》、《中华人民共和国民法典》的规定，经双方协商，本着平等互利和诚实信用的原则，一致同意签订本合同如下。

一、货物内容

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 序号 | 商品名称 | 品牌、规格型号及参数、配置  （性能参数） | 产地 | 数量 | 单价(元) | 金额(元) |
| 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |
| 小计总额：￥ 元； 大写： | | | | | | |

合同总额包括乙方设计、安装、随机零配件、标配工具、运输保险、调试、培训、质保期服务、各项税费及合同实施过程中不可预见费用等。

注：货物名称内容必须与投标文件中货物名称内容一致。

二、合同金额

合同金额为（大写）：\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_元（￥\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_元）。

三、设备要求

1.货物为原制造商制造的原包装全新产品，货物无污染，无侵权行为、表面无划损、无任何缺陷隐患，在中国境内可依常规安全合法使用。

2.交付验收标准依次序对照适用标准为：①符合中华人民共和国国家安全质量标准、环保标准或行业标准；②符合采购文件和响应承诺中甲方认可的合理最佳配置、参数及各项要求；③货物来源国官方标准。

3.乙方应将主要产品的用户手册、保修手册、有关单证资料等交付给甲方，使用操作及安全须知等重要资料应附有中文说明。

四、供货期、供货地点

1.供货期：合同签订之日起30个工作日；

2.供货地点：采购人指定地点。

五、付款方式：项目完成，经甲方组织有关人员对项目进行验收，验收合格支付97%的合同款；质保期满一年，产品没有质量问题，甲方一次性支付3%的合同款。

六、质保期及售后服务要求

1.本合同的质量保证期（免费保修期）为 1 年（附证明材料），质保期内乙方对所供货物实行包修、包换、包退、包维护保养，期满后可同时提供终身 (免费/有偿) 维修保养服务。

2.质保期内，如设备或零部件因非人为因素出现故障而造成短期停用时，则质保期和免费维修期相应顺延。如停用时间累计超过60天则质保期重新计算。

七、验收：

1）货物若有国家标准按照国家标准验收，若无国家标准按行业标准验收，为原制造商制造的全新产品，产品无污染，无侵权行为、表面无划损、无任何缺陷隐患，在中国境内可依常规安全合法使用。

2）乙方应将主要设备的用户手册、保修手册、有关单证资料及配备件等交付给甲方，使用操作及安全须知等重要资料应附有中文说明。

3）甲方组成验收小组按国家有关规定、规范进行验收，必要时邀请相关的专业人员或机构参与验收。因货物质量问题发生争议时，由本地质量技术监督部门鉴定。货物符合质量技术标准的，鉴定费由甲方承担；否则鉴定费由乙方承担。

八、违约责任与赔偿损失

1) 乙方交付的货物不符合采购文件、报价文件或本合同规定的，甲方有权拒收，并且乙方须向甲方支付本合同总价5%的违约金。

2) 乙方未能按本合同规定的交货时间交付货物的，从逾期之日起每日按本合同总价1‰的数额向甲方支付违约金；逾期1个月以上的，甲方有权终止合同，由此造成的甲方经济损失由乙方承担。

3) 甲方无正当理由拒收货物，到期拒付货物款项的，甲方向乙方偿付本合同总的5%的违约金。甲方逾期付款，则每日按本合同应付部分的1‰向乙方偿付违约金。

九、争议的解决

合同执行过程中发生的任何争议，如双方不能通过友好协商解决的，可向甲方所在地人民法院提起诉讼解决。

十、不可抗力：任何一方由于不可抗力原因不能履行合同时，应在不可抗力事件结束后1日内向对方通报，以减轻可能给对方造成的损失，在取得有关机构的不可抗力证明或双方谅解确认后，允许延期履行或修订合同，并根据情况可部分或全部免于承担违约责任。

十一、税费：在中国境内、外发生的与本合同执行有关的一切税费均由乙方负担。

十二、其它

1) 本合同所有附件、采购文件、投标文件、中标通知书通知书均为合同的有效组成部分，与本合同具有同等法律效力。

2) 在执行本合同的过程中，所有经双方签署确认的文件（包括会议纪要、补充协议、往来信函）即成为本合同的有效组成部分。

3) 如一方地址、电话、传真号码有变更，应在变更当日内书面通知对方，否则，应承担相应责任。

4) 除甲方事先书面同意外，乙方不得部分或全部转让其应履行的合同项下的义务。

十三、合同生效：

1）本合同在甲乙双方法人代表或其授权代表签字盖章后生效。

2）合同一式四份，甲方执三份、乙方执一份。

甲方（盖章）： 乙方（盖章）：

代表： 代表：

签订日期： 年 月 日 签订日期： 年 月 日

开户名称：

银行帐号：

开 户 行：

**第六部分 报价文件格式**

**汕尾职业技术学院采购**

**竞争性磋商**

**响应文件**

**（正本/副本）**

**采购项目名称：**

**采购项目编号：**

**供应商名称：**

**日期： 年 月 日**

**目 录**

1、自查表……………………………………………………………………（）页

2、资格性文件………………………………………………………………（）页

3、商务部分…………………………………………………………………（）页

4、技术部分…………………………………………………………………（）页

5、价格部分…………………………………………………………………（）页

......（其它内容）

注：请供应商参照以下要求的格式制作响应文件，并请编制目录及页码。

## 一、自查表

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **评审内容** | | **采购文件要求** | **自查结论** | **证明资料** |
| 资格性检查 | 供应商资格要求 | 能满足谈判文件内容中“第一部分 谈判邀请函” 四、供应商资格，并按要求提供相关有效证明文件。 | □通过  □不通过 | 见投标/响应文件第（）页 |
| 符合性检查 | 投标/响应函 | 按对应格式文件填写、签署、盖章(原件) | □通过  □不通过 | 见投标/响应文件第（）页 |
| 法定代表人/负责人资格证明书及授权委托书 | 按对应格式文件签署、盖章(原件) | □通过  □不通过 | 见投标/响应文件第（）页 |
| 保证金（投标保证金交纳凭证） | 人民币 元整（￥ 元）（以支票、汇票、本票或者金融机构、担保机构出具的保函等非现金形式为依据） | □通过  □不通过 | 见投标/响应文件第（）页 |
| 准入条件  (关于资格的声明函) | 能独立承担民事责任，具有从事本项目的经营范围和能力  “…… | □通过  □不通过 | 见投标/响应文件第（）页 |
| 其他要求 | 按投标资料清单中规定提供“必须提交”的文件资料 | □通过  □不通过 | 见投标/响应文件第（）页 |
| 报价人的合格性 | 在经营范围内报价 | □通过  □不通过 | 见投标/响应文件第（）页 |
| 报价要求 | 报价方案是唯一确定 | □通过  □不通过 | 见投标/响应文件第（）页 |
| 其它 | 实质性响应招标文件中规定的其它情况 | □通过  □不通过 | 见投标/响应文件第（）页 |

注：以上材料将作为投标人资格性、符合性审查内容的重要组成部分，投标人必须

严格按照其内容及序列要求在投标文件中如实提供，并在对应的□打“√”。

## 二、资格性文件

#### 2.1响应函

汕尾职业技术学院：

依据贵方采购项目名称： （采购项目编号： ) 项目的谈判邀请，我方代表（姓名、职务）经正式授权并代表（谈判供应商名称、地址）提交下述文件正本\_1\_份，副本 2 份。

1. 自查表；

2. 资格性文件；

3. 商务部分；

4. 技术部分；

5. 价格部分。

在此，我方声明如下：

1.同意并接受招标文件的各项要求，遵守招标文件中的各项规定，按招标文件的要求提供报价。

2.谈判有效期为递交谈判响应文件之日起90天，成交供应商谈判有效期延至合同验收之日。

3.我方已经详细地阅读了全部招标文件及其附件，包括澄清及参考文件(如果有的话)。我方已完全清晰理解招标文件的要求，不存在任何含糊不清和误解之处，同意放弃对这些文件所提出的异议和质疑的权利。

4.我方已毫无保留地向贵方提供一切所需的证明材料。

5.我方承诺在本次谈判中提供的一切文件，无论是原件还是复印件均为真实和准确的，绝无任何虚假、伪造和夸大的成份，否则，愿承担相应的后果和法律责任。

6.我方完全服从和尊重评委会所作的评定结果，同时清楚理解到报价最低并非意味着必定获得成交资格。

7.我方同意按招标文件规定向采购人缴纳保证金。

谈判供应商名称：

地址：

传真：

电话：

电子邮件：

谈判供应商（法定代表人授权代表）代表签字：

谈判供应商名称(公章)：

开户银行：

帐号：

日期：

#### 2.2法定代表人/负责人资格证明书及授权委托书

（1）法定代表人/负责人资格证明书

致：汕尾职业技术学院

同志为本单位法定代表人，特此证明。

签发日期： 单位： （盖单位公章）

附：代表人性别： 年龄： 身份证号码：

联系电话：

营业执照号码： 经济性质：

机构代码： 机构性质：

主营：

兼营：

说明：1.内容必须填写真实、清楚、涂改无效，不得转让、买卖。

2.将此证明书提交对方作为合同附件。

法定代表人身份证复印件

（盖单位公章）

（2）法定代表人/负责人授权委托书

致：汕尾职业技术学院：

兹授权 同志，为我方签订经济合同及办理其他事务代理人，其权限是： 。

授权单位： （盖章） 法定代表人： （签名或盖私章）

有效期限：至 年 月 日 签发日期：

附：代理人性别： 年龄： 职务：

身份证号码：

联系电话：

营业执照号码： 经济性质：

主营：

兼营：

说明：

1.法定代表人为企业事业单位、国家机关、社会团体的主要行政负责人。

2.内容必须填写真实、清楚、涂改无效，不得转让、买卖。

3.将此证明书提交对方作为合同附件。

4.授权权限：全权代表本公司参与上述采购项目的谈判，负责提供与签署确认一切文书资料，以及向贵方递交的任何补充承诺。

5.有效期限：与本公司谈判响应文件成交注的谈判有效期相同，自本单位盖公章之日起生效。

6.签字代表为法定代表人，则本表不适用。

代理人身份证复印件

（盖单位公章）

**2.3保证金交纳凭证**

汕尾职业技术学院：

（投标人/响应供应商全称) 参加贵方组织的、采购项目为　 　编号为 的采购活动。按招标/谈判文件的规定，于 年 月 日通过（以支票、汇票、本票或者金融机构、担保机构出具的保函等非现金形式提交）形式交纳人民币（大写） 　　 元的投标/谈判保证金。

投标人/响应供应商名称：（开户名称）

投标人/响应供应商开户银行：（具体开户网点）

投标人/响应供应商银行帐号：（开户账号）

投标人/响应供应商联系人及手机号码：

说明：

1.上述要素供银行转账及银行汇款方式填写，其他形式可不填。其他方式以现场递交为依据。

2.上述要素的填写必须与银行转账或银行汇款凭证的要素一致，（采购人）依据此凭证信息退还投标/谈判保证金。

投标人/响应供应商法定代表人（或法定代表人授权代表）签字：

投标人/响应供应商名称（签章）： 日期： 年 月 日

|  |
| --- |
| 粘贴转帐或汇款的银行凭证复印件 |

注：1.投标人/响应供应商投标/谈判响应时，应当按招标/谈判文件要求交纳投标/谈判保证金。投标/谈判保证金按招标文件规定的形式交纳。

2.招标人在中标/成交通知书发出后五个工作日内凭此函退还未中标供应商的投标保证金，已中标供应商在本项目签订合同后五个工作日内凭此函退还中标/成交供应商的投标保证金。

3.保证金说明函必须说明清楚，按保证金说明函的内容退还，如由此原因造成差错或未到与本中心无关，后果由投标人自负。

**2.4关于资格的声明函**

致：汕尾职业技术学院：

关于贵方采购项目名称:\_\_\_\_\_\_\_\_\_\_\_\_（采购项目编号： ）谈判，本单位愿意提交响应文件，并证明提交的下列文件和说明是准确的和真实的。

1．营业执照。

2．税务登记证。

3．

……

（相关证明文件附后）

本单位保证全部谈判响应文件和问题的回答是真实和有效的，并对所提供资料的真实性负责。

申请人代表签字（或加盖私章）：

申请人名称（盖单位公章）：

日期： 年 月 日

## 三、商务部分

**3.1谈判供应商综合概况**

**谈判供应商情况介绍表**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 单位名称 |  | | | | |
| 地址 |  | | | | |
| 主管部门 |  | 法人代表 |  | 职务 |  |
| 经济类型 |  | 授权代表 |  | 职务 |  |
| 邮编 |  | 电话 |  | 传真 |  |
| 单位简介及机构设置 |  | | | | |

注：如谈判供应商此表数据有虚假，一经查实，自行承担相关责任。

谈判供应商法定代表人（或法定代表人授权代表）签字：

谈判供应商名称（签章）：

日期： 年 月 日

**3.2商务条款响应表**

**一般商务条款响应表**

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 一般商务条款要求 | 是否响应 | 偏离说明 |
| 1 | 完全理解并接受合同条款要求 |  |  |
| 2 | 完全理解并接受对合格投标人、合格的货物/服务要求 |  |  |
| 3 | 完全理解并接受对投标人的各项须知、规约要求和责任义务 |  |  |
| 4 | 投标有效期：投标有效期为自递交投标起至确定正式中标人止不少于90天，中标单位有效期至项目验收之日 |  |  |
| 5 | 报价内容均涵盖报价要求之一切费用和伴随服务 |  |  |
| 6 | 完工期：30个工作日 |  |  |
| 7 | 满足对售后服务的各项要求，在 设有固定售后服务机构 |  |  |
| 8 | 同意接受合同范本所列述的各项条款 |  |  |
| 9 | 同意按本项目要求缴付相关款项 |  |  |
| 10 | 同意采购方以任何形式对我方投标内容的真实性和有效性进行审查、验证 |  |  |
| 11 | 其它商务条款偏离说明： | | |

注：

1.对于上述要求，如投标人完全响应，则请在“是否响应”栏内打“√”，对空白或打“×”视为偏离，请在“偏离说明”栏内扼要说明偏离情况。

2.本表内容不得擅自修改。

投标人法定代表人（或法定代表人授权代表）签字：

投标人名称（签章）：

日期： 年 月 日

**四、技术部分**

**4.1项目说明一览表**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **产品名称** | **参数、规格及型号** | **单位** | **数量** | **备注** |
|  |  |  |  |  |
|  |  |  |  |  |
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注：附以下材料：

1.项目技术性能条件说明和有关资料，包括产品技术性能说明书等相关证明文件。

2.项目清单。

3.如本表格式内容不能满足需要，投标人可根据本表格格式自行划表填写，但必须体现以上内容。

投标人法定代表人（或法定代表人授权代表）签字：

投标人名称（签章）：

日期： 年 月 日

**4.2一般技术条款响应表**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **序号** | **产品名称** | **招标参数要求** | **投标实际参数**  **(投标人应按投标/响应货物实际数据填写，不能照抄招标要求)** | **是否偏离（无偏离/正偏离/负偏离）** | **偏离简述** |
| 1 |  |  |  |  |  |
| 2 |  |  |  |  |  |
| 3 |  |  |  |  |  |
| 4 |  |  |  |  |  |
| 5 |  |  |  |  |  |
| 6 |  |  |  |  |  |
| 7 |  |  |  |  |  |
| 8 |  |  |  |  |  |
| … |  |  |  |  |  |

注：

1.投标人必须对应招标文件“采购项目技术规格、参数及要求”的内容逐条响应。如有缺漏，缺漏项视同不符合招标要求。

2.投标人响应采购需求应具体、明确，含糊不清、不确切或伪造、变造证明材料的，按照不完全响应或者完全不响应处理。构成提供虚假材料的，移送监管部门查处。

3.本表内容不得擅自修改。

投标人法定代表人（或法定代表人授权代表）签字：

投标人名称（签章）：

日期： 年 月 日

**4.3技术（实施）方案**

技术方案设计必须科学合理、真实可行，能充分体现出自身技术和专业优势。其要点和主要内容为：

1.产品配置简介

2.产品技术特点说明及详细方案

投标人法定代表人（或法定代表人授权代表）签字：

投标人名称（签章）：

日期： 年 月 日

**4.4售后服务方案**

投标人必须提供但不限于提供以下内容：

1、详细说明售后服务的内容、形式，含免费维修时间、解决质量或操作问题的响应时间、解决问题的时间；

2、技术培训、质量保证措施；

3、本项目所提供的其它免费物品或服务

投标人法定代表人（或法定代表人授权代表）签字：

投标人名称（签章）：

日期： 年 月 日

**五、价格部分**

|  |  |  |
| --- | --- | --- |
| **项目名称** | **报价金额** | **备注** |
| 2021-2022学年第一学期实训耗材 | 大写： 拾 万 仟 佰 拾 元 角 分  小写：（¥ ) |  |

注：

1.谈判供应商须按要求填写所有信息。

2.报价中必须包括项目清单所发生的设备价格、人工费、材料费、机械费、管理费、利润、项目措施费、规费、税金、配合费、预留金以及施工合同包含的所有风险、责任等各项应有费用。所有价格均应予人民币报价，金额单位为元。

3.此表是谈判响应文件的必要文件，是谈判响应文件的组成部分，还应另附一份并与优惠声明（若有）封装在一个信封中，作为唱标之用。

谈判供应商法定代表人（或法定代表人授权代表）签字：

投标人名称（签章）：

日期： 年 月 日

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| |  |  |  |  |  | | --- | --- | --- | --- | --- | | 附件1： 2021-2022学年第一学期实训耗材报价总表 | | | | | | 序号 | 课程（实训）项目 | 金额（元） |  | | 1 | 电子技术 |  |  | | 2 | 传感器技术课程 |  |  | | 3 | 单片机应用技术（C语言） |  |  | | 4 | PCB设计与制作 |  |  | | 5 | 2021级物联网专业新生实训 |  |  | | 6 | 807实训室耗材 |  |  | | 7 | 电子设计类竞赛耗材 |  |  | | 8 | 单片机技术应用 |  |  | | 9 | 电子测量 |  |  | | 10 | 电路分析基础 |  |  | | 11 | 传感器技术应用 |  |  | | 12 | 传感器技术应用 |  |  | | 13 | 电工作业 |  |  | | 14 | 工业机器人操作与编程、工业机器人基础 |  |  | | 15 | 机械制图与AutoCAD |  |  | | 16 | 海洋食品调味品生产技术 |  |  | | 17 | 海洋食品微生物检验技术 |  |  | | 18 | 食品理化检验技术实验 |  |  | | 19 | 沟通与协调 |  |  | | 20 | 分析化学 |  |  | | 21 | 食品毒理学 |  |  | | 22 | “发粿”制作实训 |  |  | | 23 | 食品安全、新生实训 |  |  | | 24 | 智能电子产品设计与制作 |  |  | | 25 | 电子产品工艺与质量管理 |  |  | | 26 | 新生实训 |  |  | | 27 | 电子产品组装实训 |  |  | | 28 | 计算机控制技术 |  |  | | 29 | 105实训室耗材 |  |  | | 30 | 809实验室维护 |  |  | | 31 | 新生实训（电子信息工程技术） |  |  | | 32 | 贴片元件拆焊实训 |  |  | | 33 | 物联网软件设计 |  |  | | 34 | 科技教育编程与制作 |  |  | | 35 | 嵌入式技术 |  |  | | 36 | 213新生实训 |  |  | | 37 | 孵化基地105实训基地耗材 |  |  | | 38 | PLC基础与应用 |  |  | | 39 | 照明电路安装实训 |  |  | | 40 | 传感器技术应用 |  |  | | 41 | 电气控制技术 |  |  | | 42 | 电力电子技术 |  |  | | 43 | 工业机器人安装与调试 |  |  | | 44 | B102实训室维护 |  |  | | 45 | 203综合实训 |  |  | | 46 | 形象与礼仪 |  |  | | 47 | 学生综合实训 |  |  | | 48 | 单片机应用技术（C语言） |  |  | | 49 | 物联网AI视觉训练 |  |  | | 50 | 电子信息大类技能竞赛训练 |  |  | | 合计 |  |  |  |   附件2：采购项目清单   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | | | | | | | | | | | **表1** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | | **总价（元）** | | **项目名称** | | **1** | | 桥式整流滤波稳压电路套件 | LM317可调稳压电源套件 输出带保护电源 | 33 | 套 |  | |  | | 桥式整流滤波稳压电路 | | **2** | | 变压器 | 220V交流电源变压器10W AC转AC 12V | 4 | 个 |  | |  | | | **3** | | 鳄鱼夹线 | （10条）彩色鳄鱼夹线测试导线电源连接线 5色双头长50cm电子电瓶线 | 2 | 套 |  | |  | | | **4** | | LED灯套件 | PCB板,贴片发光二极管，电阻、电容整流二极管、外壳等。 | 33 | 套 |  | |  | | LED灯电路 | | **5** | | 无线抢答套件 | PCB板、编码解码模块，无线收发模块 | 17 | 套 |  |  | | 无线抢答电路 | | | **6** | | 色环电阻 | (35个)10Ω，1/2W(0.5瓦) 金属膜色环电阻器 | 35 | 个 |  |  | | 功放 | | | **7** | | 色环电阻 | (35个)100Ω，1/4W(0.25瓦) 金属膜色环电阻器 | 35 | 个 |  |  | | | **8** | | 色环电阻 | (35个)120Ω，1/4W(0.25瓦) 金属膜色环电阻器 | 35 | 个 |  |  | | | **9** | | 色环电阻 | (35个)150Ω，1/4W(0.25瓦) 金属膜色环电阻器 | 35 | 个 |  |  | | | **10** | | 色环电阻 | (35个)470Ω，1/4W(0.25瓦) 金属膜色环电阻器 | 35 | 个 |  |  | | | **11** | | 色环电阻 | (35个)5.1KΩ，1/4W(0.25瓦) 金属膜色环电阻器 | 35 | 个 |  |  | | | **12** | | 蓝白电位器102 | （35个）卧式蓝白电位器1kΩ | 35 | 个 |  |  | | | **13** | | 蓝白电位器104 | （35个）卧式蓝白电位器1kΩ | 35 | 个 |  |  | | | **14** | | 电解电容 | 10μF/25V | 35 | 个 |  |  | | | **15** | | 电解电容 | 47μF/25V | 35 | 个 |  |  | | | **16** | | 电解电容 | 100μF/25V | 35 | 个 |  |  | | | **17** | | 电解电容 | 220μF/25V | 35 | 个 |  |  | | | **18** | | 二极管 | IN4148 | 35 | 个 |  |  | | | **19** | | 三极管 | 9013 | 40 | 个 |  |  | | | **20** | | 三极管 | 8050 | 40 | 个 |  |  | | | **21** | | 三极管 | 8550 | 40 | 个 |  |  | | | **22** | | 杜邦线 | 10cm长母头转公头40条一排 | 4 | 排 |  |  | | | **23** | | 标签贴纸 | 19\*23mm【01-红色】10包100张 | 3 | 包 |  |  | | | **24** | | 单排针母座 | 1\*3p(2.54mm) | 70 | 条 |  |  | | | **25** | | 万能板 | 7x9mm | 34 | 个 |  |  | | | **合计** | | | | | | | | | | | | **表2、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 循迹避障遥控智能小车 | arduino uno R3智能小车H套餐，加红外循迹、红外避障、红外遥控，须送全套资料 | 18 | 个 |  |  | | 传感器在智能小车上的应用 | | | **2** | | 遥控蓝牙智能小车 | arduino uno R3智能小车J套餐，加红外避障、红外遥控蓝牙，须送全套资料 | 2 | 个 |  |  | | 传感器在智能小车上的应用 | | | **合计** | | | | | | | | | | | | **表3、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 51单片机学习板实验板stc89c52套件（A4套餐七） | 1.普中51-单核-A2开发板，1个 2.优质USB数据线，1条 3.直流电机，1个 4.红外遥控器，1个 5.无线模块接口 6.STC89C52单片机，1个 8.8位数码管（板载），1个 9.光敏、热敏电阻（板载），各1个 10.无源蜂鸣器（板载） 11.12M晶振（板载），1个 12.步进电机驱动模块（板载），1个 14红外接收头，1个 15.4\*4点阵键盘（板载），1个 16.时钟模块（板载），1个 17.8路led灯模块（板载） 18.4位独立按键（板载），1个 19.8×8点阵，1个 20.LCD1602，1个 21.小风扇，1个 22.18B20，1个 23.舵机遥控风扇，1个 24.超声波，1个 25.浇花套件，1个 26.步进电机，1个 27.电机支架，1个 28.WIFI模块，1个 29.12864大屏，1个 | 5 | 套 |  |  | | 《单片机应用技术（C语言）》课程 | | | **合计** | | | | | | | | | | | | **表4、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | PCB电路板制作（教师提供PCB图） | 尺寸10CM\*10CM 黑油白字，或红油白字等，1.6板厚两层板，有铅喷锡。 | 100 | 个 |  |  | | PCB课程实训 | | | **2** | | 直针座 | KF2510 接插件 2.54MM 直针座 2P | 200 | 个 |  |  | | | **3** | | 直针座 | KF2510 接插件 2.54MM 直针座 3P | 700 | 个 |  |  | | | **4** | | 直针座 | KF2510 接插件 2.54MM 直针座 4P | 300 | 个 |  |  | | | **5** | | 直针座 | KF2510 接插件 2.54MM 直针座 5P | 300 | 个 |  |  | | | **6** | | 直针座 | KF2510 接插件 2.54MM 直针座 5P | 300 | 个 |  |  | | | **7** | | 直针座 | KF2510 接插件 2.54MM 直针座 6P | 300 | 个 |  |  | | | **8** | | 直针座 | KF2510 接插件 2.54MM 直针座 7P | 100 | 个 |  |  | | | **9** | | 轻触开关 | 轻触开关 立式 6\*6\*4.3，高度12 | 200 | 个 |  |  | | | **10** | | 直针座 | XH2.54接插件 2.54mm 直针座2p | 100 | 个 |  |  | | | **11** | | 直针座 | XH2.54接插件 2.54mm 直针座3p | 400 | 个 |  |  | | | **12** | | 直针座 | XH2.54接插件 2.54mm 直针座4p | 200 | 个 |  |  | | | **13** | | 直针座 | XH2.54接插件 2.54mm 直针座5p | 200 | 个 |  |  | | | **14** | | 直针座 | XH2.54接插件 2.54mm 直针座6p | 200 | 个 |  |  | | | **15** | | 直针座 | XH2.54接插件 2.54mm 直针7p | 200 | 个 |  |  | | | **16** | | 弯针座 | KF2510 接插件 2.54MM 高弯针座2P | 100 | 个 |  |  | | | **17** | | 弯针座 | KF2510 接插件 2.54MM 高弯针座3P | 500 | 个 |  |  | | | **18** | | 弯针座 | KF2510 接插件 2.54MM 高弯针座4P | 200 | 个 |  |  | | | **19** | | 弯针座 | KF2510 接插件 2.54MM 高弯针座5P | 200 | 个 |  |  | | | **20** | | 弯针座 | KF2510 接插件 2.54MM 高弯针座6P | 200 | 个 |  |  | | | **21** | | 弯针座 | KF2510 接插件 2.54MM 高弯针座7P | 200 | 个 |  |  | | | **22** | | 电子线 | KF2510 电子线 双头压簧片端子线26awg红色电子线 间距2.54mm | 200 | 条 |  |  | | | **23** | | 电子线 | KF2510 电子线 双头压簧片端子线26awg黑色电子线 间距2.54mm | 200 | 条 |  |  | | | **24** | | 电子线 | KF2510 电子线 双头压簧片端子线26awg黄色电子线 间距2.54mm | 200 | 条 |  |  | | | **25** | | 电子线 | KF2510 电子线 双头压簧片端子线26awg绿色电子线 间距2.54mm | 200 | 条 |  |  | | | **26** | | 电子线 | KF2510 电子线 双头压簧片端子线26awg蓝色电子线 间距2.54mm | 200 | 条 |  |  | | | **27** | | RGB灯 | WS2812B灯珠 5050幻彩四脚内置驱动IC灯珠5050RGB | 1000 | 个 |  |  | | | **28** | | 胶壳插头 | KF2510弯针座连接器胶壳插头接线端子2.54mm间距2P（50个一件） | 2 | 件 |  |  | | | **29** | | 胶壳插头 | KF2510弯针座连接器胶壳插头接线端子2.54mm间距3P（50个一件） | 4 | 件 |  |  | | | **30** | | 胶壳插头 | KF2510弯针座连接器胶壳插头接线端子2.54mm间距4P（50个一件） | 4 | 件 |  |  | | | **31** | | 胶壳插头 | KF2510弯针座连接器胶壳插头接线端子2.54mm间距5P（50个一件） | 2 | 件 |  |  | | | **32** | | 胶壳插头 | KF2510弯针座连接器胶壳插头接线端子2.54mm间距6P（50个一件） | 2 | 件 |  |  | | | **33** | | 胶壳插头 | KF2510弯针座连接器胶壳插头接线端子2.54mm间距7P（50个一件） | 2 | 件 |  |  | | | **34** | | 发光二极管 | 3MM/F3 透明LED 红绿双色 共阴 发光二极管 | 100 | 个 |  |  | | | **35** | | 发光二极管 | 3MM/F3 雾状LED 红蓝双色 共阴 发光二极管 指示灯双色灯 | 100 | 个 |  |  | | | **36** | | 发光二极管 | 5MM/F5 透明 全彩LED 共阴 四脚RGB可控七彩灯 发光二极管 | 100 | 个 |  |  | | | **37** | | 按键开关 | 12\*12\*7.3MM 黑色方头/微动/轻触/按键开关 | 200 | 个 |  |  | | | **38** | | 排针插座 | 2.54MM间距 排母 单排母 排针插座 20P | 200 | 条 |  |  | | | **39** | | 排针插座 | 2.54MM间距 排母 单排母 排针插座 4P | 200 | 条 |  |  | | | **40** | | 键帽帽 | 圆形按键帽 适用于12\*12\*7.3MM 方头 轻触/微动开关按帽 红色 | 50 | 个 |  |  | | | **41** | | 键帽帽 | 圆形按键帽 适用于12\*12\*7.3MM 方头 轻触/微动开关按帽 黄色 | 50 | 个 |  |  | | | **42** | | 键帽帽 | 圆形按键帽 适用于12\*12\*7.3MM 方头 轻触/微动开关按帽 绿色 | 50 | 个 |  |  | | | **43** | | 键帽帽 | 圆形按键帽 适用于12\*12\*7.3MM 方头 轻触/微动开关按帽 绿色 | 50 | 个 |  |  | | | **44** | | 火焰传感器模块 | 火焰传感器模块 | 25 | 个 |  |  | | | **45** | | 烟雾模块 | MQ-2烟雾传感器模块 MQ2 气体传感器 | 25 | 个 |  |  | | | **46** | | 矩阵触摸按键模块 | 4\*4矩阵 薄膜开关/按键/控制面板/单片机扩展键盘 | 25 | 个 |  |  | | | **47** | | LCD1602/2004转接板 | IIC/I2C/接口 LCD1602/2004转接板 PCF8574 | 20 | 个 |  |  | | | **48** | | 红色LED | 红发红色1000颗一包3MM | 1 | 包 |  |  | | | **49** | | 黄色LED | 黄发黄色1000颗一包3MM | 1 | 包 |  |  | | | **50** | | 蓝色LED | 蓝发蓝色1000颗一包3MM | 1 | 包 |  |  | | | **51** | | 绿色LED | 绿发绿色1000颗一包3MM | 1 | 包 |  |  | | | **52** | | 白色LED | 白发白，1000颗一包3MM | 1 | 包 |  |  | | | **合计** | | | | | | | | | | | | **表5、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | UNO R3开发板基于ESP8266 ESP-12F模块 | 适用arduino，模块+数据线 | 40 | 个 |  |  | | 新生专业实训 | | | **2** | | 32位WS2812B 5050彩灯模块 | 环形，内径95mm，外景110mm | 40 | 个 |  |  | | | **3** | | 64位WS2812B 5051彩灯模块 | 正方形，边长66mm | 10 | 个 |  |  | | | **4** | | 面包板 | 400孔，8.5\*5.5cm | 40 | 个 |  |  | | | **合计** | | | | | | | | | | | | **表6、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 排插 | 公牛排插，六位总控1.8米 | 12 | 个 |  |  | | **专业综合实训与课程实训** | | | **2** | | 排插 | 公牛排插，六位总控5米 | 6 | 包 |  |  | | | **3** | | 烙铁架 | 旗舰版：放大镜带灯、辅助夹具带烙铁架、焊接放大镜工作台、维修台灯 | 4 | 套 |  |  | | | **合计** | | | | | | | | | | | | **表7、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 十字旋转LED显示屏套件 | 采用51贴片单片机控制，显示部分采用高亮0805 LED！上位机改字软件可存储150个中英文字符！采用高性能电机FR370。采用无线供电方式给旋转部分供电. | 2 | 套 |  |  | | 电子设计类耗材 | | | **2** | | 51单片机激光竖琴套件 | 共有7根琴弦，切割琴弦时对应琴弦的LED点亮，共7颗LED | 2 | 套 |  |  | | | **3** | | 平面LED旋转显示屏套件 | 焊接好了单片机及晶振，且下载好了相关呈序及字幕，其它元件未焊接。贴片LED灯采用0805封装，电阻采用0603封装。 | 2 | 套 |  |  | | | **4** | | 声控延时模块 | ZK-SK.宽电压3-9V. | 4 | 个 |  |  | | | **5** | | 振动开关传感器模块 | 震动开关SW-18010P，DO数字开关量输出 | 4 | 个 |  |  | | | **6** | | 光学测距传感器模块 | VL6180X | 4 | 个 |  |  | | | **7** | | 脉搏心率 传感器 | 蓝牙兼容 | 4 | 套 |  |  | | | **8** | | 麦克风放大器模块 | MAX9814 | 4 | 个 |  |  | | | **9** | | 语音口令识别模块 | LD3320A人机对话/声音控制 | 2 | 个 |  |  | | | **合计** | | | | | | | | | | | | **表8、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | STC单片机 | STC15F2K60S2、DIP40（双列直插式） | 5 | 个 |  |  | |  | | | **2** | | 电阻 | 390欧（1包100个） | 27 | 包 |  |  | | 单片机技术应用课程基础实训项目 | | | **3** | | 电阻 | 10k（1包100个） | 6 | 包 |  |  | | | **4** | | 发光二极管 | 3mm，红绿黄蓝白色直插灯珠（1包100） | 18 | 包 |  |  | | | **5** | | 电解电容 | 10uf/25V（1包50个） | 4 | 包 |  |  | | | **6** | | 电位器 | 精密电位器，502（5k）3296W顶调 | 380 | 个 |  |  | | | **7** | | 微动开关 | 6\*6\*4.3（一包50只） | 76 | 包 |  |  | | | **8** | | 蜂鸣器 | 电磁式有源分体式 YMD-12095-G | 190 | 个 |  |  | | | **9** | | 贴片电容 | 0805贴片电容，50V，104（100nf）（一包100个） | 4 | 包 |  |  | | | **10** | | 贴片电容 | 0805贴片电容，50V，106（10uf）（一包100个） | 4 | 包 |  |  | | | **11** | | 单排排针 | 间隔2.54mm,40p(一包200条) | 4 | 包 |  |  | | | **12** | | 单排座 | 间隔2.54mm,方孔4p | 1520 | 条 |  |  | | | **13** | | 单排座 | 间隔2.54mm,方孔6p | 380 | 条 |  |  | | | **14** | | 单排座 | 间隔2.54mm,方孔8p | 190 | 条 |  |  | | | **15** | | 单排座 | 间隔2.54mm,方孔16p | 190 | 条 |  |  | | | **16** | | 单排座 | 间隔2.54mm,方孔20p | 190 | 条 |  |  | | | **17** | | 单排圆孔排座 | 间隔2.54mm,40p | 50 | 条 |  |  | | | **18** | | 电源稳压芯片 | AMS1117-3.3 ，SOT-223 贴片 | 190 | 个 |  |  | | | **19** | | 拨动开关 | 2档3脚 SS-12D00 | 190 | 个 |  |  | | | **20** | | 三极管 | 8550，TO-92封装晶体管，直插式（1包50个） | 4 | 包 |  |  | | | **21** | | 单片机下载线 | STC单片机51程序自动下载线 USB转TTL免手动冷启编程器STCISP烧录 | 5 | 个 |  |  | | | **22** | | 电子元件盒 | 双层，长宽高（225\*135\*110） | 3 | 个 |  |  | | | **23** | | 杜邦线 | 母对母，40P双头彩色排线连接线21cm | 20 | 条 |  |  | | | **24** | | 杜邦线 | 母对母，40P双头彩色排线连接线10cm | 20 | 条 |  |  | | | **25** | | 杜邦线 | 母对公，40P双头彩色排线连接线21cm | 10 | 条 |  |  | | | **26** | | 杜邦线 | 公对公，40P双头彩色排线连接线21cm | 10 | 条 |  |  | | | **27** | | USB数据延长线 | 公对母，长1m | 6 | 条 |  |  | | | **28** | | IC插座 | DIP40 宽体 | 180 | 个 |  |  | | | **29** | | 4位数码管 | 共阴0.36寸 | 40 | 个 |  |  | | 单片机技术应用课程综合实践项目 | | | **30** | | 四频GSM/GPRS通信模块 | Air208，IoT S7开发板 | 2 | 个 |  |  | | | **31** | | LoRaWAN节点模块 | ASR6501开发板Cortex-M0+ SX1262，云控制AT透传 | 2 | 个 |  |  | | | **32** | | LoRa无线收发模块 | CMT2300A 433MHz | 2 | 个 |  |  | | | **33** | | LoRa无线收发模块 | Sx1278温湿度报警/18B20 Si7201，23\*36mm，接口间距2.54 | 2 | 个 |  |  | | | **34** | | ESP32-CAM摄像头开发板 | WiFi+蓝牙模块/串口转Wifi/物联网 | 2 | 个 |  |  | | | **35** | | GPS北斗导航双模定位模块 | BG002-T带陶瓷天线无线数据传 | 2 | 个 |  |  | | | **36** | | RC-522 IC卡感应模块 | RFID射频识别，标准S50空白卡一张，S50异形卡一个（如图所示的钥匙扣形状，直排、弯排插针各一条； | 10 | 套 |  |  | | | **37** | | DHT11温湿度WiFi节点模块 | ESP8266/ESP-01 | 10 | 个 |  |  | | | **合计** | | | | | | | | | | | | **表9、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | CD4511八路数显抢答器套件 8路 技能竞赛 实训 DIY散件 | CD4511八路数显抢答器套件 8路 技能竞赛 实训 DIY散件 | 27 | 套 |  |  | | 抢答器 | | | **2** | | NE555多路波形发生器 正弦波 三角波 方波 锯齿波 电子制作套件 | NE555多路波形发生器 正弦波 三角波 方波 锯齿波 电子制作套件 | 27 | 套 |  |  | | 多波形电路 | | | **3** | | 金属探测器套件 | 金属探测器diy 金属探测器套件 电子套件 电子DIY 焊接练习板 | 27 | 套 |  |  | | 金属探测器 | | | **4** | | 15路彩灯控制器套件 | 15路彩灯控制器套件 1801 贴片元件焊接练习板散件 电子制作套件 | 27 | 套 |  |  | | 彩灯控制器 | | | **5** | | LM1875T单声道发烧级功放板音箱功放机pcb制作DIY套件 | LM1875T单声道发烧级功放板音箱功放机pcb制作DIY套件 | 27 | 套 |  |  | | 单声道功放 | | | **6** | | 三芯电源线 | 电源线三孔国标纯铜带插头品字尾大功率纯铜三芯**0.75平方1.5米** | 10 | 根 |  |  | | 810实训室 | | | **合计** | | | | | | | | | | | | **表10、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 瓷片电容 | 103P 50V 0.01UF 10000P 瓷片电容 磁片电容 瓷介电容 1000个 | 1000 | 个 |  |  | | 电容的识别测量与焊接 | | | **2** | | 瓷片电容 | 472 50V瓷片电容 4700P 4N7 1000个 磁片电容 | 1000 | 个 |  |  | | 电容的识别测量与焊接 | | | **3** | | 瓷片电容 | 瓷片电容 33NF (333) 50V 磁片电容 瓷介电容（一包1000个） | 1000 | 个 |  |  | | 电容的识别测量与焊接 | | | **4** | | 涤纶电容 | 涤纶电容 2A102 100V102 | 500 | 个 |  |  | | 电容的识别测量与焊接 | | | **5** | | 涤纶电容 | 涤纶电容 2A562 100V562 | 500 | 个 |  |  | | 电容的识别测量与焊接 | | | **6** | | 涤纶电容 | 涤纶电容2A333 100V333 | 500 | 个 |  |  | | 电容的识别测量与焊接 | | | **7** | | 电解电容 | 优质电解电容 16V220UF 电解电容 体积6\*12 | 500 | 个 |  |  | | 电容的识别测量与焊接 | | | **8** | | 电解电容 | 优质电解电容 16V100UF 电解电容 体积5\*11 | 500 | 个 |  |  | | 电容的识别测量与焊接 | | | **9** | | 电解电容 | 优质电解电容 25V1000UF电解电容 体积10\*17 | 500 | 个 |  |  | | 电容的识别测量与焊接 | | | **10** | | 电解电容 | 优质电解电容 25V470UF 电解电容 体积8\*12 | 500 | 个 |  |  | | 电容的识别测量与焊接 | | | **11** | | 电解电容 | 优质电解电容 50V10UF电解电容 体积5\*11 | 500 | 个 |  |  | | 电容的识别测量与焊接 | | | **12** | | 电解电容 | 优质电解电容 50V1UF电解电容 体积5\*11 | 500 | 个 |  |  | | 电容的识别测量与焊接 | | | **13** | | 电阻 | 1/4W电阻 1K 0.25W电阻 1/4W色环电阻 排带装 | 500 | 个 |  |  | | 电阻的识别测量与焊接 | | | **14** | | 电阻 | 1/4W电阻 10K 0.25W电阻 1/4W色环电阻 排带装 | 500 | 个 |  |  | | 电阻的识别测量与焊接 | | | **15** | | 电阻 | 金属膜 1/4W电阻 4.7K 1%精度五色环 0.25W电阻 直插电阻 | 500 | 个 |  |  | | 电阻的识别测量与焊接 | | | **16** | | 电阻 | 碳膜电阻 色环电阻 电阻器 1/2W电阻 0.5W电阻 100欧 | 500 | 个 |  |  | | 电阻的识别测量与焊接 | | | **17** | | 电阻 | 碳膜电阻 色环电阻 电阻器 1/2W电阻 0.5W电阻 360欧 | 500 | 个 |  |  | | 电阻的识别测量与焊接 | | | **18** | | 电阻 | 碳膜电阻 色环电阻 电阻器 1/2W电阻 0.5W电阻 5.1欧 | 500 | 个 |  |  | | 电阻的识别测量与焊接 | | | **19** | | 电位器 | 电位器 可调电阻 蓝白可调电阻 卧式 兰白可调102（1k） | 500 | 个 |  |  | | 电阻的识别测量与焊接 | | | **20** | | 电位器 | 电位器 可调电阻 蓝白可调电阻 卧式 兰白可调103（10k） | 500 | 个 |  |  | | 电阻的识别测量与焊接 | | | **21** | | 万能板 | PCB电路板 单面喷锡板 万能板 单面镀锡板 5\*7 | 1000 | 个 |  |  | | 电阻的识别测量与焊接 | | | **22** | | 焊锡 | 700g 粗1MM 焊锡丝 优质焊锡丝 焊锡 活性焊锡丝 | 5 | 个 |  |  | | 电阻的识别测量与焊接 | | | **23** | | 白胶布 | 医用胶布透气橡皮膏白胶布纯棉布用贴裂手敷贴过敏防压敏贴布胶带 1cmX5米-10卷/盒 | 10 | 个 |  |  | | 电阻的识别测量与焊接 | | | **24** | | 小扫帚套装 | 迷你桌面扫把簸箕套装车用笤帚扫毛发垃圾铲屎神器小学生扫地扫帚 | 10 | 套 |  |  | | 电阻的识别测量与焊接 | | | **25** | | t4灯管支架 | t4灯管支架全套家用长条老式日光灯架20w长度53cm | 15 | 套 |  |  | | 日光灯电路 | | | **26** | | 路由器 | TP-LINK双频5G路由器 tplink双频路由器 1900M无线家用穿墙高速wifi ap穿墙王光纤宽带智能5G 千兆无线速率 | 1 | 个 |  |  | | 810实训室 | | | **27** | | 5号1.5V电池 | 全新升级 聚能环2代 电量更多25% | 48 | 个 |  |  | | 电路焊接 | | | **28** | | 7号1.5V电池 | 全新升级 聚能环2代 电量更多25% | 24 | 个 |  |  | | 电路焊接 | | | **29** | | 发光二极管 | 3MM 绿发绿 高亮 发光管 LED 发光二极管 1000只 | 1 | 包 |  |  | | 电路焊接 | | | **30** | | 电子线仔 | 线仔 电子线 连接线双头镀锡 红连接线100MM | 1000 | 根 |  |  | | 电路焊接 | | | **31** | | 电子线仔 | 线仔 电子线 连接线双头镀锡 黑连接线100MM | 1000 | 根 |  |  | | 电路焊接 | | | **32** | | BNC测试线 | 纯铜BNC转鳄鱼夹测试线 Q9双夹线示波器连接线Y101普通 | 20 | 根 |  |  | | 焊接测试 | | | **33** | | 万用表表笔 | 指针万用表MF47型表笔3mm插孔老式47型表棒47型测试笔 万用表表笔 | 20 | 副 |  |  | | 焊接测试 | | | **34** | | 示波器探头 | 通用BNC示波器探头20MHz示波器探笔P6100探头配件测试钩地线 | 10 | 根 |  |  | | 焊接测试 | | | **35** | | 探头接地线 | 通用BNC示波器探头接地线 | 20 | 根 |  |  | | 焊接测试 | | | **合计** | | | | | | | | | | | | **表11、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | LED交通信号灯 | 5V红绿灯发光模块 | 20 | 个 |  |  | | 智能家居电路 | | | **2** | | 水银开关 | 3针，KY-017 | 30 | 个 |  |  | | | **3** | | 有源蜂鸣器 | 通用，电磁式蜂鸣器5V 采用SOT塑封管 5V有源蜂鸣器 | 20 | 个 |  |  | | | **4** | | 无源蜂鸣器 | 通用，5V | 20 | 个 |  |  | | | **5** | | 光敏电阻 | 4针 光敏电阻传感器 | 20 | 个 |  |  | | | **6** | | 声音传感器 | 高灵敏度，模拟量声音，内置386模块，感应距离最远2米 | 15 | 个 |  |  | | | **7** | | 继电器拓展板 | 5V低电平触发 | 15 | 个 |  |  | | | **8** | | 霍尔磁力传感器 | 3144E霍尔磁力传感器模块 KY-003 | 20 | 个 |  |  | | | **9** | | 磁铁 | 长方形，磁片20\*10\*5 | 30 | 个 |  |  | | | **10** | | 烟雾气敏传感器 | 4针，MQ-2烟雾气敏传感器模块 | 15 | 个 |  |  | | | **11** | | 下载器 | 5代STC全系列单片机自动编程器免冷启动下载USB转TTL | 2 | 个 |  |  | | | **12** | | 主板连接线 | PH2.0(3P)转杜邦2.54母头,1分3，长200mm | 60 | 根 |  |  | | | **13** | | 主板连接线 | PH2.0(4P)转杜邦2.54母头,1分4，长200mm | 40 | 根 |  |  | | | **14** | | 零件盒 | 28格 | 4 | 个 |  |  | | | **15** | | 雨滴传感器 | 5\*40cm | 20 | 个 |  |  | | | **16** | | arduino智能小车散件 | 具有红外避障、红外寻迹、红外遥控；H套餐，需提供完整资料 | 16 | 套 |  |  | | 智能小车电路散件 | | | **17** | | arduino智能小车散件 | 具有超声波避障,舵机云台，A套餐，需提供完整资料 | 2 | 套 |  |  | | | **合计** | | | | | | | | | | | | **表12** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | LED交通信号灯 | 5V红绿灯发光模块 | 20 | 个 |  |  | | 防盗报警电路 | | | **2** | | 水银开关 | 3针，KY-017 | 20 | 个 |  |  | | | **3** | | 有源蜂鸣器 | 通用，电磁式蜂鸣器5V 采用SOT塑封管 5V有源蜂鸣器 | 20 | 个 |  |  | | | **4** | | 无源蜂鸣器 | 通用，5V | 20 | 个 |  |  | | | **5** | | 按键 | 1位按键开关模块电路，3针 | 20 | 个 |  |  | | | **6** | | 光敏电阻 | 4针 光敏电阻传感器 | 20 | 个 |  |  | | 声光控、人体感应灯电路 | | | **7** | | 声音传感器 | 高灵敏度，模拟量声音，内置386模块，感应距离最远2米 | 20 | 个 |  |  | | | **8** | | 热释电人体红外传感器 | 微型人体感应，DC2.7-12V，延时时间:2秒，封锁时间:2秒；感应范围:≤100度锥角,3-5米 | 20 | 个 |  |  | | | **9** | | 继电器拓展板 | 5V，低电平触发 | 20 | 个 |  |  | | | **10** | | 霍尔磁力传感器 | 3144E霍尔磁力传感器模块 KY-003 | 20 | 个 |  |  | | | **11** | | 霍尔磁力传感器 | 49E霍尔磁力传感器模块 KY-003 | 20 | 个 |  |  | | | **12** | | 磁铁 | 长方形，磁片20\*10\*5 | 20 | 个 |  |  | | | **13** | | 火焰传感器 | 4针，3.3V-5V，探测距离80cm，角度60 | 20 | 个 |  |  | | | **14** | | 烟雾气敏传感器 | 4针，MQ-2烟雾气敏传感器模块 | 20 | 个 |  |  | | | **15** | | 红外无线遥控 | 1838 ，带接收遥控板，带红外发射二极管，带CR2025环保纽扣电池，容量160mah | 20 | 套 |  |  | | | **16** | | 漫反射式红外光电开关 | TCRT5000反射型光电开关 | 20 | 个 |  |  | | | **17** | | 超声波传感器 | HC-SR04超声波模块 | 20 | 个 |  |  | | | **18** | | arduino开发板 | UNO R3 | 20 | 个 |  |  | | | **合计** | | | | | | | | | | | | **表13、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 一次性呼吸膜 | 50片装/盒 | 2 | 盒 |  |  | | 电工作业 | | | **2** | | 手提干粉灭火器 | 2KG | 2 | 瓶 |  |  | | | **3** | | 手提二氧化碳灭火器 | 2KG | 1 | 瓶 |  |  | | | **4** | | 脉冲点火器 | ZB10318 | 1 | 个 |  |  | | | **5** | | 煤油 | 355ML | 1 | 瓶 |  |  | | | **合计** | | | | | | | | | | | | **表14、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | 1 | | 5kg工业机器人吸盘HRS605 | HRS605 | 15 | 个 |  |  | | 工业机器人 | | | 2 | | 12kg工业机器人末端执行器 | 夹具、吸盘（为1套） | 3 | 套 |  |  | | | **合计** | | | | | | | | | | | | **表15、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 教学用三角板量角器圆规套装 | 磁性三角板量角器两用圆规套装 | 2 | 套 |  |  | | 教学 | | | **2** | | 机械制图模型 | 机械制图模型55件学生速成制图模具/测绘用机械制图/零件立体模型 | 7 | 套 |  |  | | 教学、测绘 | | | **3** | | 机械制图图纸 | A3[带框]加厚工程绘图图纸 | 250 | 张 |  |  | | 绘图 | | | **4** | | 机械制图图纸 | A2[带框]加厚工程绘图图纸 | 250 | 张 |  |  | | 绘图 | | | **合计** | | | | | | | | | | | | **表16、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 幼滑虾酱 | 227g/瓶 | 6 | 瓶 |  |  | | 发酵类调味品的生产技术及原理 | | | **2** | | 上等蚝油 | 700g\*3/套 | 2 | 套 |  |  | | | **3** | | 鱼露 | 750g/瓶 | 6 | 瓶 |  |  | | | **4** | | 海鲜酱油 | 500ml\*3/套 | 2 | 套 |  |  | | | **5** | | 鲍鱼汁 | 390g/套 | 6 | 套 |  |  | | | **6** | | 食用盐 | 250g\*8/套 | 2 | 套 |  |  | | 海鲜酱油、虾酱、鱼露、蚝油、鲍鱼汁生产技术 | | | **7** | | 食用焦糖色 | 1kg/瓶 | 1 | 瓶 |  |  | | | **8** | | 苯甲酸钠 | 500g/袋 | 2 | 袋 |  |  | | | **9** | | 白砂糖 | 400g\*2/套 | 4 | 套 |  |  | | | **10** | | 谷氨酸钠 | 500g /袋 | 3 | 袋 |  |  | | | **11** | | 羟丙基二淀粉磷酸酯 | 500g/袋 | 2 | 袋 |  |  | | | **12** | | 小麦粉 | 2.5kg/袋 | 1 | 袋 |  |  | | | **13** | | 5'-呈味核苷酸二钠 | 500g/袋 | 1 | 袋 |  |  | | | **14** | | 黄原胶 | 500g/袋 | 1 | 袋 |  |  | | | **15** | | 柠檬酸 | 500g/袋 | 1 | 袋 |  |  | | | **16** | | 山梨酸钾 | 500g/袋 | 1 | 袋 |  |  | | | **17** | | 非转基因黄豆 | 1.5kg/袋 | 1 | 袋 |  |  | | | **18** | | 干贝 | 250g\*2/罐 | 2 | 罐 |  |  | | | **19** | | 5'-肌苷酸二钠 | 500g/袋 | 1 | 袋 |  |  | | | **20** | | 5'-鸟苷酸二钠 | 500g/袋 | 1 | 袋 |  |  | | | **21** | | 三氯蔗糖 | 500g/袋 | 1 | 袋 |  |  | | | **22** | | 干鲍鱼 | 250g/130颗 | 3 | 盒 |  |  | | | **23** | | 小虾米 | 250g | 3 | 袋 |  |  | | | **24** | | 白酒 | 10斤 | 1 | 桶 |  |  | | | **25** | | 酿造酱油 | 1.6L\*6 | 3 | 套 |  |  | | | **26** | | 干海蛎 | 250g | 3 | 盒 |  |  | | | **合计** | | | | | | | | | | | | **表17、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 快速革兰氏染色液 | 20ml\*4 | 2 | 套 |  |  | | 染料及染液的配制技术 菌落总数的检测    大肠杆菌的检测  酵母菌及金黄葡萄球菌检验技术  常见霉菌检验技术 | | | **2** | | 平板计数琼脂培养基（PCA) | 250g | 1 | 瓶 |  |  | | | **3** | | EC肉汤培养基 大肠杆菌验证培养基 | 250g | 1 | 瓶 |  |  | | | **4** | | 微生物 LB 肉汤 | 250g | 1 | 瓶 |  |  | | | **5** | | 马铃薯葡萄糖琼脂培养基 PDA培养基 | 250g | 1 | 瓶 |  |  | | | **6** | | HBIG11 HBI 乳酸菌生化鉴定条(GB) 5 条/盒 海博 | 250g | 2 | 套 |  |  | | 乳酸菌饮料中乳酸菌检验技术 | | | **7** | | MRS肉汤 乳酸菌培养基 027312 | 250g | 1 | 瓶 |  |  | | | **8** | | 酸奶 | 200g\*16 | 5 | 套 |  |  | | | **合计** | | | | | | | | | | | | **表18、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 硫酸铜 | 分析纯AR500g | 1 | 瓶 |  |  | | 牛乳中还原糖的测定 菲林试剂直接滴定法 | | | **2** | | 次甲基蓝 | IND25g | 1 |  |  |  | | | **3** | | 酒石酸钾钠 | AR500g | 1 |  |  |  | | | **4** | | 氢氧化钠 | 500克 | 3 |  |  |  | | | **5** | | 亚铁氰化钾 | 500克 | 1 |  |  |  | | | **6** | | 乙酸锌 | 500克 | 1 |  |  |  | | | **7** | | 冰醋酸 | 500ml | 3 |  |  |  | | | **8** | | 葡萄糖 | 500g | 1 |  |  |  | | | **9** | | 盐酸 | 500ml，AR级 | 0 |  |  |  | | | **10** | | 高锰酸钾 | 500克 | 0 |  |  |  | | 白酒中甲醇的测定-品红亚硫酸比色法 | | | **11** | | 85％磷酸 | CAS号：7664-38-2 | 2 |  |  |  | | | **12** | | 无水草酸（C2H2O4） | CAS号：144-62-7 100gAR | 1 |  |  |  | | | **13** | | 两个结晶水的草酸（H2C2O2·2H2O） | CAS号：6153-56-6 | 1 |  |  |  | | | **14** | | 硫酸 | 500ml，AR级别 | 0 |  |  |  | | | **15** | | 碱性品红 | 25克 | 1 |  |  |  | | | **16** | | 亚硫酸钠 | 500克 | 1 |  |  |  | | | **17** | | 甲醇 | 500ml | 1 |  |  |  | | | **18** | | 无水乙醇 | 500nl | 5 |  |  |  | | | **19** | | 白酒 | 500ml | 1 | 箱 |  |  | | | **20** | | 活性炭 | 柱状炭散装1公斤（直径1.5mm） | 10 |  |  | |  |  | | | **21** | | 硫酸铜 | 500克 | 1 |  |  |  | | 牛乳中总氮的测定 凯氏定氮法 | | | **22** | | 硫酸钾 | 500克 | 1 |  |  |  | | | **23** | | 氢氧化钠 | 500克 | 2 |  |  |  | | | **24** | | 硼酸 | 500克 | 1 |  |  |  | | | **25** | | 浓硫酸（98%） | 500ml，AR级别 | 0 |  |  |  | | | **26** | | 盐酸 | 500ml，AR级别 | 0 |  |  |  | | | **27** | | 牛奶粉 | 400g/袋 | 2 |  |  |  | | | **28** | | 甲基红 | 25克 | 1 |  |  |  | | | **29** | | 溴甲酚绿 | 10克 | 1 |  |  |  | | 分光光度法测定海带中碘的含量 | | | **30** | | 碘酸钾 | 500克 | 1 |  |  |  | | | **31** | | 四氯化碳 | 阿拉丁 500ml | 1 |  |  |  | | | **32** | | 维生素c | 500克 | 1 |  |  |  | | | **33** | | 硫酸 | 500ml，AR级别 | 0 |  |  |  | | | **34** | | 海带 | 霞浦干海带干货500g 无沙特级厚野生天然散装福建海带头叶厚片1斤 | 1 |  |  |  | | | **35** | | H2O2 | 500ml | 5 |  |  |  | | | **36** | | 硝酸银 | 100克 | 1 |  |  |  | | 酱油中氯化钠含量的测定 | | | **37** | | 铬酸钾 | 500克 | 1 |  |  |  | | | **38** | | 酱油 | 极鲜酱油760ml特级生抽黄豆酿造酱油美味鲜 | 1 |  |  |  | | | **39** | | Nacl | 500克 | 1 |  |  |  | | | **40** | | 坩埚 | 50mL | 60 |  |  |  | | 面粉中水分含量的测定 | | | **41** | | 面粉 | 500克 | 1 |  |  |  | | | **42** | | 可乐 | 300ml | 12 |  |  |  | | 饮料中糖度的测定 | | | **43** | | 零度可乐 | 300ml | 12 |  |  |  | | | **44** | | 果汁 | 350ml | 8 |  |  |  | | | **45** | | 元气森林无糖气泡水 | 480mL | 5 |  |  |  | | | **46** | | 烧杯 | 50ml | 40 | 个 |  |  | |  | | | **47** | | 烧杯 | 200ml | 20 | 个 |  |  | | | **48** | | 药匙 | 20cm一头勺一头铲 | 6 | 个 |  |  | | | **49** | | 药匙 | 16cm单头药匙（厚款） | 6 | 个 |  |  | | | **50** | | 锥形瓶 | 100ml | 20 | 个 |  |  | | | **51** | | 锥形瓶 | 250ml | 30 | 个 |  |  | | | **52** | | 滴管 | 2ml | 100 | 支 |  |  | | | **53** | | 移液枪吸头 | 5ml长大口（配大龙） | 300 | 支 |  |  | | | **54** | | 移液枪吸头 | 200ul(黄通用) | 1000 | 支 |  |  | | | **55** | | 移液枪吸头 | 1ml(蓝通用) | 1000 | 支 |  |  | |  | | | **合计** | | | | | | | | | | | | **表19、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 卡片 | 射手版中号 | 1 | 套 |  |  | | 盗梦空间游戏 | | | **2** | | 卡片 | 党史版中号（送口哨） | 1 | 套 |  |  | | 急速60秒 | | | **合计** | | | | | | | | | | | | **表20、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 洗耳球 | 30ml | 10 | 个 |  |  | | 分析化学 | | | **2** | | 洗耳球 | 60ml | 10 | 个 |  |  | | | **3** | | 1-14广泛试纸水ph值试纸 |  | 3 | 本 |  |  | | | **4** | | 标签纸 |  | 6 | 张 |  |  | | | **5** | | 容量瓶 | 250ml | 5 | 个 |  |  | | | **6** | | 容量瓶 | 100ml | 5 | 个 |  |  | | | **合计** | | | | | | | | | | | | **表21、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 氨氮检测试纸日本共立COD总磷总氮铜铬镍锌比色管污水快速测试包 | 0.2-10 mg/L | 1 | 包 |  |  | |  | | | **2** | | 氨氮亚硝酸盐ph溶解氧总硬度检测水产养殖水质测试快速分析试剂盒 | 氨氮+亚硝酸盐+硝酸盐+余氯 | 2 | 盒 |  |  | |  | | | **3** | | 水质重金属铅检测试剂盒家用自来饮用水食品铅汞含量快速分析试纸 | 铅检测 | 2 | 盒 |  |  | |  | | | **合计** | | | | | | | | | | | | **表22、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 发粿粉 | 高级自发粉，580克/包，2包一组 | 5 | 组 |  |  | | 项目进行前2周采购 | | | **2** | | 百钻米发糕预拌粉 | 原味，速发型，200克/包 | 10 | 包 |  |  | | | **3** | | 百钻快速米发糕预拌粉 | 黑米味，速发型，200克/包 | 10 | 包 |  |  | | | **4** | | 百钻抹茶粉 | 百钻安琪酵母抹茶粉，80克/袋 | 5 | 袋 |  |  | | | **5** | | 百钻可可粉 | 百钻可可粉巧克力粉，100克/袋 | 5 | 袋 |  |  | | | **6** | | 百钻0卡糖 | 无糖代糖甜味剂，200克/袋 | 1 | 袋 |  |  | | | **7** | | 百钻绵白糖 | 优级，400克/袋 | 5 | 袋 |  |  | | | **8** | | 百钻赤砂糖 | 甘蔗糖，300克/袋 | 5 | 袋 |  |  | | | **9** | | 电磁炉 | 2200W大火力匀火188mm大线圈盘 电磁灶四重防水 RH2275 天蓝色 | 2 | 台 |  |  | |  | | | **合计** | | | | | | | | | | | | **表23、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 植物油 | 6L | 1 | 瓶 |  |  | | 油脂过氧化值、酸价测定 | | | **2** | | 面粉 | 10KG | 1 | 袋 |  |  | | 面粉水分测定 | | | **3** | | 黄油 | 454g | 20 | 块 |  |  | |  | | | **4** | | 鸡蛋 | 30枚/箱 | 5 | 箱 |  |  | | 203烹饪新生实训 | | | **5** | | 细砂糖 | 400g/袋 | 20 | 袋 |  |  | |  | | | **6** | | 底筋面粉 | 500g/袋 | 50 | 袋 |  |  | |  | | | **7** | | 糖粉 | 250g/袋 | 20 | 袋 |  |  | |  | | | **8** | | 洗衣粉 | 5KG | 2 | 袋 |  |  | | 教学楼304实验室、烹饪实训室 | | | **9** | | 洗洁精 | 2KG/瓶 | 10 | 瓶 |  |  | |  | | | **10** | | 一次性手套 | 100只装/袋 | 10 | 袋 |  |  | | 203烹饪新生实训 | | | **11** | | 保鲜膜 | 100米\*30cm | 20 | 卷 |  |  | | | **12** | | 锡纸 | 15米/卷 | 50 | 卷 |  |  | | | **13** | | 垃圾袋 | 100只/卷 | 20 | 卷 |  |  | | 教学楼304实验室、烹饪实训室 | | | **合计** | | | | | | | | | | | | **表24、 申报人:** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 1路可调寻迹避障模块 | TCRT5000循迹模块3pin | 40 | 个 |  |  | | 寻迹小车 | | | **2** | | 智能小车寻迹赛道图纸 | 机器人小车循迹赛道 双路巡线巡线跑道 寻迹轨道 红外黑白线地图2m\*1.5m大尺寸 防水布 黑线宽2CM，长10M | 1 | 个 |  |  | | | **3** | | 智能小车寻迹赛道图纸 | 机器人小车循迹赛道 三路以上巡线跑道 寻迹轨道 红外黑白线地图2m\*1.5m大尺寸 防水布 黑线宽2CM，长10M | 1 | 个 |  |  | | | **4** | | 模拟灰度传感器 | 模拟灰度传感器 循迹模块寻线传感器 电子积木 | 30 | 个 |  |  | | | **5** | | 人体感应开关 | 人体热释电红外感应模块 人体感应开关/HC-SR501 | 10 | 个 |  |  | | 智能家居 | | | **6** | | 薄木板片 | 实木板椴木层板合成板，21\*30\*3MM， | 40 | 张 |  |  | | | **7** | | 亚克力板 | 亚克力板，20\*30\*3mm | 40 | 张 |  |  | | | **8** | | 模型YDZ胶水 | ABS板速粘胶强力创意胶泡沫胶 模型胶水ydz胶,35ML | 5 | 支 |  |  | | | **9** | | 勾刀 | 有机玻璃ABS板亚克力板材钩刀勾刀，155\*30mm | 5 | 支 |  |  | | | **合计** | | | | | | | | | | | | **表25、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 贴片焊接训练套件 | 板子大小：90\*60MM 板子厚度：1.6mm，元件数量：125个，焊点数量：274个，左右各3列元件是用来练习焊接的，每列都带有测试点。 中间圆形的电路为流水灯电路，由CD4017、NE555、发光二极管组成，焊接无误后通电即可工作。 电路背面也利用上了，有标尺，方便测量元件。有PCB导线实例，方便PCB设计使用。 电路工作电压3~12V。含元器件和PCB板 | 44 | 套 |  |  | | 贴片焊接 | | | **2** | | FM微型贴片收音机套件 | 本套件采用电调谐单片FM集成电路，调谐方便准确，接收灵敏度较高，外形小巧，携带方便；电压1.8-3.5v,内设静音电路，抑制调谐过程的噪音；还采用特殊低中频70KHz技术，省去中频变压器及陶瓷滤波器，电路简单可靠，调试方便。配有详细的实习指导书及电子版教学课件 | 44 | 套 |  |  | | 贴片收音机组装与调试 | | | **3** | | 半双工对讲机套件 对讲机电子套件 | 本对讲机是一款专用的对讲机，发射频率是49.8MHz，2套对讲机构成一对，使用时用9V层叠电池。建议买家买一对，单只是不能单独使用的电路简洁，整机制作比较容易，装配成功率高，通话距离最远100米，具有声音大，音质好等优点，适合有一定电子基础的爱好者及职业技术学校电子实训安装，本套件不含电池的，需要购买电子的话，点击下面的链接。一套两个 | 23 | 套 |  |  | | 对讲机组装与调试 | | | **合计** | | | | | | | | | | | | **表26、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 红外遥控模块 | 红外遥控模块+接收头HX1838+NEC编码 红外遥控器 | 35 | 个 |  |  | | 智能控制LED、  倒计时交通灯 | | | **2** | | 蓝牙模块HC06 | HC-06串口蓝牙从机模块 串口透传/通讯 智能小车 | 12 | 个 |  |  | |  | | | **3** | | LED交通信号灯模块 | LED交通信号灯模块 红绿灯发光模块 5V电子积木 | 30 | 个 |  |  | |  | | | **4** | | R3 UNO 开发板 | R3 UNO 开发板 改进版本 送线 送排针 | 12 | 个 |  |  | |  | | | **5** | | 4位数码管显示模块 | TM1637 4位数码管显示模块 LED亮度可调 带时钟点 积木 | 25 | 个 |  |  | |  | | | **合计** | | | | | | | | | | | | **表27、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | MF47改进型万用电表组装套件 | 本套散件是MF47改进型万用电表，在保留原有可供测量直流电流、交直流电压、直流电阻等功能的基础上将交流电压灵敏度提高到9K/V。该表又新增直流电容测量、压降（稳压）参数（LV）测量、1.2V-3.6V电池电力测量、及电视机行管直流电压准确测量、防误测双重保护等新型功能。使该表更适合于从事电脑、电器设备、电子仪器、家用电器、工厂、学校的科研、生产和维护使用。电容量直接测试 1.2V-3.6V电池电力测量 标准电阻箱应用 电视机行电压测量  外形尺寸：165×112×49mm  　重量：0.42kg 　测试环境：温度23℃±2℃ 湿度：40%-60%RH  使用环境：温度0-40℃ 湿度：25%-75%RH。配套说明书 | 320 | 套 |  |  | | 指针式万用表组装与调试 | | | **2** | | 五号电池 | 5号电池碳性五号干电池40粒 | 2 | 盒 |  |  | |  | | | **3** | | 9伏电池 | 9V电池碳性9伏，10粒 | 3 | 盒 |  |  | |  | | | **合计** | | | | | | | | | | | | **表28、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 电子元件盒 | 双层，长宽高（225\*135\*110） | 3 | 个 |  |  | | 计算机控制技术训 | | | **2** | | 杜邦线 | 母对母，40P双头彩色排线连接线21cm | 20 | 条 |  |  | | | **3** | | 杜邦线 | 母对母，40P双头彩色排线连接线10cm | 20 | 条 |  |  | | | **4** | | 杜邦线 | 母对公，40P双头彩色排线连接线21cm | 10 | 条 |  |  | | | **5** | | 杜邦线 | 公对公，40P双头彩色排线连接线21cm | 10 | 条 |  |  | | | **6** | | pyAI- K210模块AI人工智能 人脸识别 机器视觉 Python深度学习模块 | 官方推荐套件 | 5 | 套 |  |  | | | **7** | | 杜邦线 | 母对母 双头带座子 2.54MM 8P 20CM连接线 | 5 | 件/2条 |  |  | | 专业综合实训与课程实训 | | | **8** | | 杜邦线 | 母对母 双头带座子 2.54MM 4P 20CM连接线 | 2 | 件/6条 |  |  | | | **9** | | usb3.0扩展器转换接头多口 | 高速合金3.0款深空灰0.5m | 1 | 条 |  |  | | | **10** | | usb3.0扩展器转换接头多口 | 2.0款黑色带供电口2米 | 1 | 条 |  |  | | | **11** | | 烙铁架 | 旗舰版：放大镜带灯、辅助夹具带烙铁架、焊接放大镜工作台、维修台灯 | 4 | 套 |  |  | | | **合计** | | | | | | | | | | | | **表29、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 标签贴纸 | 840枚13×38mm不干胶标签贴纸自粘性标贴 14枚/张33209 60张 | 12 | 包 |  |  | | 实训室耗材 | | | **2** | | 剪刀 | 特氟龙材质防粘不锈钢剪刀 橙色6055 | 3 | 把 |  |  | | | **3** | | 插座 | 20WPD苹果快充魔方插座/插线板/插排/接线板 Type-c口+USB口+3插孔 全长1.5米黑色 GNV-UU2203H | 6 | 个 |  |  | | | **4** | | 烙铁架 | 旗舰版：放大镜带灯、辅助夹具带烙铁架、焊接放大镜工作台、维修台灯 | 4 | 套 |  |  | | | **合计** | | | | | | | | | | | | **表30、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 交换机8口 | 8口、TP-LINK、全千兆 | 1 | 个 |  |  | | 实验室维护 | | | **2** | | 鼠标 | 无声音usb针光有线鼠标 | 6 | 个 |  |  | |  | | | **3** | | USB键盘 | KR-92薄膜有线usb键盘、台式 | 5 | 个 |  |  | |  | | | **合计** | | | | | | | | | | | | **表31、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 全彩驱动25位彩灯板 | WS2812B 5\*5位 5050 RGB LED | 50 | 块 |  |  | | 新生实训 | | | **2** | | 杜邦线（排） | 母对母 20CM 40P彩色杜邦线 | 30 | 排 |  |  | | 新生实训 | | | **合计** | | | | | | | | | | | | **表32、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 15路彩灯控制器套件 | 1801 贴片元件焊接练习板散件 | 140 | 套 |  |  | | 贴片拆焊实训 | | | **2** | | 贴片旋转流水灯焊接套件 | PCB板+零件 | 140 | 套 |  |  | | | **3** | | 高级全贴片焊接练习板 | 套件+QFP44芯片 | 140 | 套 |  |  | | | **4** | | 全贴片焊接练习板 | 增强型SMT训练专用 | 140 | 套 |  |  | | | **5** | | NE555+CD4017流水灯套件 | 未焊接好套件 | 140 | 套 |  |  | | | **合计** | | | | | | | | | | | | **表33、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 便携式显示器 | 触摸屏幕、软件设计 | 1 | 台 |  |  | | 物联网软件设计 | | | **2** | | 智能物联网模块 | ESP8266 wifi机智云开发板 | 40 | 块 |  |  | | 物联网软件设计 | | | **3** | | ESP32-S2物联网模块 | 灰色带高清屏 | 10 | 块 |  |  | | 物联网软件设计 | | | **合计** | | | | | | | | | | | | **表34、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 时钟模块 | DS1302 实时时钟模块 带电池CR2032 掉电走时 | 60 | 个 |  |  | | 科技教育编程与制作 | | | **2** | | 红外遥控 | 黑色 红外无线遥控套件 遥控机器人 遥控器模块(遥控器+接收板) 带电池 | 60 | 套 |  |  | | | **3** | | 温湿度模块 | DHT11 湿度模块 温湿度模块 传感器 数字开关送杜邦线 | 50 | 个 |  |  | | | **4** | | 液晶屏 | 黄绿屏 1602A 液晶屏 5V LCD 带背光 IIC | 50 | 个 |  |  | | | **5** | | 蓝牙模块 | 无线蓝牙串口透传模块 HC-06从机蓝牙模块 | 20 | 个 |  |  | | | **6** | | RGB彩灯条 | WS2812 5050 RGB LED内置全彩驱动幻彩灯开发板模块 黑色直条8位 | 60 | 个 |  |  | | | **7** | | 交通灯模块 | LED交通信号灯模块 5V 红绿灯发光模块 | 40 | 个 |  |  | | | **8** | | 流水灯模块 | 5050 RGB全彩/LED流水灯模块 | 20 | 个 |  |  | | | **9** | | 超声波模块 | 超声波测距模块 HC-SR04 超声波传感器 | 30 | 个 |  |  | | | **10** | | 舵机 | 经典舵机 SG90 9g舵机 固定翼航模遥控飞机 9克 航模 25CM | 50 | 个 |  |  | | | **合计** | | | | | | | | | | | | **表35、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | WiFi模块 | ESP8266 开发板 测试板 无线WIFI模块 | 55 | 个 |  |  | | WiFi实验 | | | **2** | | NRF24L01无线模块 | NRF24L01无线模块 2.4G无线数传通信模块 | 55 | 个 |  |  | | 无线通信实验 | | | **3** | | 三轴磁场传感器模块 | 普中 HMC5883L模块 电子指南针罗盘实验板 三轴磁场传感器模块 | 55 | 个 |  |  | | 电子指南针罗盘实验板 | | | **4** | | 摄像头模块 | ov7670摄像头模块带FIFO 单片机 拍照 电子采集模组板 STM32驱动 | 55 | 个 |  |  | | 摄像头实验 | | | **5** | | 杜邦线 | 40P彩色杜邦线 线长20cm 母对母 铜芯排线 | 55 | 组 |  |  | | 各个实验用 | | | **合计** | | | | | | | | | | | | **表36、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 色环电阻 | (100个) 390Ω 阻值 1/4W(0.25瓦) 金属膜色环电阻 | 10 | 包 |  |  | | 三人表决器 | | | **2** | | 色环电阻 | (100个) 200Ω 阻值 1/4W(0.25瓦) 金属膜色环电阻 | 10 | 包 |  |  | | | **3** | | 色环电阻 | (100个) 2KΩ 阻值 1/4W(0.25瓦) 金属膜色环电阻 | 10 | 包 |  |  | | | **4** | | 按键开关 | 直插 4脚 6\*6\*5mm微动开关 轻触开关 6x6x5mm 按键开关 | 210 | 个 |  |  | | | **5** | | 74LS00 | SN74LS00芯片 DIP-14直插 | 35 | 个 |  |  | | | 6 | | 74LS10 | SN74LS10芯片 DIP-14直插 | 35 | 个 |  |  | | | 7 | | 集成管脚座14脚 | 14PIC | 140 | 个 |  |  | | | **8** | | 发光二极管LED | 5mm 长脚 红发红光 (30个)[红色外壳2.2V] | 10 | 包 |  |  | | | **9** | | 色环电阻 | (100个) 10KΩ 阻值 1/4W(0.25瓦) 金属膜色环电阻 | 10 | 包 |  |  | | | **10** | | 色环电阻 | (100个) 100KΩ 阻值 1/4W(0.25瓦) 金属膜色环电阻 | 10 | 包 |  |  | | | **11** | | 色环电阻 | (100个) 150KΩ 阻值 1/4W(0.25瓦) 金属膜色环电阻 | 10 | 包 |  |  | | | **12** | | 电解电容 | 25V 10uF 体积4X7mm (50个) | 10 | 包 |  |  | | | **13** | | 瓷片电容 | 103（10nf）（100只） | 10 | 包 |  |  | | | **14** | | 电解电容 | 16V 100uF 体积5x11mm (50个) | 10 | 包 |  |  | | | **15** | | 八脚集成插座 | 8PIC | 140 | 个 |  |  | | | **16** | | 扬声器 | 0.5W,8Ω，圆形50MM全频喇叭 | 10 | 个 |  |  | | | **17** | | 面包板 | MB102 ，5.5×16.5×0.85cm 孔数：830孔 | 140 | 块 |  |  | | | **18** | | 标签贴纸 | 19\*23mm【01-红色】10包100张 | 10 | 包 |  |  | | | **19** | | 排针 | 铁针 单排针1\*40P 黑色(10条) | 50 | 条 |  |  | | | **20** | | 面包板插线 | 红色1.4mm电子线 铜丝0.6mm（5米） | 40 | 卷 |  |  | | | **21** | | 面包板插线 | 黑色1.4mm电子线 铜丝0.6mm（5米） | 40 | 卷 |  |  | | | **合计** | | | | | | | | | | | | **表37、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 电池 | 5号,1.5V | 100 | 粒 |  |  | | 万用表电池 | | | **2** | | 电池 | 7号,1.5V | 100 | 粒 |  |  | | 万用表电池 | | | **3** | | 三相干式变压器SG-500VA | 输出电压380V | 2 | 台 |  |  | | 实训台变压器备用 | | | **4** | | PCB打印硒鼓 | PCB激光打印硒鼓（适用于Color Laser Jet Pro MFP M479dw、M435nw、M227fdw等） | 10 | 个 |  |  | | PCB电路板打印 | | | **合计** | | | | | | | | | | | | **表38、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | PLC测试灯笼线 | 1M长,红色 | 200 | 根 |  |  | | PLC实验箱耗材 | | | **2** | | PLC测试灯笼线 | 1M长，黑色 | 200 | 根 |  |  | | | **3** | | PLC测试灯笼线 | 10CM长，黑色 | 200 | 根 |  |  | | | **合计** | | | | | | | | | | | | **表39、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 开关面板 | 开关插座五孔16A面板86型 | 25 | 个 |  |  | | 照明电路安装实训 | | | **2** | | 开关面板 | 开关插座单控三孔16A面板86型 | 25 | 个 |  |  | | | **3** | | 开关面板 | 开关插座单控五孔16A面板86型 | 25 | 个 |  |  | | | **4** | | 开关面板 | 开关面板二开单控86型 | 25 | 个 |  |  | | | **5** | | 开关面板 | 开关面板二开双控86型 | 25 | 个 |  |  | | | **6** | | 开关盒 | 开关盒86型 | 60 | 个 |  |  | | | **7** | | 小型断路器空开 | NBE7（400V、32A）、4P | 20 | 个 |  |  | | | **8** | | 断路器导轨 | 国标1.0 14公分长 | 40 | 条 |  |  | | | **9** | | 封闭式熔断器底座 | RT28N-32X(500V~32A)\1P | 30 | 个 |  |  | | | **10** | | 节能灯 | 10W | 30 | 个 |  |  | | | **11** | | 节能底座 | 适用于10W节能灯 | 30 | 个 |  |  | | | **12** | | 塑料绝缘导线（单股铜芯软线）（黄色、绿色、红色、蓝色） | 单股线，1平方毫米，长100米 | 6 | 捆 |  |  | | | 合计 | | | | | | | | | | | | **表40**、 | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | LED交通信号灯 | 5V红绿灯发光模块 | 10 | 个 |  |  | | 防盗报警电路 | | | **2** | | 水银开关 | 3针，KY-017 | 10 | 个 |  |  | | | **3** | | 有源蜂鸣器 | 通用，电磁式蜂鸣器5V 采用SOT塑封管 5V有源蜂鸣器 | 10 | 个 |  |  | | | **4** | | 无源蜂鸣器 | 通用，5V | 10 | 个 |  |  | | | **5** | | 按键 | 1位按键开关模块电路，3针 | 10 | 个 |  |  | | | **6** | | 光敏电阻 | 4针 光敏电阻传感器 | 10 | 个 |  |  | | 声光控、人体感应灯电路 | | | **7** | | 声音传感器 | 高灵敏度，模拟量声音，内置386模块，感应距离最远2米 | 10 | 个 |  |  | | | **8** | | 热释电人体红外传感器 | 微型人体感应，DC2.7-12V，延时时间:2秒，封锁时间:2秒；感应范围:≤100度锥角,3-5米 | 10 | 个 |  |  | | | **9** | | 继电器拓展板 | 5V，低电平触发 | 10 | 个 |  |  | | | **10** | | 霍尔磁力传感器 | 3144E霍尔磁力传感器模块 KY-003 | 10 | 个 |  |  | | | **11** | | 霍尔磁力传感器 | 49E霍尔磁力传感器模块 KY-003 | 10 | 个 |  |  | | | **12** | | 磁铁 | 长方形，磁片20\*10\*5 | 10 | 个 |  |  | | | **13** | | 火焰传感器 | 4针，3.3V-5V，探测距离80cm，角度60 | 10 | 个 |  |  | | | **14** | | 烟雾气敏传感器 | 4针，MQ-2烟雾气敏传感器模块 | 10 | 个 |  |  | | | **15** | | 红外无线遥控 | 1838 ，带接收遥控板，带红外发射二极管，带CR2025环保纽扣电池，容量160mah | 10 | 套 |  |  | | | **16** | | 漫反射式红外光电开关 | TCRT5000反射型光电开关 | 10 | 个 |  |  | | | **17** | | 超声波传感器 | HC-SR04超声波模块 | 10 | 个 |  |  | | | **18** | | arduino开发板 | UNO R3 | 15 | 个 |  |  | | | 合计 | | | | | | | | | | | | **表41、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 小型断路器空开 | NBE7（400V、32A）、4P | 10 | 个 |  |  | | 电气控制技术 | | | **2** | | 断路器导轨 | 国标1.0 14公分长 | 40 | 条 |  |  | | | **3** | | 封闭式熔断器底座 | RT28N-32X(500V~32A)\1P | 30 | 个 |  |  | | | **4** | | 热继电器 | JR36-20 | 30 | 个 |  |  | | | **5** | | 接线端子 | RJ3(TB)-2512L（600V/25A）12位端子 | 20 | 排 |  |  | | | **6** | | 塑料绝缘导线 （多股铜芯软线） （黄色1捆、绿色1捆、红色1捆、蓝色2捆） | 多股线，1.5平方毫米， 长100米 | 5 | 捆 |  |  | | | **7** | | 交流接触器 | CJX2-1810 常开-220V | 10 | 个 |  |  | | | **8** | | 控制按钮开关(三个复合按钮，三对常开、三对常闭) | LA4-3H（380V5A） | 20 | 个 |  |  | | | **9** | | RX20-T大功率瓷管-珐琅管形滑动变阻器 | ZG11-150A-150Ω | 10 | 个 |  |  | | | **10** | | ZP10A 整流二极管 10A1600V 整流器 2CZ10A 整流管 100-2000V | ZP10A | 20 | 个 |  |  | | | **11** | | 时间继电器底座 | 继电器底座 CZF08A | 30 | 个 |  |  | | | 合计 | | | | | | | | | | | | **表42**、 | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 双头保护套4mm高压测试线非收缩全铜香蕉插头线 | 双头1米长（颜色黄、绿、红、黑）(每个颜色各10根) | 40 | 根 |  |  | | 电力电子技术 | | | **2** | | KP5A 可控硅 晶闸管 KP5A 1600V 螺旋式晶闸管 3CT5A 100-2000V | KP5A | 30 | 个 |  |  | | | **3** | | in5408整流二极管 | 3A/1000V | 100 | 个 |  |  | | | **4** | | 24V直流电动机 | 24V 150W 7000转/分钟 | 2 | 台 |  |  | | | **5** | | PWM直流电机调速器 | 20A | 2 | 只 |  |  | | | **6** | | 铝合金板 | 5\*300\*300mm | 6 | 张 |  |  | | | **7** | | 铝合金板 | 3\*300\*300mm | 10 | 张 |  |  | | | **8** | | 亚克力板 | 5\*300\*400mm | 10 | 张 |  |  | | | **9** | | 亚克力板 | 3\*300\*400mm | 10 | 张 |  |  | | | **10** | | 开关电源 | 12V30A | 1 | 台 |  |  | | | **11** | | 开关电源 | 24V15A | 1 | 台 |  |  | | | **12** | | 电源模块 | LM2596稳压可调降压电源模块带电压表显示 输入电压：2.5~35V 输出电压1.25V~35V 输出电流3A | 5 | 块 |  |  | | | **13** | | 19V聚合物锂电池组 | 19V 12000mAh | 2 | 只 |  |  | | | **14** | | 12V聚合物锂电池组 | 12V 10000mAh | 2 | 只 |  |  | | | **15** | | 18650锂电芯 | 三洋平头3400mAh | 10 | 只 |  |  | | | **16** | | 21V锂电池充电器 | 21V 3A 1.5米线长 通用5521 | 1 | 只 |  |  | | | **17** | | 电阻包 | 1/4W金属膜电阻 122种常见 每种10只 | 1 | 包 |  |  | | | **18** | | 铸铝防水接线盒 | 111\*64\*37mm | 4 | 只 |  |  | | | **19** | | DC-099电源插座 | 5.5\*2.1mm | 20 | 只 |  |  | | | **20** | | 19mm金属按钮开关 | 24V自锁、绿色灯、平头 | 10 | 只 |  |  | | | **21** | | 3PDT按钮开关 | 3PDT 9脚金属按钮开关 | 10 | 只 |  |  | | | **22** | | 6.35单声母座 | 6.35单声道母座 | 20 | 只 |  |  | | | **23** | | 特氟龙镀银线 | 0.5平方100米黑色 | 1 | 卷 |  |  | | | **24** | | 防水接线盒 | 158\*90\*60mm | 10 | 只 |  |  | | | **25** | | 防水接线盒 | 200\*120\*75mm | 6 | 只 |  |  | | | **26** | | 防水接线盒 | 115\*90\*55mm | 10 | 只 |  |  | | | **27** | | 发烧纯铜6.35大二芯音频插头 | 6.35大二芯直头 | 20 | 只 |  |  | | | **28** | | -2C 两芯屏蔽音频线 | -2C 两芯屏蔽音频线 128网亚光罴 | 30 | 米 |  |  | | | **合计、** | | | | | | | | | | | | **表43、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 5kg工业机器人吸盘HRS605 | HRS605 | 15 | 个 |  |  | | 工业机器人 | | | **2** | | 20kg工业机器人末端执行器 | 夹具、吸盘（为1套） | 3 | 套 |  |  | | | **合计** | | | | | | | | | | | | **表44**、 | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 高压绝缘手套 | 耐高压，均码，>380v | 40 | 副 |  |  | | 实训室维护 | | | **2** | | 消毒用酒精 | 95%纯度，500ml | 3 | 瓶 |  |  | | | **3** | | 桌角透明防撞角 | T型，24支装 | 5 | 组 |  |  | | | **4** | | 尼龙塑料扎 | 4\*200，500条 | 2 | 组 |  |  | | | **5** | | 瓷片电容 | 47NF (473) 50V 瓷介电容 | 1000 | 个 |  |  | | | **6** | | 瓷片电容 | 68NF (683)50V 磁片电容 瓷介电容 | 1000 | 个 |  |  | | | **7** | | 瓷片电容 | 0.1UF (104) 50V 瓷介电容 | 1000 | 个 |  |  | | | **8** | | 瓷片电容 | 0.01UF (103) 50V 瓷介电容 | 1000 | 个 |  |  | | | **9** | | 涤纶电容 | 2A104 | 500 | 个 |  |  | | | **10** | | 涤纶电容 | 2A392 | 500 | 个 |  |  | | | **11** | | 涤纶电容 | 2A154 | 500 | 个 |  |  | | | **12** | | 涤纶电容 | 2A563 | 500 | 个 |  |  | | | **13** | | 涤纶电容 | 2A333 | 500 | 个 |  |  | | | **14** | | 涤纶电容 | 2A822 | 500 | 个 |  |  | | | **15** | | 电解电容 | 50V/470UF | 500 | 个 |  |  | | | **16** | | 电解电容 | 1uF/50V | 500 | 个 |  |  | | | **17** | | 电解电容 | 2.2uF/50V | 500 | 个 |  |  | | | **18** | | 电解电容 | 4.7uF/50V | 500 | 个 |  |  | | | **19** | | 电解电容 | 10uF/50V | 500 | 个 |  |  | | | **20** | | 电解电容 | 2200uF/50V | 200 | 个 |  |  | | | **21** | | 贴片电容 | 贴片电解电容 35V220UF 体积8\*10 贴片电容 | 500 | 个 |  |  | | | **22** | | 电阻 | 直插式金属膜电阻 1/4W 1% 四色环 10K | 500 | 个 |  |  | | | **23** | | 电阻 | 直插式金属膜电阻 1/4W 1% 四色环 2.2千欧 | 500 | 个 |  |  | | | **24** | | 电阻 | 直插式金属膜电阻 1/4W 1% 四色环 1兆欧 1M | 500 | 个 |  |  | | | **25** | | 电阻 | 直插式金属膜电阻 1/4W 1% 四色环 120欧 | 500 | 个 |  |  | | | **26** | | 电阻 | 直插式金属膜电阻 1/4W 1% 四色环 3千欧 3K | 500 | 个 |  |  | | | **27** | | 电阻 | 直插式金属膜电阻 1/4W 1% 五色环 10K | 500 | 个 |  |  | | | **28** | | 电阻 | 直插式金属膜电阻 1/4W 1% 五色环 2.2千欧 | 500 | 个 |  |  | | | **29** | | 电阻 | 直插式金属膜电阻 1/4W 1% 五色环 1兆欧 1M | 500 | 个 |  |  | | | **30** | | 电阻 | 直插式金属膜电阻 1/4W 1% 五色环 120欧 | 500 | 个 |  |  | | | **31** | | 电阻 | 直插式金属膜电阻 1/4W 1% 五色环 3千欧 3K | 500 | 个 |  |  | | | **32** | | 电位器 | 卧式102（1000）兰白可调 蓝白可调电阻 | 500 | 个 |  |  | | | **33** | | 电位器 | 卧式103（10K）兰白可调 蓝白可调电阻 | 500 | 个 |  |  | | | **34** | | 电位器 | 卧式104（100K）兰白可调 蓝白可调电阻 | 500 | 个 |  |  | | | **35** | | 贴片电阻 | 贴片电阻0805 1% 0805贴片电阻 1k | 500 | 个 |  |  | | | **36** | | 空心线圈电感 | 空心线圈电感 3.5\*4.5T | 500 | 个 |  |  | | | **37** | | 工字磁芯电感 | 工字磁芯电感 6MM\*8MM 10MH电感 | 500 | 个 |  |  | | | **38** | | 色环电感 | 0410直插色环电感 1/2W 0.5W 1.8MH 色码电感 10% | 500 | 个 |  |  | | | **39** | | 贴片电感 | 7\*7\*4MM 220UH 屏蔽电感/贴片功率电感 | 500 | 个 |  |  | | | **40** | | 绕线电感 | 5026 33UH 磁环 3A 立式环形绕线电感 环形电感 | 500 | 个 |  |  | | | **41** | | 发光二极管 | 5MM 黄发黄 高亮 发光管 LED 发光二极管 黄色发光管 黄色LED | 500 | 个 |  |  | | | **42** | | 万能板 | 6\*8CM单面喷锡 1.6厚2.54间距万能板 万用电路板 | 800 | 块 |  |  | | | **43** | | 焊锡 | 线径0.8MM 700克/卷 优质焊锡线 焊锡丝 纯度：63％ | 2 | 个 |  |  | | | **44** | | 电工胶布 | 胶布 电工 胶带 电工胶带绝缘胶带 PVC绝缘胶布 | 10 | 个 |  |  | | | **45** | | 插线端子（公头） | JST-2P红壳LED灯饰公母对插线空中对接线接插线端子线连接线10CM | 500 | 条 |  |  | | | **46** | | 插线端子（母头） | JST-2P红壳LED灯饰公母对插线空中对接线接插线端子线连接线10CM | 500 | 条 |  |  | | | **47** | | 医用白胶布 | 医用胶布透气橡皮膏白胶布纯棉布型贴裂手敷贴过敏防压敏贴布胶带 | 10 | 个 |  |  | | | 合计 | | | | | | | | | | | | **表45**、 | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 插排 | 3个USB口，公牛插座，1.8m | 10 | 个 |  |  | | 综合实训 | | | **2** | | 无驱动wifi接收器 | TL-WN726N | 10 | 个 |  |  | | | **3** | | hdmi转vga线 | 带音频孔，5m，公对公 | 3 | 个 |  |  | | | **4** | | USB转HDMI转换器 |  | 3 | 个 |  |  | | | **5** | | 小米无线投屏器 |  | 4 | 个 |  |  | | | 合计 | | | | | | | | | | | | **表46、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 一次性刀子 | 黑色刀子100支/包 | 4 | 包 |  |  | | 西餐礼仪 | | | **2** | | 一次性叉子 | 黑色叉子100支/包 | 4 | 包 |  |  | | | **3** | | 一次性勺子 | 黑色勺子100支/包 | 4 | 包 |  |  | | | **4** | | 一次性盘子 | 10个/包 | 30 | 包 |  |  | | | 合计 | | | | | | | | | | | | **表47**、 | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 迷你小功放音箱 | 蓝牙音箱套件 MP3电子制作DIY组装散件 功放音箱散件带声控灯遥控 | 10 | 套 |  |  | | 学生竞赛训练 | | | **2** | | 无线蓝牙音箱大功率 | 无线蓝牙音箱户外大音量手提便携式扩音器 ，配套无线原装话筒、音频线、充电线 | 5 | 套 |  |  | | | **3** | | 电源适配器 | USB5V2A适配器无线、USB充电头 | 5 | 个 |  |  | |  | | | **4** | | 电池 | 5号 | 100 | 个 |  |  | |  | | | 合计 | | | | | | | | | | | | **表48、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | UNO R3开发板基于ESP8266 ESP-12F模块 | 适用arduino，模块+数据线 | 20 | 个 |  |  | | 显示系统项目 | | | **2** | | 8位数码管显示模块 | 8位数码管显示模块MAX7219 LED显示 支持级联八位串行3个IO口控制 | 20 | 条 |  |  | | | **3** | | 面包板线 | 面包板线，插线/跳线一扎65根 | 20 | 条 |  |  | | | **4** | | 面包板 | 400孔，8.5\*5.5cm | 20 | 块 |  |  | | | **5** | | AI视觉模块 | 标准版 | 2 | 块 |  |  | | AI视觉小车 | | | **6** | | 发光超声波传感器 | 标准版 | 2 | 块 |  |  | | | **7** | | 4路巡线传感器 | 标准版 | 2 | 块 |  |  | | | **8** | | 万向轮 | 标准版 | 2 | 块 |  |  | | | **9** | | CoreX控制器 | 标准版 | 2 | 块 |  |  | | | **10** | | 18650锂电池 | 标准版 | 2 | 块 |  |  | | | **11** | | 编码测速电机 | 标准版 | 2 | 块 |  |  | | | **12** | | 硅胶车轮 | 标准版 | 2 | 块 |  |  | | | **13** | | GoGoPi扩展楹 | GoGoPi，树莓派4B/4G | 2 | 块 |  |  | | 人工智能OpenCV视觉识别小车 | | | **14** | | 高清晰度摄像头 | GoGoPi，树莓派4B/4G | 2 | 块 |  |  | | | **15** | | 金属支架 | GoGoPi，树莓派4B/4G | 2 | 块 |  |  | | | **16** | | 7.4V2200mAh锂电池 | GoGoPi，树莓派4B/4G | 2 | 块 |  |  | | | **17** | | 超声波传感 器 | GoGoPi，树莓派4B/4G | 2 | 块 |  |  | | | **18** | | 万向轮 | GoGoPi，树莓派4B/4G | 2 | 块 |  |  | | | **19** | | LFD-01防堵转舵机 | GoGoPi，树莓派4B/4G | 2 | 块 |  |  | | | **20** | | 树莓派4B | GoGoPi，树莓派4B/4G | 2 | 块 |  |  | | | **21** | | 车轮 | GoGoPi，树莓派4B/4G | 2 | 块 |  |  | | | 合计 | | | | | | | | | | | | **表49**、 | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 64位WS2812B 5051彩灯模块 | 正方形，边长66mm | 20 | 个 |  |  | | 基础训练 | | | **2** | | 面包板 | 400孔，8.5\*5.5cm | 20 | 个 |  |  | | | **3** | | 杜邦线 | 公对公，40P双头彩色排线连接线21cm | 10 | 条 |  |  | | | **4** | | 单通尼龙六角柱 | M3\*18+6 | 1 | 包 |  |  | | | **5** | | 单通尼龙六角柱 | M3\*5+6 | 1 | 包 |  |  | | | **6** | | 麦克风放大器模块 | MAX9814 | 20 | 个 |  |  | | 物联网训练 | | | **7** | | ESP32+LoRa物联网开发套件 | SX1276/LoRaWAN。带868-915MHz天线。长6cm宽2.3cm | 4 | 套 |  |  | | | **8** | | 功放模块 | Keyes 8002 | 20 | 个 |  |  | | | **9** | | 语音口令识别模块 | LD3320A人机对话/声音控制 | 10 | 个 |  |  | | | **10** | | 树莓派4B Raspberry Pi 4B | Raspberry Pi 4B（4G）带16G内存卡和读卡器 | 1 | 套 |  |  | | AI视觉训练 | | | **11** | | 麦克纳姆轮AI视觉模块 | 麦克纳姆轮全向轮、驱动板、功放板、高清摄像头、舵机云台、金属底座、电机\*4 | 1 | 套 |  |  | | | **12** | | 传感器模块 | 红外臂章模块、喇叭、电压表、锂电池、 | 1 | 套 |  |  | | | 合计 | | | | | | | | | | | | **表50、** | | | | | | | | | | | | **序号** | | **名称** | **规格型号及参数** | **数量** | **单位** | **单价（元）** | **总价（元）** | | **项目名称** | | | **1** | | 瓷片电容 | 47NF (473) 50V 瓷介电容 | 1000 | 个 |  |  | | 实训室维护 | | | **2** | | 瓷片电容 | 68NF (683)50V 磁片电容 瓷介电容 | 1000 | 个 |  |  | | | **3** | | 瓷片电容 | 0.1UF (104) 50V 瓷介电容 | 1000 | 个 |  |  | | | **4** | | 瓷片电容 | 0.01UF (103) 50V 瓷介电容 | 1000 | 个 |  |  | | | **5** | | 涤纶电容 | 2A104 | 800 | 个 |  |  | | | **6** | | 涤纶电容 | 2A392 | 800 | 个 |  |  | | | **7** | | 涤纶电容 | 2A154 | 800 | 个 |  |  | | | **8** | | 涤纶电容 | 2A563 | 800 | 个 |  |  | | | **9** | | 涤纶电容 | 2A333 | 800 | 个 |  |  | | | **10** | | 涤纶电容 | 2A822 | 800 | 个 |  |  | | | **11** | | 电解电容 | 50V/470UF | 800 | 个 |  |  | | | **12** | | 电解电容 | 1uF/50V | 800 | 个 |  |  | | | **13** | | 电解电容 | 2.2uF/50V | 800 | 个 |  |  | | | **14** | | 电解电容 | 4.7uF/50V | 800 | 个 |  |  | | | **15** | | 电解电容 | 10uF/50V | 800 | 个 |  |  | | | **16** | | 电解电容 | 2200uF/50V | 400 | 个 |  |  | | | **17** | | 贴片电容 | 贴片电解电容 35V220UF 体积8\*10 贴片电容 | 800 | 个 |  |  | | | **18** | | 电阻 | 直插式金属膜电阻 1/4W 1% 四色环 10K | 800 | 个 |  |  | | | **19** | | 电阻 | 直插式金属膜电阻 1/4W 1% 四色环 2.2千欧 | 800 | 个 |  |  | | | **20** | | 电阻 | 直插式金属膜电阻 1/4W 1% 四色环 1兆欧 1M | 800 | 个 |  |  | | | **21** | | 电阻 | 直插式金属膜电阻 1/4W 1% 四色环 120欧 | 800 | 个 |  |  | | | **22** | | 电阻 | 直插式金属膜电阻 1/4W 1% 四色环 3千欧 3K | 800 | 个 |  |  | | | **23** | | 电阻 | 直插式金属膜电阻 1/4W 1% 五色环 10K | 800 | 个 |  |  | | | **24** | | 电阻 | 直插式金属膜电阻 1/4W 1% 五色环 2.2千欧 | 800 | 个 |  |  | | | **25** | | 电阻 | 直插式金属膜电阻 1/4W 1% 五色环 1兆欧 1M | 800 | 个 |  |  | | | **26** | | 电阻 | 直插式金属膜电阻 1/4W 1% 五色环 120欧 | 800 | 个 |  |  | | | **27** | | 电阻 | 直插式金属膜电阻 1/4W 1% 五色环 3千欧 3K | 800 | 个 |  |  | | | **28** | | 电位器 | 卧式102（1000）兰白可调 蓝白可调电阻 | 800 | 个 |  |  | | | **29** | | 电位器 | 卧式103（10K）兰白可调 蓝白可调电阻 | 800 | 个 |  |  | | | **30** | | 电位器 | 卧式104（100K）兰白可调 蓝白可调电阻 | 800 | 个 |  |  | | | **31** | | 贴片电阻 | 贴片电阻0805 1% 0805贴片电阻 1k | 800 | 个 |  |  | | | **32** | | 空心线圈电感 | 空心线圈电感 3.5\*4.5T | 800 | 个 |  |  | | | **33** | | 工字磁芯电感 | 工字磁芯电感 6MM\*8MM 10MH电感 | 800 | 个 |  |  | | | **34** | | 色环电感 | 0410直插色环电感 1/2W 0.5W 1.8MH 色码电感 10% | 800 | 个 |  |  | | | **35** | | 贴片电感 | 7\*7\*4MM 220UH 屏蔽电感/贴片功率电感 | 800 | 个 |  |  | | | **36** | | 绕线电感 | 5026 33UH 磁环 3A 立式环形绕线电感 环形电感 | 800 | 个 |  |  | | | **37** | | 发光二极管 | 5MM 黄发黄 高亮 发光管 LED 发光二极管 黄色发光管 黄色LED | 800 | 个 |  |  | | | **38** | | 万能板 | 6\*8CM单面喷锡 1.6厚2.54间距万能板 万用电路板 | 1000 | 块 |  |  | | | **39** | | 焊锡 | 线径0.8MM 700克/卷 优质焊锡线 焊锡丝 纯度：63％ | 4 | 个 |  |  | | | **40** | | 电工胶布 | 胶布 电工 胶带 电工胶带绝缘胶带 PVC绝缘胶布 | 10 | 个 |  |  | | | **41** | | 插线端子（公头） | JST-2P红壳LED灯饰公母对插线空中对接线接插线端子线连接线10CM | 800 | 条 |  |  | | | **42** | | 插线端子（母头） | JST-2P红壳LED灯饰公母对插线空中对接线接插线端子线连接线10CM | 800 | 条 |  |  | | | **43** | | 医用白胶布 | 医用胶布透气橡皮膏白胶布纯棉布型贴裂手敷贴过敏防压敏贴布胶带 | 10 | 个 |  |  | | | 合计 | | | | | | | | | | | |  |  |  |  |  |  |  | |  | | |  |  |  |  |  |  |  | |  | |  |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  | |